



Exchange rate statistics December 2015

Statistical Supplement 5
to the Monthly Report

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The German-language version of the Statistical Supplement Exchange rate statistics is published quarterly in printed form. The Deutsche Bundesbank also publishes an updated monthly edition in German and in English on its website. In cases of doubt, the original German-language version is the sole authoritative text.

ISSN 2190-8990 (online edition)

Cut-off date: 11 December 2015.

The Statistical Supplement Exchange rate statistics is published by the Deutsche Bundesbank, Frankfurt am Main, by virtue of section 18 of the Bundesbank Act. It is available to interested parties free of charge.

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	Data unknown, not to be published or not meaningful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 communications 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 Danish krone DKK	Upper rate	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824
	Central rate	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038
	Lower rate	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252
Greece Greek drachma GRD	Upper rate	406.075	391.863	–	–	–	–	–
	Central rate	353.109	¹ 340.750	–	–	–	–	–
	Lower rate	300.143	289.638	–	–	–	–	–
Estonia Estonian kroon EEK	Upper rate	–	–	17.9936	17.9936	17.9936	17.9936	17.9936
	Central rate	–	–	15.6466	15.6466	15.6466	15.6466	² 15.6466
	Lower rate	–	–	13.2996	13.2996	13.2996	13.2996	13.2996
Lithuania Lithuanian litas LTL	Upper rate	–	–	3.97072	3.97072	3.97072	3.97072	3.97072
	Central rate	–	–	3.45280	3.45280	3.45280	3.45280	³ 3.45280
	Lower rate	–	–	2.93488	2.93488	2.93488	2.93488	2.93488
Slovenia Slovenian tolar SIT	Upper rate	–	–	275.586	275.586	275.586	–	–
	Central rate	–	–	239.640	239.640	⁴ 239.640	–	–
	Lower rate	–	–	203.694	203.694	203.694	–	–
Cyprus Cyprus pound CYP	Upper rate	–	–	–	0.673065	0.673065	0.673065	–
	Central rate	–	–	–	0.585274	0.585274	⁵ 0.585274	–
	Lower rate	–	–	–	0.497483	0.497483	0.497483	–
Latvia Latvian lats LVL	Upper rate	–	–	–	0.808225	0.808225	0.808225	0.808225
	Central rate	–	–	–	0.702804	0.702804	0.702804	⁶ 0.702804
	Lower rate	–	–	–	0.597383	0.597383	0.597383	0.597383
Malta Maltese lira MTL	Upper rate	–	–	–	0.493695	0.493695	0.493695	–
	Central rate	–	–	–	0.429300	0.429300	⁵ 0.429300	–
	Lower rate	–	–	–	0.364905	0.364905	0.364905	–
Slovakia Slovak koruna SKK	Upper rate	–	–	–	–	44.2233	40.7588	34.6449
	Central rate	–	–	–	–	38.4550	35.4424	⁷ 30.1260
	Lower rate	–	–	–	–	32.6868	30.1260	25.6071

Source: ECB. * One prerequisite before an EU member state can join the Eurosystem is that its currency must have observed the normal fluctuation margins of the Exchange Rate Mechanism II (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						
		Bulgaria	Croatia	Czech Republic	Denmark	Hungary	Poland	Romania
Period		Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON
2015 Sep	1	1.9558	7.5520	27.022	7.4634	314.50	4.2375	4.4407
	2	1.9558	7.5535	27.023	7.4632	313.95	4.2359	4.4403
	3	1.9558	7.5585	27.022	7.4615	314.20	4.2330	4.4305
	4	1.9558	7.5590	27.030	7.4604	313.55	4.2281	4.4308
	7	1.9558	7.5565	27.026	7.4614	314.03	4.2298	4.4343
	8	1.9558	7.5605	27.047	7.4615	314.22	4.2268	4.4263
	9	1.9558	7.5510	27.057	7.4611	313.17	4.2067	4.4174
	10	1.9558	7.5520	27.038	7.4611	314.51	4.2125	4.4228
	11	1.9558	7.5500	27.074	7.4608	314.74	4.2080	4.4189
	14	1.9558	7.5470	27.116	7.4604	313.33	4.2097	4.4175
	15	1.9558	7.5623	27.088	7.4609	312.48	4.2011	4.4207
	16	1.9558	7.5740	27.065	7.4610	311.82	4.1970	4.4265
	17	1.9558	7.6075	27.112	7.4619	310.99	4.2036	4.4253
	18	1.9558	7.6305	27.071	7.4612	309.81	4.2030	4.4187
	21	1.9558	7.6363	27.053	7.4608	310.12	4.1866	4.4210
	22	1.9558	7.6235	27.057	7.4602	310.55	4.1970	4.4225
	23	1.9558	7.5833	27.090	7.4599	310.91	4.2036	4.4183
	24	1.9558	7.6250	27.162	7.4612	314.21	4.2300	4.4178
	25	1.9558	7.6405	27.193	7.4597	315.46	4.2218	4.4111
	28	1.9558	7.6360	27.220	7.4597	315.43	4.2343	4.4173
	29	1.9558	7.6535	27.208	7.4607	313.75	4.2356	4.4223
	30	1.9558	7.6445	27.187	7.4598	313.45	4.2448	4.4176
Oct	1	1.9558	7.6400	27.173	7.4605	312.80	4.2459	4.4159
	2	1.9558	7.6390	27.163	7.4598	312.97	4.2452	4.4138
	5	1.9558	7.6263	27.122	7.4605	311.90	4.2449	4.4168
	6	1.9558	7.6135	27.109	7.4612	313.58	4.2487	4.4186
	7	1.9558	7.6095	27.099	7.4615	312.17	4.2300	4.4174
	8	1.9558	7.6135	27.117	7.4611	312.17	4.2321	4.4162
	9	1.9558	7.6290	27.109	7.4599	311.59	4.2170	4.4150
	12	1.9558	7.6265	27.108	7.4604	310.86	4.2246	4.4130
	13	1.9558	7.6165	27.131	7.4608	311.53	4.2391	4.4163
	14	1.9558	7.6280	27.113	7.4612	311.04	4.2378	4.4145
	15	1.9558	7.6200	27.084	7.4612	309.39	4.2291	4.4176
	16	1.9558	7.6285	27.081	7.4597	309.68	4.2383	4.4167
	19	1.9558	7.6265	27.083	7.4592	309.51	4.2367	4.4183
	20	1.9558	7.6267	27.080	7.4597	310.33	4.2466	4.4252
	21	1.9558	7.6165	27.079	7.4596	311.25	4.2757	4.4315
	22	1.9558	7.6210	27.069	7.4596	311.12	4.2849	4.4300
	23	1.9558	7.6243	27.074	7.4597	309.95	4.2529	4.4269
	26	1.9558	7.6265	27.088	7.4603	310.17	4.2678	4.4367
	27	1.9558	7.6225	27.098	7.4600	312.85	4.2919	4.4370
	28	1.9558	7.6125	27.134	7.4599	311.78	4.2936	4.4330
	29	1.9558	7.6050	27.113	7.4576	311.45	4.2699	4.4343
	30	1.9558	7.5860	27.090	7.4578	309.90	4.2644	4.4350
Nov	2	1.9558	7.5855	27.097	7.4585	312.19	4.2532	4.4383
	3	1.9558	7.5860	27.100	7.4587	313.48	4.2540	4.4345
	4	1.9558	7.5785	27.074	7.4594	314.91	4.2377	4.4484
	5	1.9558	7.5545	27.044	7.4592	313.97	4.2392	4.4486
	6	1.9558	7.5575	27.026	7.4600	314.02	4.2544	4.4545
	9	1.9558	7.5658	27.042	7.4600	314.44	4.2630	4.4622
	10	1.9558	7.6000	27.044	7.4601	312.69	4.2432	4.4520
	11	1.9558	7.6205	27.022	7.4604	311.70	4.2215	4.4366
	12	1.9558	7.6170	27.031	7.4602	312.25	4.2270	4.4430
	13	1.9558	7.6155	27.032	7.4606	312.23	4.2429	4.4452
	16	1.9558	7.6075	27.031	7.4610	311.90	4.2408	4.4387
	17	1.9558	7.6065	27.031	7.4613	311.64	4.2475	4.4375
	18	1.9558	7.6215	27.029	7.4608	310.94	4.2540	4.4467
	19	1.9558	7.6310	27.025	7.4603	310.26	4.2500	4.4438
	20	1.9558	7.6278	27.031	7.4602	309.96	4.2411	4.4438
	23	1.9558	7.6280	27.025	7.4606	311.13	4.2403	4.4490
	24	1.9558	7.6335	27.033	7.4605	311.89	4.2607	4.4467
	25	1.9558	7.6335	27.025	7.4606	312.11	4.2603	4.4414
	26	1.9558	7.6295	27.032	7.4602	312.27	4.2724	4.4424
	27	1.9558	7.6230	27.024	7.4605	312.08	4.2631	4.4467
	30	1.9558	7.6330	27.030	7.4604	311.58	4.2721	4.4503
Dec	1	1.9558	7.6365	27.023	7.4602	310.50	4.2679	4.4588
	2	1.9558	7.6410	27.024	7.4592	311.23	4.2728	4.4573
	3	1.9558	7.6358	27.036	7.4584	310.93	4.2859	4.4585
	4	1.9558	7.6360	27.035	7.4603	313.10	4.3131	4.4711
	7	1.9558	7.6380	27.022	7.4607	311.85	4.3133	4.4803
	8	1.9558	7.6368	27.022	7.4607	314.53	4.3357	4.4854
	9	1.9558	7.6300	27.021	7.4609	314.70	4.3404	4.4954
	10	1.9558	7.6290	27.021	7.4609	316.61	4.3389	4.5030
	11	1.9558	7.6390	27.023	7.4609	316.66	4.3456	4.5248

* See Explanatory notes, p 59.

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

		Other European and non-European countries							
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	Period	
9.4954	0.73280	1.5956	4.1066	1.4856	7.1514	8.7079	74.5056	2015 Sep 1	
9.4968	0.73690	1.6061	4.1992	1.4919	7.1537	8.7226	74.5011	2	
9.3907	0.73450	1.6035	4.2672	1.4893	7.1370	8.7026	74.3837	3	
9.4147	0.73150	1.5948	4.2066	1.4736	7.0792	8.6321	74.0625	4	
9.4197	0.73035	1.6062	4.2798	1.4802	7.0954	8.6382	74.5187	7	
9.4188	0.72440	1.5976	4.2346	1.4757	7.1075	8.6514	74.2300	8	
9.4024	0.72510	1.5860	4.2340	1.4757	7.1047	8.6334	73.9755	9	
9.4001	0.72655	1.5831	4.3489	1.4822	7.1329	8.6685	74.3061	10	
9.3709	0.73060	1.5955	4.3272	1.4945	7.1832	8.7327	74.8967	11	
9.3350	0.73340	1.5874	4.3678	1.4983	7.2008	8.7615	75.0220	14	
9.3277	0.73460	1.5885	4.3486	1.4984	7.2107	8.7731	75.1238	15	
9.3251	0.72665	1.5677	4.3134	1.4877	7.1531	8.7021	74.6213	16	
9.3317	0.72865	1.5776	4.3696	1.4925	7.2016	8.7670	74.9420	17	
9.3248	0.72980	1.5709	4.4370	1.4876	7.2674	8.8498	74.9929	18	
9.3300	0.72430	1.5693	4.4529	1.4831	7.1643	8.7188	73.9297	21	
9.3412	0.72230	1.5732	4.4809	1.4804	7.1129	8.6451	73.5068	22	
9.3798	0.72970	1.5813	4.4794	1.4790	7.1165	8.6414	73.5690	23	
9.4292	0.73870	1.6147	4.7304	1.5039	7.1743	8.7119	74.4594	24	
9.3917	0.73475	1.5895	4.3383	1.4845	7.1082	8.6420	73.7709	25	
9.4527	0.73520	1.5967	4.4787	1.4921	7.1099	8.6569	73.8391	28	
9.4462	0.73910	1.6009	4.5834	1.5000	7.1316	8.6831	73.9411	29	
9.4083	0.73850	1.5939	4.4808	1.5034	7.1206	8.6824	73.4805	30	
9.3754	0.73670	1.5777	4.4023	1.4799	7.0901	8.6436	73.0661	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	

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)							
		Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway
Period		Indonesian rupiah IDR	New Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK
2015 Sep	1	15,856.11	4.4135	134.87	1,321.48	4.7000	18.9495	1.7749	9.3560
	2	15,920.10	4.4248	135.21	1,332.76	4.7391	19.0198	1.7766	9.3015
	3	15,951.04	4.4354	134.98	1,338.03	4.7613	18.9809	1.7679	9.2730
	4	15,787.71	4.3595	132.82	1,323.93	4.7325	18.7826	1.7478	9.2165
	7	15,948.73	4.3855	133.09	1,339.65	4.8327	18.8887	1.7801	9.2645
	8	15,934.91	4.3763	133.82	1,334.07	4.8435	18.8117	1.7747	9.2245
	9	15,869.33	4.3240	134.65	1,325.47	4.8043	18.6895	1.7461	9.2000
	10	15,992.53	4.3675	135.38	1,327.10	4.8238	18.9163	1.7775	9.1760
	11	16,114.26	4.3532	136.02	1,333.25	4.8642	18.8722	1.7914	9.2710
	14	16,212.39	4.3950	136.04	1,335.76	4.8666	18.9743	1.7905	9.2570
	15	16,325.95	4.3831	135.44	1,335.54	4.8587	18.9457	1.7877	9.2565
	16	16,204.00	4.3565	135.45	1,319.08	4.7531	18.6879	1.7701	9.2385
	17	16,379.05	4.3896	136.76	1,315.48	4.7771	18.7496	1.7821	9.2165
	18	16,399.84	4.4277	136.31	1,329.00	4.8053	18.7957	1.7703	9.2370
	21	16,280.28	4.4085	135.50	1,325.46	4.7931	18.6722	1.7696	9.2205
	22	16,257.25	4.3864	133.75	1,322.15	4.8017	18.7248	1.7715	9.2145
	23	16,297.40	4.4060	134.03	1,328.24	4.8471	18.7989	1.7712	9.2370
	24	16,584.10	4.4376	134.48	1,344.25	4.8862	19.4059	1.7857	9.4630
	25	16,341.76	4.3807	134.92	1,326.92	4.8912	18.6723	1.7578	9.5130
	28	16,419.85	4.4024	134.13	1,334.11	4.9410	19.0756	1.7585	9.5820
	29	16,442.26	4.4048	134.38	1,338.63	4.9835	19.0160	1.7616	9.5220
	30	16,347.81	4.4001	134.69	1,328.27	4.9237	18.9768	1.7568	9.5245
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	9.2765
	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	4.5637	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

* 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 rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD	
52.515	72.9868	1.5869	15.0403	1.0825	40.165	3.2845	1.1236	2015 Sep 1
52.647	75.8536	1.5938	15.1480	1.0867	40.250	3.3126	1.1255	2
52.579	75.5386	1.5901	15.2883	1.0903	40.295	3.3350	1.1229	3
52.076	75.1586	1.5800	15.1744	1.0839	39.919	3.3167	1.1138	4
52.366	76.1067	1.5901	15.5102	1.0871	40.253	3.3717	1.1146	7
52.335	76.0808	1.5847	15.4210	1.0920	40.285	3.3633	1.1162	8
52.258	75.7811	1.5782	15.2276	1.0893	40.193	3.3633	1.1139	9
52.388	76.3445	1.5837	15.4986	1.0923	40.387	3.4067	1.1185	10
52.755	76.6060	1.5948	15.2887	1.1031	40.734	3.4302	1.1268	11
52.889	76.4851	1.5919	15.3545	1.0979	40.743	3.4695	1.1305	14
52.887	75.4818	1.5849	15.2568	1.0971	40.695	3.4298	1.1320	15
52.356	73.8232	1.5726	15.0000	1.0943	40.387	3.3706	1.1228	16
52.548	74.5206	1.5818	15.1419	1.0950	40.437	3.4138	1.1312	17
52.878	75.1599	1.5886	15.0962	1.0913	40.596	3.4253	1.1419	18
52.274	74.1125	1.5843	15.0071	1.0906	40.269	3.3612	1.1250	21
52.041	73.9790	1.5817	15.2542	1.0860	40.164	3.3881	1.1155	22
52.174	73.6019	1.5850	15.2287	1.0882	40.286	3.3730	1.1150	23
52.840	74.7945	1.6054	15.7352	1.0928	40.850	3.4370	1.1241	24
52.126	73.2000	1.5860	15.3184	1.0922	40.322	3.3767	1.1151	25
52.271	73.3737	1.5960	15.6728	1.0941	40.603	3.4137	1.1170	28
52.480	73.4567	1.6004	15.5812	1.0901	40.832	3.4030	1.1204	29
52.347	73.2416	1.5921	15.4984	1.0915	40.712	3.3903	1.1203	30
52.147	73.0745	1.5916	15.4495	1.0903	40.630	3.3796	1.1153	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	15.2890	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

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

2 Monthly averages +

EUR 1 = CU ...

Period	EU member countries									Other European
	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 zloty PLN	Romanian leu RON	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD
2010 Nov	1.9558	7.3830	24.633	7.4547	275.51	3.9520	4.2940	9.3166	0.85510	1.3813
2010 Dec	1.9558	7.3913	25.174	7.4528	277.62	3.9962	4.2929	9.0559	0.84813	1.3304
2011 Jan	1.9558	7.4008	24.449	7.4518	275.33	3.8896	4.2624	8.9122	0.84712	1.3417
2011 Feb	1.9558	7.4149	24.277	7.4555	271.15	3.9264	4.2457	8.7882	0.84635	1.3543
2011 Mar	1.9558	7.3915	24.393	7.4574	270.89	4.0145	4.1621	8.8864	0.86653	1.3854
2011 Apr	1.9558	7.3639	24.301	7.4574	265.29	3.9694	4.1004	8.9702	0.88291	1.3662
2011 May	1.9558	7.4052	24.381	7.4566	266.96	3.9404	4.1142	8.9571	0.87788	1.3437
2011 June	1.9558	7.4065	24.286	7.4579	266.87	3.9702	4.1937	9.1125	0.88745	1.3567
2011 July	1.9558	7.4316	24.335	7.4560	267.68	3.9951	4.2413	9.1340	0.88476	1.3249
2011 Aug	1.9558	7.4620	24.273	7.4498	272.37	4.1195	4.2505	9.1655	0.87668	1.3651
2011 Sep	1.9558	7.4936	24.556	7.4462	285.05	4.3379	4.2838	9.1343	0.87172	1.3458
2011 Oct	1.9558	7.4849	24.841	7.4442	296.79	4.3516	4.3244	9.1138	0.87036	1.3525
2011 Nov	1.9558	7.4923	25.464	7.4412	309.15	4.4324	4.3560	9.1387	0.85740	1.3414
2011 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
2012 Feb	1.9558	7.5815	25.042	7.4341	290.68	4.1835	4.3513	8.8196	0.83696	1.2327
2012 Mar	1.9558	7.5358	24.676	7.4354	292.26	4.1370	4.3668	8.8873	0.83448	1.2538
2012 Apr	1.9558	7.4991	24.809	7.4393	294.81	4.1782	4.3789	8.8650	0.82188	1.2718
2012 May	1.9558	7.5383	25.313	7.4335	293.67	4.2937	4.4412	8.9924	0.80371	1.2825
2012 June	1.9558	7.5434	25.640	7.4325	293.57	4.2973	4.4626	8.8743	0.80579	1.2550
2012 July	1.9558	7.5006	25.447	7.4384	286.28	4.1837	4.5549	8.5451	0.78827	1.1931
2012 Aug	1.9558	7.4853	25.021	7.4454	278.93	4.0934	4.5176	8.2805	0.78884	1.1841
2012 Sep	1.9558	7.4291	24.752	7.4539	284.22	4.1345	4.5022	8.4929	0.79821	1.2372
2012 Oct	1.9558	7.5140	24.939	7.4582	282.09	4.1071	4.5624	8.6145	0.80665	1.2596
2012 Nov	1.9558	7.5410	25.365	7.4587	282.26	4.1321	4.5273	8.6076	0.80389	1.2331
2012 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
2013 Feb	1.9558	7.5868	25.475	7.4598	292.73	4.1700	4.3839	8.5083	0.86250	1.2951
2013 Mar	1.9558	7.5909	25.659	7.4553	303.01	4.1565	4.3923	8.3470	0.85996	1.2537
2013 Apr	1.9558	7.6076	25.841	7.4553	298.67	4.1359	4.3780	8.4449	0.85076	1.2539
2013 May	1.9558	7.5684	25.888	7.4536	292.38	4.1799	4.3360	8.5725	0.84914	1.3133
2013 June	1.9558	7.4901	25.759	7.4576	295.70	4.2839	4.4803	8.6836	0.85191	1.3978
2013 July	1.9558	7.5061	25.944	7.4579	294.90	4.2745	4.4244	8.6609	0.86192	1.4279
2013 Aug	1.9558	7.5372	25.818	7.4580	299.46	4.2299	4.4371	8.7034	0.85904	1.4742
2013 Sep	1.9558	7.5985	25.789	7.4579	299.75	4.2371	4.4633	8.6758	0.84171	1.4379
2013 Oct	1.9558	7.6193	25.662	7.4592	294.76	4.1902	4.4444	8.7479	0.84720	1.4328
2013 Nov	1.9558	7.6326	26.927	7.4587	297.68	4.1887	4.4452	8.8802	0.83780	1.4473
2013 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
2014 Feb	1.9558	7.6574	27.444	7.4622	310.20	4.1741	4.4918	8.8721	0.82510	1.5222
2014 Mar	1.9558	7.6576	27.395	7.4638	311.49	4.1987	4.4933	8.8666	0.83170	1.5217
2014 Apr	1.9558	7.6267	27.450	7.4656	307.37	4.1853	4.4620	9.0329	0.82520	1.4831
2014 May	1.9558	7.5952	27.437	7.4641	304.58	4.1800	4.4237	9.0298	0.81535	1.4755
2014 June	1.9558	7.5770	27.450	7.4588	305.87	4.1352	4.3930	9.0914	0.80409	1.4517
2014 July	1.9558	7.6146	27.458	7.4564	309.81	4.1444	4.4098	9.2327	0.79310	1.4420
2014 Aug	1.9558	7.6326	27.816	7.4551	313.91	4.1919	4.4252	9.1878	0.79730	1.4306
2014 Sep	1.9558	7.6236	27.599	7.4449	313.20	4.1899	4.4095	9.1929	0.79113	1.4246
2014 Oct	1.9558	7.6573	27.588	7.4448	307.85	4.2066	4.4153	9.1797	0.78861	1.4436
2014 Nov	1.9558	7.6700	27.667	7.4415	306.89	4.2121	4.4288	9.2384	0.79054	1.4432
2014 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
2015 Feb	1.9558	7.7114	27.608	7.4501	306.88	4.1760	4.4334	9.4901	0.74051	1.4568
2015 Mar	1.9558	7.6467	27.379	7.4593	303.45	4.1259	4.4339	9.2449	0.72358	1.4008
2015 Apr	1.9558	7.5896	27.439	7.4655	299.43	4.0180	4.4155	9.3254	0.72116	1.3939
2015 May	1.9558	7.5591	27.397	7.4612	306.33	4.0811	4.4477	9.3037	0.72124	1.4123
2015 June	1.9558	7.5719	27.307	7.4603	311.96	4.1586	4.4671	9.2722	0.72078	1.4530
2015 July	1.9558	7.5863	27.094	7.4616	311.53	4.1524	4.4391	9.3860	0.70685	1.4844
2015 Aug	1.9558	7.5578	27.041	7.4627	311.61	4.1953	4.4235	9.5155	0.71423	1.5269
2015 Sep	1.9558	7.5890	27.089	7.4610	313.14	4.2176	4.4236	9.3924	0.73129	1.5900
2015 Oct	1.9558	7.6208	27.105	7.4601	311.27	4.2508	4.4227	9.3485	0.73287	1.5586
2015 Nov	1.9558	7.6074	27.039	7.4602	312.27	4.2494	4.4453	9.3133	0.70658	1.5011

* See Explanatory notes, p 59. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Up to December 2010, ECB indicative rates.

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		
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Indian rupee INR	Indonesian rupiah IDR	New Israeli sheqel ILS 1	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Period	
2.3391	1.3831	9.0895	10.5941	61.4539	12,224.00	4.9770	112.69	1,544.16	4.2588	2010 Nov	
2.2387	1.3327	8.7873	10.2776	59.6472	11,925.21	4.7618	110.11	1,513.74	4.1313	Dec	
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	
3.3941	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	

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

2 Monthly averages + (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)											
Period	Mexico	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD
2010 Nov	16.8386	1.7703	8.1463	59.485	42.3360	1.7739	9.5320	1.3442	40.826	1.9717	1.3661
2010 Dec	16.3797	1.7587	7.9020	58.050	40.7385	1.7262	9.0143	1.2811	39.805	2.0159	1.3220
2011 Jan	16.1926	1.7435	7.8199	59.089	40.2557	1.7193	9.2652	1.2779	40.827	2.0919	1.3360
2011 Feb	16.4727	1.7925	7.8206	59.558	39.9469	1.7421	9.8126	1.2974	41.918	2.1702	1.3649
2011 Mar	16.8063	1.8877	7.8295	60.870	39.8061	1.7757	9.6862	1.2867	42.506	2.2108	1.3999
2011 Apr	16.9211	1.8331	7.8065	62.361	40.5363	1.8024	9.7200	1.2977	43.434	2.1975	1.4442
2011 May	16.7177	1.8024	7.8384	61.953	40.0573	1.7763	9.8461	1.2537	43.398	2.2603	1.4349
2011 June	16.9931	1.7666	7.8302	62.468	40.2670	1.7763	9.7807	1.2092	43.923	2.3077	1.4388
2011 July	16.6491	1.6877	7.7829	60.961	39.8343	1.7359	9.7000	1.1766	42.949	2.3654	1.4264
2011 Aug	17.5456	1.7108	7.7882	60.836	41.2954	1.7340	10.1532	1.1203	42.875	2.5147	1.4343
2011 Sep	17.9370	1.6932	7.7243	59.322	42.3239	1.7229	10.3956	1.2005	41.902	2.4736	1.3770
2011 Oct	18.4315	1.7361	7.7474	59.412	42.8569	1.7493	10.9188	1.2295	42.297	2.5089	1.3706
2011 Nov	18.5646	1.7584	7.7868	58.743	41.8082	1.7476	11.0547	1.2307	41.969	2.4565	1.3556
2011 Dec	18.1174	1.7102	7.7451	57.537	41.5686	1.7070	10.7829	1.2276	41.099	2.4632	1.3179
2012 Jan	17.3140	1.6132	7.6752	56.208	40.4394	1.6510	10.3405	1.2108	40.718	2.3759	1.2905
2012 Feb	16.9159	1.5845	7.5522	56.419	39.4232	1.6585	10.1289	1.2071	40.614	2.3264	1.3224
2012 Mar	16.8239	1.6104	7.5315	56.634	38.7804	1.6624	10.0475	1.2061	40.557	2.3631	1.3201
2012 Apr	17.1900	1.6095	7.5698	56.145	38.8087	1.6459	10.3060	1.2023	40.639	2.3520	1.3162
2012 May	17.4237	1.6538	7.5655	54.908	39.5585	1.6152	10.4412	1.2012	40.077	2.3149	1.2789
2012 June	17.4529	1.6062	7.5401	53.510	41.1766	1.6016	10.5050	1.2011	39.640	2.2837	1.2526
2012 July	16.4263	1.5390	7.4579	51.452	39.9467	1.5494	10.1379	1.2011	38.873	2.2281	1.2288
2012 Aug	16.3600	1.5306	7.3239	52.173	39.6334	1.5480	10.2585	1.2011	38.974	2.2291	1.2400
2012 Sep	16.6413	1.5721	7.3945	53.629	40.4006	1.5837	10.6512	1.2089	39.842	2.3177	1.2856
2012 Oct	16.7207	1.5817	7.4076	53.691	40.3558	1.5879	11.2215	1.2098	39.811	2.3384	1.2974
2012 Nov	16.7689	1.5660	7.3371	52.716	40.2505	1.5695	11.2986	1.2052	39.391	2.3010	1.2828
2012 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
2013 Feb	16.9872	1.5929	7.4232	54.355	40.3342	1.6546	11.8796	1.2298	39.839	2.3738	1.3359
2013 Mar	16.2322	1.5657	7.4863	52.813	39.9332	1.6164	11.9169	1.2266	38.264	2.3453	1.2964
2013 Apr	15.8895	1.5348	7.5444	53.649	40.7995	1.6120	11.8592	1.2199	37.857	2.3406	1.3026
2013 May	15.9776	1.5774	7.5589	53.693	40.6842	1.6219	12.1798	1.2418	38.667	2.3739	1.2982
2013 June	17.0716	1.6682	7.7394	56.658	42.6490	1.6613	13.2088	1.2322	40.664	2.5028	1.3189
2013 July	16.6893	1.6590	7.8837	56.698	42.8590	1.6595	12.9674	1.2366	40.714	2.5274	1.3080
2013 Aug	17.1996	1.6829	7.9386	58.471	43.9748	1.6941	13.4190	1.2338	42.072	2.6125	1.3310
2013 Sep	17.4471	1.6406	7.9725	58.346	43.5144	1.6860	13.3287	1.2338	42.312	2.6952	1.3348
2013 Oct	17.7413	1.6351	8.1208	58.809	43.7440	1.6956	13.5283	1.2316	42.549	2.7095	1.3635
2013 Nov	17.6340	1.6327	8.2055	58.811	44.1581	1.6833	13.7626	1.2316	42.695	2.7316	1.3493
2013 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
2014 Feb	18.1561	1.6466	8.3562	61.238	48.2554	1.7295	14.9820	1.2212	44.568	3.0184	1.3659
2014 Mar	18.2447	1.6199	8.2906	61.901	49.9477	1.7513	14.8613	1.2177	44.765	3.0629	1.3823
2014 Apr	18.0485	1.6049	8.2506	61.646	49.2978	1.7345	14.5815	1.2189	44.657	2.9393	1.3813
2014 May	17.7620	1.5957	8.1513	60.258	47.8403	1.7189	14.2995	1.2204	44.686	2.8736	1.3732
2014 June	17.6516	1.5769	8.2149	59.543	46.7509	1.7008	14.5094	1.2181	44.195	2.8808	1.3592
2014 July	17.5834	1.5578	8.3880	58.844	46.9984	1.6825	14.4366	1.2150	43.470	2.8699	1.3539
2014 Aug	17.5051	1.5783	8.2522	58.320	48.1781	1.6622	14.2052	1.2118	42.644	2.8784	1.3316
2014 Sep	17.0717	1.5841	8.1798	57.033	49.0519	1.6295	14.1578	1.2076	41.536	2.8543	1.2901
2014 Oct	17.0713	1.6090	8.3136	56.807	51.9380	1.6154	14.0266	1.2078	41.139	2.8577	1.2673
2014 Nov	16.9850	1.5928	8.4912	56.101	57.5193	1.6173	13.8359	1.2027	40.908	2.7885	1.2472
2014 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	1.0940	38.056	2.7153	1.1621
2015 Feb	16.9310	1.5236	8.6188	50.174	73.0742	1.5382	13.1532	1.0618	36.963	2.7958	1.1350
2015 Mar	16.4941	1.4506	8.6434	48.227	65.1401	1.4913	13.0756	1.0608	35.355	2.8077	1.0838
2015 Apr	16.4288	1.4217	8.5057	47.863	56.7415	1.4539	12.9588	1.0379	35.072	2.8743	1.0779
2015 May	17.0378	1.5112	8.4103	49.741	56.3735	1.4882	13.3506	1.0391	37.408	2.9491	1.1150
2015 June	17.3467	1.6046	8.7550	50.508	61.2390	1.5091	13.7965	1.0455	37.818	3.0299	1.1213
2015 July	17.5297	1.6542	8.9357	49.814	63.2077	1.4972	13.6973	1.0492	37.760	2.9705	1.0996
2015 Aug	18.4333	1.7001	9.1815	51.536	73.3597	1.5573	14.3821	1.0777	39.465	3.1826	1.1139
2015 Sep	18.8821	1.7714	9.3075	52.456	74.8040	1.5879	15.3065	1.0913	40.426	3.3835	1.1221
2015 Oct	18.6216	1.6794	9.2892	52.070	70.9490	1.5731	15.1579	1.0882	40.092	3.2887	1.1235
2015 Nov	17.8605	1.6365	9.2572	50.537	69.7899	1.5181	15.1743	1.0833	38.432	3.0849	1.0736

* 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									
	Bulgaria Bulgarian lev BGN 1	Croatia Kuna HRK 2	Cyprus Cyprus pound CYP 3	Czech Republic Czech koruna CZK	Denmark Danish krone DKK	Estonia Estonian kroon EEK 3	Greece Greek drachma GRD 3	Hungary Hungarian forint HUF	Latvia Latvian lats LVL 1,3	Lithuania Lithuanian litas LTL 1,3
	End of year									
1999	-	-	0.57667	36.103	7.4433	15.6466	330.30	254.70	0.5881	4.0169
2000	1.9543	7.5800	0.57369	35.047	7.4631	15.6466	340.75	265.00	0.5764	3.7229
2001	1.9463	7.3490	0.57504	31.962	7.4365	15.6466	-	245.18	0.5563	3.5228
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
	Annual averages +									
1999	-	-	0.57884	36.884	7.4355	15.6466	325.76	252.77	0.6256	4.2641
2000	4 1.9477	5 7.6410	0.57392	35.599	7.4538	15.6466	336.63	260.04	0.5592	3.6952
2001	1.9482	7.4820	0.57589	34.068	7.4521	15.6466	-	256.59	0.5601	3.5823
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
	EU member countries (cont'd)							Other European and non-European countries		
	Malta Maltese lira MTL 1,3	Poland Polish zloty PLN	Romania Romanian leu (old)/(new) ROL/RON 1,6	Slovakia Slovak koruna SKK 1,3	Slovenia Slovenian tolar SIT 3	Sweden Swedish krona SEK	United Kingdom Pound sterling GBP	Australia Australian dollar AUD	Brazil Brazilian real BRL 7	Canada Canadian dollar CAD
	End of year									
1999	0.4151	4.1587	18,345	42.402	198.9055	8.5625	0.62170	1.5422	-	1.4608
2000	0.4075	3.8498	24,142	43.933	213.5401	8.8313	0.62410	1.6770	1.8149	1.3965
2001	0.3994	3.4953	27,817	42.780	218.8364	9.3012	0.60850	1.7280	2.0465	1.4077
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	6 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
	Annual averages +									
1999	0.4258	4.2274	16,345	44.123	194.4732	8.8075	0.65874	1.6523	-	1.5840
2000	0.4041	4.0082	19,922	42.602	206.6127	8.4452	0.60948	1.5889	5 1.6821	1.3706
2001	0.4030	3.6721	26,004	43.300	217.9797	9.2551	0.62187	1.7319	2.1069	1.3864
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	6 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

* See Explanatory notes, p 59. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Up to September 2000, ECB indicative rates. 2 Up to March 2005, ECB indicative rates. 3 Accession to the euro area, see p 7 (Table I 1). 4 Average from 19 July to 29 December 2000.

5 Average from 13 January to 29 December 2000. 6 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. 7 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 ...

Other European and non-European countries (cont'd)										
	China	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico
Period	Chinese yuan renminbi CNY 1	Hong Kong dollar HKD 2	Icelandic krona ISK 2,3	Indian rupee INR 4	Indonesian rupiah IDR 1	New Israeli sheqel ILS 5	Japanese yen JPY	South Korean won KRW 2	Malaysian ringgit MYR 1	Mexican peso MXN 6
End of year										
1999	.	7.8033	72.83	.	7,052.77	.	102.73	1,137.28	3.8148	9.5320
2000	7.7017	7.2578	78.80	43.4290	9,077.75	3.7620	106.92	1,177.08	3.5380	8.9255
2001	7.2945	6.8723	91.48	42.4950	9,227.43	3.8746	115.33	1,161.55	3.3475	8.0466
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	3	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
Annual averages +										
1999	.	8.2694	77.18	.	8,386.62	.	121.32	1,267.26	4.0498	10.1945
2000	7 7.6168	7.1973	72.58	7 41.3561	7,731.57	7 3.7506	99.47	1,043.50	3.5101	8.7361
2001	7.4131	6.9855	87.42	42.2471	9,167.71	3.7672	108.68	1,154.83	3.4036	8.3710
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	3 143.83	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	13,875.50	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

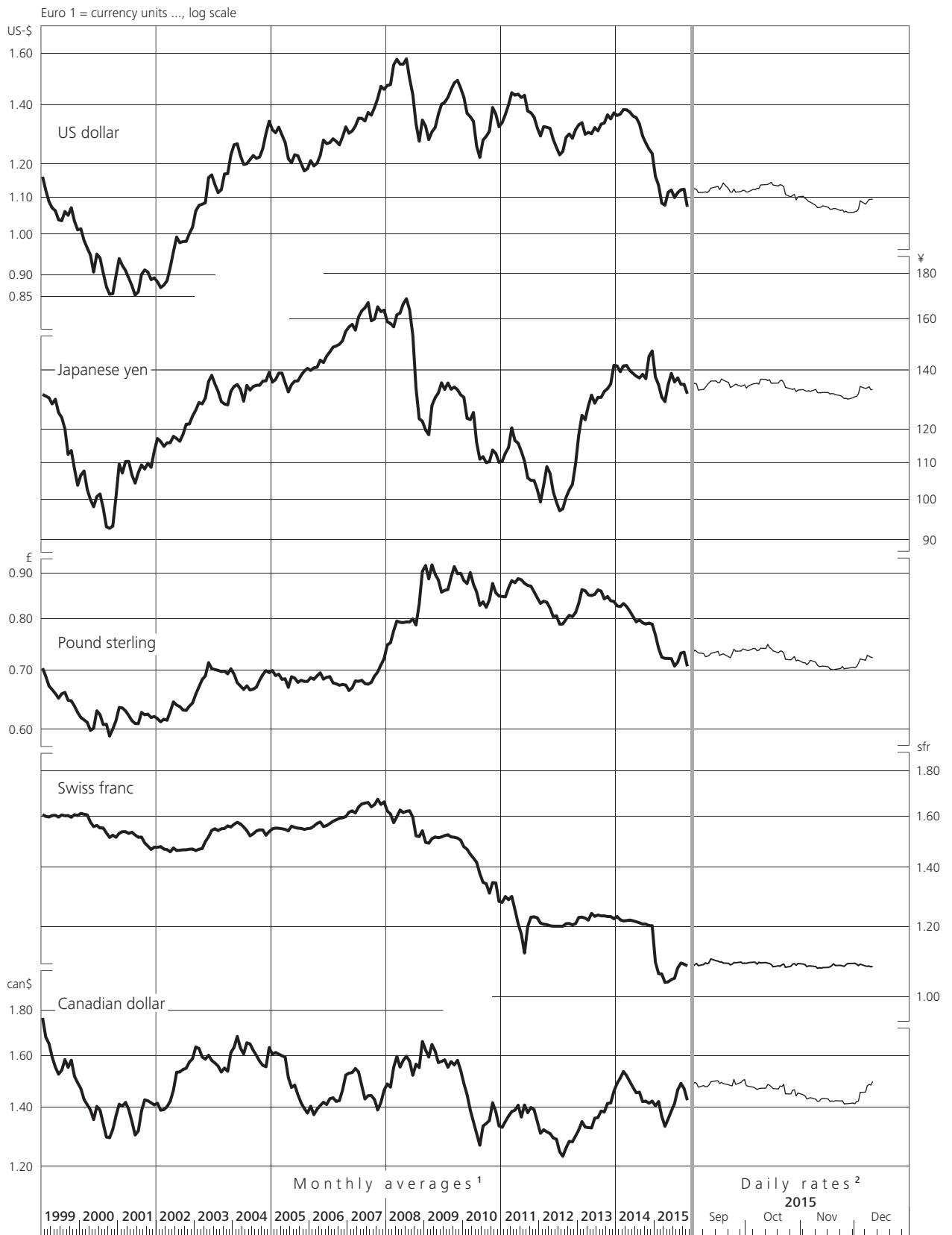
Other European and non-European countries (cont'd)										
	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP 1	Russian rouble RUB 1	Singapore dollar SGD 2	South African rand ZAR 2	Swiss franc CHF	Thai baht THB 1	Turkish lira / New Turkish lira TRY / TRY 2,8	US dollar USD
End of year										
1999	1.9357	8.0765	40.407	27.6689	1.6718	6.1870	1.6051	37.598	544,641	1.0046
2000	2.1120	8.2335	46.562	26.6746	1.6126	7.0392	1.5232	40.291	624,267	0.9305
2001	2.1215	7.9515	45.437	26.8631	1.6306	10.4302	1.4829	38.945	1,269,500	0.8813
2002	1.9975	7.2756	56.318	33.5108	1.8199	9.0094	1.4524	45.237	1,738,000	1.0487
2003	1.9244	8.4141	70.171	36.9555	2.1450	8.3276	1.5579	50.041	1,771,638	1.2630
2004	1.8871	8.2365	76.510	37.7879	2.2262	7.6897	1.5429	53.042	1,836,200	1.3621
2005	1.7270	7.9850	62.719	33.9200	1.9628	7.4642	1.5551	48.437	1,592,240	1.1797
2006	1.8725	8.2380	64.546	34.6800	2.0202	9.2124	1.6069	46.770	1,864,000	1.3170
2007	1.9024	7.9580	60.724	35.9860	2.1163	10.0298	1.6547	43.800	1,717,000	1.4721
2008	2.4191	9.7500	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2,148,800	1.3917
2009	1.9803	8.3000	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2,154,700	1.4406
2010	1.7200	7.8000	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2,069,400	1.3362
2011	1.6737	7.7540	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2,443,200	1.2939
2012	1.6045	7.3483	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2,355,100	1.3194
2013	1.6762	8.3630	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2,960,500	1.3791
2014	1.5525	9.0420	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2,832,000	1.2141
Annual averages +										
1999	2.0145	8.3104	41.675	26.5187	1.8064	6.5188	1.6003	40.335	447,238	1.0658
2000	2.0288	8.1129	40.737	26.0182	1.5923	6.3899	1.5579	37.032	574,816	0.9236
2001	2.1300	8.0484	45.660	26.1510	1.6039	7.6873	1.5105	39.841	1,102,425	0.8956
2002	2.0366	7.5086	48.837	29.7028	1.6912	9.9072	1.4670	40.637	1,439,680	0.9456
2003	1.9438	8.0033	61.336	34.6699	1.9703	8.5317	1.5212	46.923	1,694,851	1.1312
2004	1.8731	8.3697	69.727	35.8192	2.1016	8.0092	1.5438	50.077	1,777,052	1.2439
2005	1.7660	8.0092	68.494	35.1884	2.0702	7.9183	1.5483	50.068	1,677,711	1.2441
2006	1.9373	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1,809,000	1.2556
2007	1.8627	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1,786,500	1.3705
2008	2.0770	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1,906,400	1.4708
2009	2.2121	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2,163,100	1.3948
2010	1.8377	8.0043	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1,996,500	1.3257
2011	1.7600	7.7934	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2,337,800	1.3920
2012	1.5867	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2,313,500	1.2848
2013	1.6206	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2,533,500	1.3281
2014	1.5995	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2,906,500	1.3285

* 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 Up to September 2000, ECB indicative rates. 3 The ECB has not fixed a euro foreign exchange reference rate for the Icelandic krona since 4 December 2008. 4 Up to December 2008, ECB indicative rates. 5 Up to December

2010, ECB indicative rates. 6 Up to December 2007, ECB indicative rates. 7 Average from 13 January to 29 December 2000. 8 Currency conversion effective from 1 January 2005: 1,000,000 Turkish lira (TRL) = 1 New Turkish lira (TRY), designated as Turkish lira (TRY) since 1 January 2009.

II Euro foreign exchange reference rates of the European Central Bank

4 Exchange rates of major currencies



¹ Last monthly average: November 2015. ² Last updated: 11 December 2015.

III Effective exchange rates of the euro *

1 Annual and monthly averages

1999 Q1 = 100

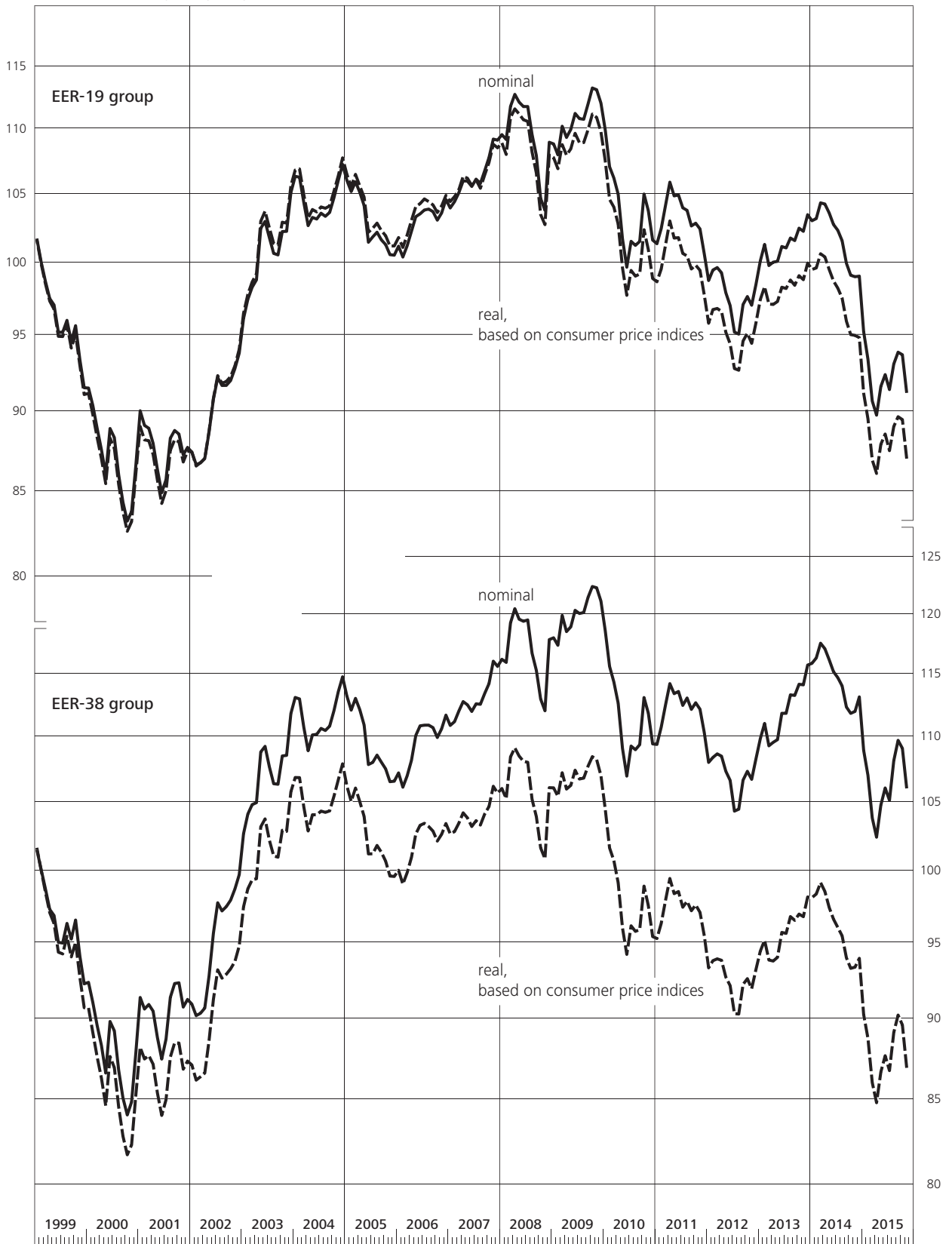
Period	Effective exchange rate of the euro ¹				<i>Memo item</i> Indicators of the German economy's price competitiveness based on consumer price indices					
	EER-19		EER-38		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based on consumer price indices	Nominal	Real, based 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	
2011 Nov	102.4	99.4	112.1	97.0	97.6	93.6	103.6	92.3	91.2	
2011 Dec	100.6	97.7	110.2	95.4	96.7	93.4	101.6	91.3	90.1	
2012 Jan	98.7	95.8	107.9	93.3	96.1	93.4	100.0	90.3	89.0	
2012 Feb	99.4	96.7	108.3	93.8	96.7	93.5	101.5	90.8	89.3	
2012 Mar	99.6	96.8	108.6	93.9	96.9	93.4	102.1	90.8	89.3	
2012 Apr	99.3	96.6	108.4	93.8	96.7	93.4	101.5	90.7	89.2	
2012 May	97.9	95.1	107.3	92.7	95.9	93.4	99.5	89.9	88.5	
2012 June	97.0	94.4	106.6	92.1	95.6	93.4	98.7	89.5	88.2	
2012 July	95.2	92.7	104.3	90.3	94.9	93.2	96.9	88.6	87.1	
2012 Aug	95.0	92.6	104.4	90.3	94.9	93.2	97.1	88.5	87.0	
2012 Sep	97.0	94.6	106.6	92.2	95.7	93.2	99.2	89.5	88.2	
2012 Oct	97.6	95.1	107.3	92.6	95.8	93.0	99.9	89.6	88.2	
2012 Nov	97.0	94.4	106.7	91.9	95.8	93.0	99.7	89.3	87.9	
2012 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	
2013 Feb	101.3	98.3	111.0	95.1	98.0	93.1	105.7	91.5	89.9	
2013 Mar	99.8	97.1	109.2	93.8	97.6	93.2	104.5	90.9	89.1	
2013 Apr	100.0	97.0	109.5	93.7	98.0	93.3	105.1	91.1	89.3	
2013 May	100.1	97.2	109.7	94.0	98.1	93.3	105.7	91.1	89.4	
2013 June	101.1	98.2	111.8	95.7	98.4	93.4	106.3	91.7	90.5	
2013 July	101.0	98.2	111.8	95.6	98.6	93.5	106.7	91.8	90.5	
2013 Aug	101.7	98.7	113.3	96.7	98.6	93.3	107.0	91.9	91.0	
2013 Sep	101.6	98.4	113.2	96.5	98.6	93.4	106.8	91.8	90.9	
2013 Oct	102.5	99.0	114.1	96.9	98.9	93.3	107.6	92.1	91.1	
2013 Nov	102.2	98.8	114.1	96.7	98.9	93.5	107.4	92.1	91.2	
2013 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	
2014 Feb	103.2	99.6	116.3	98.3	98.9	93.4	107.9	92.5	92.0	
2014 Mar	104.3	100.6	117.5	99.1	99.3	93.4	108.7	93.1	92.5	
2014 Apr	104.2	100.4	117.0	98.5	99.2	93.5	108.3	93.0	92.3	
2014 May	103.6	99.5	116.1	97.4	98.8	93.5	107.3	92.6	91.6	
2014 June	102.7	98.7	115.1	96.6	98.7	93.7	106.6	92.3	91.3	
2014 July	102.3	98.2	114.7	96.0	98.7	93.8	106.3	92.2	91.1	
2014 Aug	101.5	97.5	114.0	95.4	98.4	93.8	105.6	91.8	90.8	
2014 Sep	99.9	95.9	112.3	93.9	98.1	93.9	104.6	91.1	90.0	
2014 Oct	99.1	95.0	111.8	93.2	97.6	93.7	103.5	90.4	89.5	
2014 Nov	99.0	94.9	111.9	93.3	97.8	93.7	104.0	90.4	89.6	
2014 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	
2015 Feb	93.3	89.5	107.0	p 88.7	95.2	93.7	97.0	87.4	p 86.8	
2015 Mar	90.6	86.9	103.8	p 86.0	94.2	93.7	94.5	86.1	p 85.3	
2015 Apr	89.7	86.1	102.4	p 84.8	94.1	93.8	94.0	85.7	p 84.7	
2015 May	91.6	87.9	104.7	p 86.6	94.6	93.7	95.5	86.6	p 85.7	
2015 June	92.3	88.5	106.0	p 87.6	94.7	93.5	96.1	86.9	p 86.2	
2015 July	91.3	87.5	105.1	p 86.7	94.4	93.6	95.0	86.4	p 85.7	
2015 Aug	93.0	89.0	108.1	p 89.1	94.9	93.6	96.4	87.2	p 87.1	
2015 Sep	93.8	p 89.6	109.6	p 90.2	95.2	93.6	97.1	p 87.5	p 87.8	
2015 Oct	93.6	p 89.4	109.0	p 89.6	95.1	93.6	97.0	p 87.5	p 87.4	
2015 Nov	91.1	p 87.0	106.0	p 86.9	p 94.1	p 93.6	p 94.4	p 86.2	p 85.9	

* 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Afghanistan							
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 57.3967	AFN 64.0700	AFN 64.6500	AFN 66.5400
		S	USD 1 =	AFN 57.4967	AFN 64.1700	AFN 64.7500	AFN 66.6400
	AFN	B	EUR 1 =	AFN 75.6192	AFN 71.6900	AFN 71.0100	AFN 70.1400
		S	EUR 1 =	AFN 75.8792	AFN 71.9500	AFN 71.2700	AFN 70.4000
Albania							
Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 105.73	ALL 124.24	ALL 126.43	ALL 130.35
		M	EUR 1 =	ALL 139.97	ALL 139.39	ALL 139.18	ALL 138.15
Algeria							
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 80.6903	DZD 106.2577	DZD 106.7224	DZD 108.4883
		S	USD 1 =	DZD 80.7053	DZD 106.2727	DZD 106.7374	DZD 108.5033
	DZD	B	EUR 1 =	DZD 106.9201	DZD 118.6792	DZD 117.4800	DZD 114.6287
		S	EUR 1 =	DZD 106.9564	DZD 118.7279	DZD 117.5392	DZD 114.6880
Angola							
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 98.335	AOA 134.631	AOA 134.635	AOA 134.639
		S	USD 1 =	AOA 98.685	AOA 135.977	AOA 135.981	AOA 135.985
	AOA	B	EUR 1 =	AOA 129.875	AOA 151.312	AOA 147.547	AOA 142.879
		S	EUR 1 =	AOA 130.324	AOA 152.784	AOA 148.981	AOA 144.266
Antigua and Barbuda							
St John's 459	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.5713	XCD 3.0116	XCD 2.9616	XCD 2.8438
		V, S	EUR 1 =	XCD 3.6094	XCD 3.0437	XCD 2.9932	XCD 2.8742
Argentina							
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 8.0229	ARS 9.3220	ARS 9.4460	ARS 9.5880
		S	USD 1 =	ARS 8.1211	ARS 9.4220	ARS 9.5460	ARS 9.6880
	ARS	B	EUR 1 =	ARS 10.6374	ARS 10.4043	ARS 10.4019	ARS 10.1134
		S	EUR 1 =	ARS 10.7880	ARS 10.5394	ARS 10.5359	ARS 10.2431
Armenia							
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 417.13	AMD 473.71	AMD 472.78	AMD 482.81
		M	EUR 1 =	AMD 552.37	AMD 531.36	AMD 520.25	AMD 510.86
Aruba							
Oranjestad 474	Aruban florin = 100 cent	B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78
		S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80
	AWG	B	EUR 100 =	AWG 235.29	AWG 199.53	AWG 196.22	AWG 188.42
		S	EUR 100 =	AWG 237.66	AWG 201.54	AWG 198.19	AWG 190.31

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. 1 Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.9014	USD 0.7010	USD 0.7099	USD 0.7189
		M	AUD 1 =	EUR 0.6809	EUR 0.6236	EUR 0.6467	EUR 0.6790
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
Azerbaijan							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 0.7843	AZN 1.0480	AZN 1.0493	AZN 1.0512
		M	EUR 1 =	AZN 1.0401	AZN 1.1795	AZN 1.1516	AZN 1.1130
Bahamas							
Nassau 453	Bahamian dollar = 100 cents BSD	B	USD 1 =	BSD 0.9950	BSD 0.9950	BSD 0.9950	BSD 0.9950
		S	USD 1 =	BSD 1.0125	BSD 1.0125	BSD 1.0125	BSD 1.0125
		B	EUR 1 =	BSD 1.28773	BSD 1.09190	BSD 1.07180	BSD .
		S	EUR 1 =	BSD 1.35064	BSD 1.15070	BSD 1.13060	BSD .
Bahrain							
Manama 640	Bahraini dinar = 1,000 fils BHD	B	USD 1 =	BHD 0.37425	BHD 0.37425	BHD 0.37425	BHD 0.37425
		S	USD 1 =	BHD 0.37750	BHD 0.37750	BHD 0.37750	BHD 0.37750
		B	EUR 1 =	BHD 0.4827464	BHD 0.4103391	BHD 0.4010174	BHD 0.3869039
		S	EUR 1 =	BHD 0.5126070	BHD 0.4357209	BHD 0.4258226	BHD 0.4108361
Bangladesh 1							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 77.2083	BDT 77.2500	BDT 77.8500	BDT 78.6000
		S	USD 1 =	BDT 78.2150	BDT 78.2400	BDT 78.8400	BDT 79.5900
		B	EUR 1 =	BDT 101.3683	BDT 85.7154	BDT 83.9031	BDT 81.9392
		S	EUR 1 =	BDT 104.3751	BDT 89.3054	BDT 87.4931	BDT 85.5292
Barbados							
Bridgetown 469	Barbados dollar = 100 cents BBD	B	USD 1 =	BBD 1.99375	BBD 1.99375	BBD 1.99375	BBD 1.99375
		S	USD 1 =	BBD 2.02768	BBD 2.02768	BBD 2.02768	BBD 2.02768
		B	EUR 1 =	BBD 2.63131	BBD 2.23805	BBD 2.18449	BBD 2.11181
		S	EUR 1 =	BBD 2.68064	BBD 2.28001	BBD 2.22544	BBD 2.15140
Belarus							
Minsk 073	Belarusian rouble BYR	M	USD 1 =	BYR 10,280.42	BYR 17,703.00	BYR 17,438.00	BYR 18,153.00
		M	EUR 1 =	BYR 13,617.92	BYR 19,908.00	BYR 19,165.00	BYR 19,282.00

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. 1 Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
Belize							
Belmopan 421	Belize dollar = 100 cents BZD	B S	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
			USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
		B S	EUR 1 =	BZD 2.6195	BZD 2.2166	BZD 2.1879	BZD 2.0977
			EUR 1 =	BZD 2.6657	BZD 2.2558	BZD 2.2265	BZD 2.1347
Benin ¹							
Porto-Novo Seat of Government: Cotonou 284	CFA franc XOF	V 2	USD 1 =	XOF 493.758	XOF 585.519	XOF 595.404	XOF 620.056
			EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Bermuda							
Hamilton 413	Bermudian dollar = 100 cents BMD	B S	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
			USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
		V, B V, S	EUR 1 =	BMD 1.3232	BMD 1.1158	BMD 1.0973	BMD 1.0537
			EUR 1 =	BMD 1.3342	BMD 1.1251	BMD 1.1064	BMD 1.0624
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum BTN	B S	USD 1 =	BTN 60.90	BTN 65.90	BTN 65.00	BTN 66.61
			USD 1 =	BTN 61.33	BTN 66.36	BTN 65.45	BTN 67.07
		B S	EUR 1 =	BTN 80.48	BTN 74.05	BTN 71.30	BTN 70.73
			EUR 1 =	BTN 81.03	BTN 74.54	BTN 71.77	BTN 71.20
Bolivia, Plurinational State of							
Sucre Seat of Government: La Paz 516	Boliviano = 100 centavos BOB	B S	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
			USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		V, B V, S	EUR 1 =	BOB 9.1000	BOB 7.6853	BOB 7.5577	BOB 7.2572
			EUR 1 =	BOB 9.2326	BOB 7.7973	BOB 7.6678	BOB 7.3630
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga BAM	B S	USD 1 =	BAM 1.478970	BAM 1.741289	BAM 1.770846	BAM 1.843989
			USD 1 =	BAM 1.486383	BAM 1.750017	BAM 1.779722	BAM 1.853233
		B / S	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone 391	Pula = 100 thebe BWP	B S	BWP 1 =	USD 0.1114	USD 0.0946	USD 0.0947	USD 0.0919
			BWP 1 =	USD 0.1111	USD 0.0944	USD 0.0945	USD 0.0917
		B S	BWP 1 =	EUR 0.0843	EUR 0.0844	EUR 0.0861	EUR 0.0869
			BWP 1 =	EUR 0.0841	EUR 0.0842	EUR 0.0859	EUR 0.0867

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month			
					September 2015	October 2015	November 2015	
Brazil								
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 2.3541	BRL 3.9722	BRL 3.8582	BRL 3.8499	
		S	USD 1 =	BRL 2.3547	BRL 3.9729	BRL 3.8589	BRL 3.8506	
	BRL	B	EUR 1 =	BRL 3.1099	BRL 4.4330	BRL 4.2641	BRL 4.0713	
		S	EUR 1 =	BRL 3.1113	BRL 4.4349	BRL 4.2660	BRL 4.0735	
	Brunei Darussalam ¹							
	Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.2587	BND 1.4153	BND 1.3904	BND 1.4047
S			USD 1 =	BND 1.2797	BND 1.4364	BND 1.4115	BND 1.4255	
BND		B	EUR 1 =	BND 1.6509	BND 1.5789	BND 1.5131	BND 1.4715	
		S	EUR 1 =	BND 1.7075	BND 1.6357	BND 1.5697	BND 1.5279	
Bulgaria								
Sofia 068		Bulgarian lev = 100 stotinkas	M	USD 1 =	BGN 1.47435	BGN 1.74581	BGN 1.77528	BGN 1.84879
	M		EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583	
	BGN							
Burkina Faso ¹								
Ouagadougou 236	CFA franc	V	USD 1 =	XOF 493.758	XOF 585.519	XOF 595.404	XOF 620.056	
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
	XOF							
Burundi								
Bujumbura 328	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,531.6620	BIF 1,566.2295	BIF 1,569.5064	BIF 1,594.8108	
		S	USD 1 =	BIF 1,562.6047	BIF 1,597.8705	BIF 1,601.2136	BIF 1,627.0292	
	BIF	B	EUR 1 =	BIF 2,023.1542	BIF 1,762.5564	BIF 1,723.6320	BIF 1,688.8249	
		S	EUR 1 =	BIF 2,064.0261	BIF 1,798.1636	BIF 1,758.4528	BIF 1,722.9425	
	Cabo Verde							
	Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 83.496	CVE 98.315	CVE 100.782	CVE 104.119
S			USD 1 =	CVE 83.698	CVE 98.517	CVE 100.984	CVE 104.321	
CVE		2	B/S	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265
Cambodia								
Phnom Penh 696		Riel = 100 sen	M	USD 1 =	KHR 4,041	KHR 4,076	KHR 4,061	KHR 4,044
	B		EUR 1 =	KHR 5,338	KHR 4,586	KHR 4,461	KHR 4,281	
	KHR	S	EUR 1 =	KHR 5,391	KHR 4,632	KHR 4,506	KHR 4,323	
	Cameroon ¹							
	Yaoundé 302	CFA franc	V	USD 1 =	XAF 493.758	XAF 585.519	XAF 595.404	XAF 620.056
2			EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957	
XAF								
Canada								
Ottawa 404	Canadian dollar = 100 cents	M	USD 1 =	CAD 1.1045	CAD 1.3394	CAD 1.3083	CAD 1.3333	
		M	EUR 1 =	CAD 1.4629	CAD 1.4951	CAD 1.4446	CAD 1.4081	
	CAD							

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month			
					September 2015	October 2015	November 2015	
Cayman Islands								
George Town 463	Cayman Islands dollar = 100 cents KYD	2	KYD 1 =	USD 1.20	USD 1.20	USD 1.20	USD 1.20	
			V	EUR 1 =	KYD 1.1071	KYD 0.9336	KYD 0.9181	KYD 0.8816
Central African Republic ¹								
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 493.758	XAF 585.519	XAF 595.404	XAF 620.056	
			3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chad ¹								
N'Djaména 244	CFA franc XAF	V	USD 1 =	XAF 493.758	XAF 585.519	XAF 595.404	XAF 620.056	
			3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chile								
Santiago 512	Chilean peso = 100 centavos CLP	M	USD 1 =	CLP 570.60	CLP 704.68	CLP 690.34	CLP 712.63	
			M	EUR 1 =	CLP 756.85	CLP 792.84	CLP 756.29	CLP 755.38
China								
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.1429	CNY 6.3613	CNY 6.3495	CNY 6.3962	
			M	EUR 1 =	CNY 8.1255	CNY 7.1608	CNY 6.9771	CNY 6.7673
			M	HKD 1 =	CNY 0.79202	CNY 0.82081	CNY 0.81929	CNY 0.82528
China (Taiwan)								
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.27	TWD 32.91	TWD 32.48	TWD 32.65	
			S	USD 1 =	TWD 30.37	TWD 33.01	TWD 32.58	TWD 32.75
		B	EUR 1 =	TWD 40.03	TWD 36.88	TWD 35.52	TWD 34.40	
			S	EUR 1 =	TWD 40.43	TWD 37.28	TWD 35.92	TWD 34.80
Colombia								
Bogotá 480	Colombian peso = 100 centavos COP	B	USD 1 =	COP 2,000.20	COP 3,121.32	COP 2,920.58	COP 3,099.81	
			S	USD 1 =	COP 2,001.44	COP 3,122.55	COP 2,922.06	COP 3,102.39
		V, B	EUR 1 =	COP 2,647.93	COP 3,496.81	COP 3,217.60	COP 3,279.29	
			V, S	EUR 1 =	COP 2,649.55	COP 3,498.19	COP 3,219.23	COP 3,282.02
Comoros								
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 370.31822	KMF 439.13929	KMF 446.55328	KMF 465.04183	
			3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
Congo ¹								
Brazzaville 318	CFA franc XAF	V	USD 1 =	XAF 493.758	XAF 585.519	XAF 595.404	XAF 620.056	
			3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 907.1006	CDF 907.3196	CDF 909.4694	CDF 907.7979
		S	USD 1 =	CDF 944.1251	CDF 944.3531	CDF 946.5906	CDF 944.8509
	CDF	B	EUR 1 =	CDF 1,199.3524	CDF 1,017.8120	CDF 993.9815	CDF 960.1050
		S	EUR 1 =	CDF 1,247.9323	CDF 1,059.3553	CDF 1,034.5522	CDF 999.2929
Cook Islands ¹							
Avarua 837	Cook Islands dollar = 100 cents NZD	² B	NZD 1 =	EUR 0.6386	EUR 0.5809	EUR 0.6305	EUR 0.6336
		S	NZD 1 =	EUR 0.6147	EUR 0.5553	EUR 0.6031	EUR 0.6058
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 533.69	CRC 528.62	CRC 528.01	CRC 526.05
		S	USD 1 =	CRC 546.48	CRC 541.04	CRC 540.43	CRC 538.71
	CRC	V, B	EUR 1 =	CRC 705.1416	CRC 592.2130	CRC 581.7086	CRC 556.5083
		V, S	EUR 1 =	CRC 722.0979	CRC 606.1271	CRC 595.3917	CRC 569.9013
Côte d'Ivoire ¹							
Yamoussoukro Seat of Government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 493.758	XOF 585.519	XOF 595.404	XOF 620.056
		³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Croatia							
Zagreb 092	Kuna = 100 lipa	B	USD 1 =	HRK 5.746403	HRK 6.772748	HRK 6.887501	HRK 7.178233
		S	USD 1 =	HRK 5.780986	HRK 6.813506	HRK 6.928951	HRK 7.221431
	HRK	B	EUR 1 =	HRK 7.611530	HRK 7.609182	HRK 7.576940	HRK 7.603902
		S	EUR 1 =	HRK 7.657337	HRK 7.654974	HRK 7.622538	HRK 7.649662
Cuba ¹							
Havana 448	Convertible peso / Cuban peso = 100 centavos	B	CUC 1 =	USD 1.03360	USD 1.03360	USD 1.03360	USD 1.03360
		S	CUC 1 =	USD 0.96852	USD 0.96852	USD 0.96852	USD 0.96852
	CUC / CUP	B	EUR 1 =	CUC 1.27868	CUC 1.08630	CUC 1.06067	CUC 1.02361
		S	EUR 1 =	CUC 1.36464	CUC 1.15940	CUC 1.13214	CUC 1.09249
Curaçao							
Willemstad 477	Netherlands Antillean guilder = 100 cent	B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 235.26	ANG 199.53	ANG 196.22	ANG 188.42
		S	EUR 100 =	ANG 240.00	ANG 203.55	ANG 200.17	ANG 192.21
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
Czech Republic							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 20.752	CZK 24.266	CZK 24.594	CZK 25.545
		M	EUR 1 =	CZK 27.550	CZK 27.180	CZK 27.090	CZK 27.030

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 561.90	DKK 665.88	DKK 676.94	DKK 705.21
			EUR 100 =	DKK 745.45	DKK 745.98	DKK 745.78	DKK 746.04
Djibouti							
Djibouti 338	Djibouti franc = 100 centimes DJF	B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
			S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 231.88	DJF 197.57	DJF 191.73	DJF 190.63
			S	EUR 1 =	DJF 240.87	DJF 205.17	DJF 199.15
Dominica							
Roseau 460	East Caribbean dollar = 100 cents XCD	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
			S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B	EUR 1 =	XCD 3.5713	XCD 3.0116	XCD 2.9616	XCD 2.8438
			V, S	EUR 1 =	XCD 3.6094	XCD 3.0437	XCD 2.9932
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 43.2866	DOP 44.9368	DOP 45.0273	DOP 45.1004
			S	USD 1 =	DOP 43.6412	DOP 45.2784	DOP 45.4150
		B	EUR 1 =	DOP 56.8026	DOP 49.3429	DOP 48.8165	DOP 47.3749
			S	EUR 1 =	DOP 58.7314	DOP 52.2867	DOP 51.6823
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 7.0885	EGP 7.8300	EGP 8.0300	EGP 7.8300
			S	USD 1 =	EGP 7.1186	EGP 7.8301	EGP 8.0301
		B	EUR 1 =	EGP 9.3801	EGP 8.7095	EGP 8.7240	EGP 8.2399
			S	EUR 1 =	EGP 9.4645	EGP 8.8175	EGP 8.8203
El Salvador ¹							
San Salvador 428	El Salvador colón = 100 centavos SVC	B / S	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 11.6244	SVC 9.8026	SVC 9.6399	SVC 9.2566
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 493.758	XAF 585.519	XAF 595.404	XAF 620.056
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara 336	Nakfa = 100 cents ERN	B	USD 1 =	ERN 15.0000	ERN 15.0000	ERN 15.0000	ERN 15.0000
			S	USD 1 =	ERN 15.7500	ERN 15.7500	ERN 15.7500
		B	EUR 1 =	ERN 19.8556	ERN 16.9215	ERN 16.4415	ERN 15.8760
			S	EUR 1 =	ERN 20.6151	ERN 17.6810	ERN 17.2010
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 ff. ² 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 19.6266	ETB 20.8139	ETB 20.9058	ETB 20.9858
		S	USD 1 =	ETB 20.0192	ETB 21.2302	ETB 21.3239	ETB 21.4055
	ETB	B	EUR 1 =	ETB 25.9356	ETB 23.2866	ETB 22.9023	ETB 22.2093
		S	EUR 1 =	ETB 26.4544	ETB 23.7629	ETB 23.3689	ETB 22.6599
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound = 100 pence FKP	² V	USD 1 =	FKP 0.60679	FKP 0.65920	FKP 0.65190	FKP 0.66623
		² V	EUR 1 =	FKP 0.80612	FKP 0.73850	FKP 0.71820	FKP 0.70480
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.5372	USD 0.4675	USD 0.4725	USD 0.4716
		S	FJD 1 =	USD 0.5202	USD 0.4505	USD 0.4555	USD 0.4546
	FJD	B	FJD 1 =	EUR 0.4060	EUR 0.4133	EUR 0.4280	EUR 0.4427
		S	FJD 1 =	EUR 0.3940	EUR 0.4013	EUR 0.4160	EUR 0.4307
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
Gabon ¹							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 493.758	XAF 585.519	XAF 595.404	XAF 620.056
		³	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Gambia							
Banjul 252	Dalasi = 100 bututs GMD	M	USD 1 =	GMD 41.54	GMD 39.55	GMD 39.32	GMD 39.63
		M	EUR 1 =	GMD 55.85	GMD 43.07	GMD 42.84	GMD 43.19
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 1.7645	GEL 2.3816	GEL 2.3980	GEL 2.4051
		M	EUR 1 =	GEL 2.3399	GEL 2.6736	GEL 2.6414	GEL 2.5477
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month			
					September 2015	October 2015	November 2015	
Ghana								
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 2.9356	GHS 3.7234	GHS 3.7877	GHS 3.7913	
		S	USD 1 =	GHS 2.9383	GHS 3.7272	GHS 3.7915	GHS 3.7951	
	GHS	B	EUR 1 =	GHS 3.8691	GHS 4.1573	GHS 4.1911	GHS 4.0055	
		S	EUR 1 =	GHS 3.8724	GHS 4.1608	GHS 4.1936	GHS 4.0089	
	Gibraltar							
	Gibraltar 044	Gibraltar pound = 100 pence GIP	2 V	USD 1 =	GIP 0.60679	GIP 0.65920	GIP 0.65190	GIP 0.66623
2 V			EUR 1 =	GIP 0.80612	GIP 0.73850	GIP 0.71820	GIP 0.70480	
Greece ¹								
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579	
Grenada								
St George's 473	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 3.5713	XCD 3.0116	XCD 2.9616	XCD 2.8438	
		V, S	EUR 1 =	XCD 3.6094	XCD 3.0437	XCD 2.9932	XCD 2.8742	
Guatemala								
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.72325	GTQ 7.67553	GTQ 7.66267	GTQ 7.61230	
		V, M	EUR 1 =	GTQ 10.20646	GTQ 8.59890	GTQ 8.44196	GTQ 8.05305	
Guinea								
Conakry 260	Guinean franc	B	USD 1 =	GNF 6,712.6339	GNF 7,180.5107	GNF 7,206.4008	GNF 7,245.7440	
		S	USD 1 =	GNF 7,127.8484	GNF 7,778.8866	GNF 7,806.9343	GNF 7,849.5560	
	GNF	B	EUR 1 =	GNF 8,856.9146	GNF 8,058.3999	GNF 7,961.0551	GNF 7,674.2572	
		S	EUR 1 =	GNF 9,406.6233	GNF 8,729.9332	GNF 8,624.4764	GNF 8,313.7787	
Guinea-Bissau ¹								
Bissau 257	CFA franc XOF	V	USD 1 =	XOF 493.758	XOF 585.519	XOF 595.404	XOF 620.056	
		3	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
Guyana								
Georgetown 488	Guyana dollar = 100 cents	B	USD 1 =	GYD 205.94	GYD 205.98	GYD 205.98	GYD 205.98	
		S	USD 1 =	GYD 208.40	GYD 208.44	GYD 208.44	GYD 208.44	
	GYD	B	EUR 1 =	GYD 271.97	GYD 230.80	GYD 227.16	GYD 217.52	
		S	EUR 1 =	GYD 275.41	GYD 233.76	GYD 230.07	GYD 220.32	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. **1** Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 45.3465	HTG 52.1417	HTG 53.7793	HTG 56.1368
		V, M	EUR 1 =	HTG 59.8696	HTG 58.4143	HTG 59.2487	HTG 59.3871
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 21.0235	HNL 21.9830	HNL 22.0724	HNL 22.2162
		S	USD 1 =	HNL 21.1713	HNL 22.1369	HNL 22.2269	HNL 22.3717
		V, B	EUR 1 =	HNL 27.7584	HNL 24.6276	HNL 24.3172	HNL 23.5025
		V, S	EUR 1 =	HNL 27.9534	HNL 24.8000	HNL 24.4874	HNL 23.6670
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.74116	HKD 7.73620	HKD 7.73630	HKD 7.73630
		S	USD 1 =	HKD 7.76698	HKD 7.76220	HKD 7.76230	HKD 7.76230
		B	EUR 1 =	HKD 10.20097	HKD 8.67138	HKD 8.48778	HKD 8.17398
		S	EUR 1 =	HKD 10.27904	HKD 8.73112	HKD 8.54752	HKD 8.23372
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 232.52	HUF 279.05	HUF 281.48	HUF 294.35
		M	EUR 1 =	HUF 309.70	HUF 313.32	HUF 309.77	HUF 311.45
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 116.55	ISK 127.05	ISK 128.12	ISK 132.45
		S	USD 1 =	ISK 117.11	ISK 127.65	ISK 128.74	ISK 133.09
		B	EUR 1 =	ISK 154.43	ISK 142.37	ISK 141.03	ISK 140.06
		S	EUR 1 =	ISK 155.29	ISK 143.17	ISK 141.81	ISK 140.84
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	B	USD 1 =	INR 60.68	INR 65.45	INR 64.85	INR 66.38
		S	USD 1 =	INR 61.56	INR 66.30	INR 65.70	INR 67.23
		B	EUR 1 =	INR 79.81	INR 73.30	INR 70.85	INR 69.86
		S	EUR 1 =	INR 81.53	INR 74.92	INR 72.43	INR 71.43
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 11,817.54	IDR 14,584.00	IDR 13,571.00	IDR 13,771.00
		S	USD 1 =	IDR 11,936.13	IDR 14,730.00	IDR 13,707.00	IDR 13,909.00
		B	EUR 1 =	IDR 15,625.17	IDR 16,408.46	IDR 14,895.53	IDR 14,565.59
		S	EUR 1 =	IDR 15,784.49	IDR 16,575.67	IDR 15,050.29	IDR 14,714.33
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 26,019	IRR 29,956	IRR 29,957	IRR 30,086
		M	EUR 1 =	IRR 34,352	IRR 33,713	IRR 32,971	IRR 31,842

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month			
					September 2015	October 2015	November 2015	
Iraq								
Baghdad 612	Iraqi dinar = 1,000 fils	B	USD 1 =	IQD 1,164.000	IQD 1,164.000	IQD 1,164.000	IQD 1,164.000	
		S	USD 1 =	IQD 1,166.000	IQD 1,166.000	IQD 1,166.000	IQD 1,166.000	
	IQD	B	EUR 1 =	IQD 1,543.284	IQD 1,305.733	IQD 1,289.068	IQD 1,233.710	
		S	EUR 1 =	IQD 1,544.056	IQD 1,306.386	IQD 1,289.713	IQD 1,234.328	
	Ireland							
	Dublin 007	Euro = 100 cent	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
EUR								
Israel								
Jerusalem 624	New Israeli sheqel = 100 agorot	M	USD 1 =	ILS 3.5774	ILS 3.9230	ILS 3.8670	ILS 3.8770	
		M	EUR 1 =	ILS 4.7362	ILS 4.4038	ILS 4.2529	ILS 4.0995	
	ILS							
Italy								
Rome 005	Euro = 100 cent	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579	
	EUR							
Jamaica								
Kingston 464	Jamaican dollar = 100 cents	B	USD 1 =	JMD 111.0355	JMD 118.3460	JMD 119.3167	JMD 119.2453	
		S	USD 1 =	JMD 111.5450	JMD 119.0553	JMD 119.8343	JMD 119.9320	
	JMD	B	EUR 1 =	JMD 146.5545	JMD 132.75922	JMD 130.62242	JMD 126.55490	
		S	EUR 1 =	JMD 147.2540	JMD 133.58262	JMD 131.24092	JMD 127.09798	
	Japan							
	Tokyo 732	Japanese yen = 100 sen	B	USD 1 =	JPY 104.74	JPY 118.96	JPY 119.90	JPY 121.82
S			USD 1 =	JPY 106.74	JPY 120.96	JPY 121.90	JPY 123.82	
JPY		B	EUR 1 =	JPY 138.85	JPY 133.47	JPY 131.34	JPY 128.38	
		S	EUR 1 =	JPY 141.85	JPY 136.47	JPY 134.34	JPY 131.38	
Jordan								
Amman 628		Jordanian dinar = 1,000 fils	B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
	S		USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100	
	JOD	B	EUR 1 =	JOD 0.93352	JOD 0.79431	JOD 0.77207	JOD 0.74829	
		S	EUR 1 =	JOD 0.94063	JOD 0.80095	JOD 0.77923	JOD 0.75530	
	Kazakhstan							
	Astana 079	Tenge = 100 tiyn	M	USD 1 =	KZT 180.13	KZT 270.40	KZT 279.21	KZT 307.20
KZT		M	EUR 1 =	KZT 238.91	KZT 303.47	KZT 305.57	KZT 326.06	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 87.9884	KES 105.1944	KES 101.7000	KES 102.0139	
		S	USD 1 =	KES 88.1627	KES 105.3912	KES 101.9000	KES 102.2147	
	KES	B	EUR 1 =	KES 116.1432	KES 118.2106	KES 111.4678	KES 108.0317	
		S	EUR 1 =	KES 116.4065	KES 118.4539	KES 111.7189	KES 108.2750	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Korea, Democratic People's Republic of							
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 99.46	KPW 107.44 ²	KPW 108.70 ³	KPW 110.51 ⁴
		S	USD 1 =	KPW 100.21	KPW 108.25 ²	KPW 109.52 ³	KPW 111.34 ⁴
	KPW	B	EUR 1 =	KPW 131.28	KPW 120.27 ²	KPW 118.78 ³	KPW 116.78 ⁴
		S	EUR 1 =	KPW 132.27	KPW 121.18 ²	KPW 119.68 ³	KPW 117.66 ⁴
Korea, Republic of							
Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,043.52	KRW 1,170.00	KRW 1,127.40	KRW 1,146.70
		S	USD 1 =	KRW 1,064.09	KRW 1,193.00	KRW 1,149.60	KRW 1,169.30
	KRW	B	EUR 1 =	KRW 1,376.12	KRW 1,312.39	KRW 1,240.40	KRW 1,212.46
		S	EUR 1 =	KRW 1,403.91	KRW 1,338.89	KRW 1,265.44	KRW 1,236.94
Kuwait							
Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.28348	KWD 0.30080	KWD 0.30180	KWD 0.30310
		S	USD 1 =	KWD 0.28737	KWD 0.30440	KWD 0.30540	KWD 0.30670
	KWD	B	EUR 1 =	KWD 0.374535	KWD 0.337197	KWD 0.332916	KWD 0.320771
		S	EUR 1 =	KWD 0.379672	KWD 0.341232	KWD 0.336887	KWD 0.324581
Kyrgyzstan							
Bishkek 083	Kyrgyz som = 100 tyiyn KGS	M	USD 1 =	KGS 53.7662	KGS 68.8359	KGS 69.6980	KGS 75.9000
		M	EUR 1 =	KGS 71.2246	KGS 77.2924	KGS 76.7131	KGS 80.5792
Lao People's Democratic Republic							
Vientiane 684	Kip	B	USD 1 =	LAK 8,035	LAK 8,136	LAK 8,128	LAK 8,151
		S	USD 1 =	LAK 8,065	LAK 8,165	LAK 8,165	LAK 8,188
	LAK	B	EUR 1 =	LAK 10,596	LAK 9,126	LAK 8,913	LAK 8,605
		S	EUR 1 =	LAK 10,647	LAK 9,169	LAK 8,955	LAK 8,645
Latvia							
Riga 054	Euro = 100 cents EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
Lebanon							
Beirut 604	Lebanese pound = 100 piastres LBP	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50
		M	EUR 1 =	LBP 1,998.49	LBP 1,690.51	LBP 1,659.31	LBP 1,594.18
Lesotho ¹							
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 10.8527	LSL 13.8461	LSL 13.8326	LSL 14.3235
		M	EUR 1 =	LSL 14.3720	LSL 15.4986	LSL 15.2273	LSL 15.1583

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 ff. ² Exchange rate as of 1 October 2015. ³ Exchange rate as of 2 November 2015. ⁴ Exchange rate as of 1 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 84.17	LRD 88.00	LRD 87.00	LRD 87.00
		S	USD 1 =	LRD 85.17	LRD 89.00	LRD 88.00	LRD 88.00
	LRD	V, B V, S	EUR 1 = EUR 1 =	LRD 111.2468 LRD 112.5679	LRD 98.5864 LRD 99.7067	LRD 95.8479 LRD 96.9496	LRD 92.0373 LRD 93.0952
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.2700	LYD 1.3718	LYD 1.3843	LYD 1.4037
		S	USD 1 =	LYD 1.2764	LYD 1.3787	LYD 1.3912	LYD 1.4107
	LYD	B	EUR 1 =	LYD 1.6819	LYD 1.5328	LYD 1.5149	LYD 1.4859
		S	EUR 1 =	LYD 1.6903	LYD 1.5404	LYD 1.5225	LYD 1.4933
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	–	USD 1.1203	USD 1.1017	USD 1.0579
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 7.9386	MOP 7.9725	MOP 7.9726	MOP 7.9727
		S	USD 1 =	MOP 8.0384	MOP 8.0040	MOP 8.0041	MOP 8.0042
	MOP	B	EUR 1 =	MOP 10.4961	MOP 8.9408	MOP 8.7468	MOP 8.4268
		S	EUR 1 =	MOP 10.6281	MOP 8.9968	MOP 8.8028	MOP 8.4828
Macedonia, former Yugoslav Republic of							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 46.3064	MKD 54.7896	MKD 55.6878	MKD 57.9398
		S	USD 1 =	MKD 46.7718	MKD 55.3402	MKD 56.2475	MKD 58.5221
	MKD	B S	EUR 1 = EUR 1 =	MKD 61.3201 MKD 61.9363	MKD 61.3862 MKD 62.0032	MKD 61.3513 MKD 61.9679	MKD 61.3003 MKD 61.9163
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M M	USD 1 = EUR 1 =	MGA 2,420.91 MGA 3,203.66	MGA 3,223.13 MGA 3,613.41	MGA 3,292.24 MGA 3,607.87	MGA 3,260.43 MGA 3,448.11
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 412.0642	MWK 554.4022	MWK 552.5227	MWK 597.2771
		S	USD 1 =	MWK 440.0889	MWK 567.9830	MWK 564.3617	MWK 612.3981
	MWK	B	EUR 1 =	MWK 543.1653	MWK 620.1543	MWK 610.5928	MWK 632.6359
		S	EUR 1 =	MWK 580.0817	MWK 635.3458	MWK 623.6761	MWK 648.6520

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Malaysia							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 3.2379	MYR 4.3905	MYR 4.2465	MYR 4.2262
		S	USD 1 =	MYR 3.3099	MYR 4.4945	MYR 4.3635	MYR 4.3428
	MYR	B	EUR 1 =	MYR 4.2742	MYR 4.9293	MYR 4.6475	MYR 4.4557
		S	EUR 1 =	MYR 4.3868	MYR 5.0743	MYR 4.8093	MYR 4.6107
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.39	MVR 15.39	MVR 15.29	MVR 15.33
		V, M	EUR 1 =	MVR 20.33277	MVR 17.24142	MVR 16.84499	MVR 16.21761
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 493.758	XOF 585.519	XOF 595.404	XOF 620.056
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Malta							
Valletta 046	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
Mauritania							
Nouakchott 228	Ouguiya = 5 khoums MRO	B	USD 1 =	MRO 301.42	MRO 328.78	MRO 333.15	MRO 334.12
		S	USD 1 =	MRO 304.45	MRO 332.07	MRO 336.48	MRO 337.47
	MRO	B	EUR 1 =	MRO 398.37	MRO 368.66	MRO 365.32	MRO 353.16
		S	EUR 1 =	MRO 402.37	MRO 372.35	MRO 368.99	MRO 356.71
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 30.2380	MUR 35.1093	MUR 35.5314	MUR 35.8069
		S	USD 1 =	MUR 31.1224	MUR 36.1501	MUR 36.5837	MUR 36.8650
	MUR	B	EUR 1 =	MUR 39.9070	MUR 39.5221	MUR 39.0240	MUR 37.9049
		S	EUR 1 =	MUR 41.0552	MUR 40.7008	MUR 40.1867	MUR 39.0354
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 13.3191	MXN 16.9300	MXN 16.5040	MXN 16.5705
		S	USD 1 =	MXN 13.3219	MXN 16.9330	MXN 16.5070	MXN 16.5735
	MXN	V, B	EUR 1 =	MXN 17.6293	MXN 18.9667	MXN 18.1825	MXN 17.5299
		V, S	EUR 1 =	MXN 17.6327	MXN 18.9700	MXN 18.1858	MXN 17.5331
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 14.0758	MDL 20.1583	MDL 20.0339	MDL 20.1088
		M	EUR 1 =	MDL 18.6445	MDL 22.5177	MDL 21.9603	MDL 21.2792
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 1,822.25	MNT 1,996.83	MNT 1,991.67	MNT 1,994.83
		M	EUR 1 =	MNT 2,406.24	MNT 2,242.44	MNT 2,188.55	MNT 2,111.63

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. 1 Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month			
					September 2015	October 2015	November 2015	
Morocco								
Rabat 204	Moroccan dirham = 100 centimes	B	USD 1 =	MAD 8.3931	MAD 9.7084	MAD 9.7883	MAD 10.0440	
		S	USD 1 =	MAD 8.4436	MAD 9.7668	MAD 9.8471	MAD 10.1040	
	MAD	B	EUR 1 =	MAD 11.119	MAD 10.866	MAD 10.809	MAD 10.628	
		S	EUR 1 =	MAD 11.186	MAD 10.931	MAD 10.874	MAD 10.692	
	Mozambique							
	Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 30.65	MZN 39.94	MZN 41.91	MZN 54.01
S			USD 1 =	MZN 30.85	MZN 40.14	MZN 42.11	MZN 54.11	
MZN		B	EUR 1 =	MZN 40.49	MZN 44.70	MZN 46.12	MZN 57.14	
		S	EUR 1 =	MZN 40.76	MZN 44.92	MZN 46.34	MZN 57.24	
Myanmar								
Nay Pyi Taw 676		Kyat = 100 pyas MMK	M	USD 1 =	MMK 985.83	MMK 1,287.00	MMK 1,277.00	MMK 1,300.00
	M		EUR 1 =	MMK 1,301.45	MMK 1,449.20	MMK 1,402.10	MMK 1,375.50	
Namibia ¹								
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 10.8427	NAD 13.9070	NAD 13.8404	NAD 14.3960	
		M	EUR 1 =	NAD 14.3183	NAD 15.6302	NAD 15.1954	NAD 15.2342	
Nepal								
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 97.41	NPR 105.26	NPR 103.92	NPR 106.52	
		S	USD 1 =	NPR 98.01	NPR 105.86	NPR 104.52	NPR 107.12	
	NPR	B	EUR 1 =	NPR 128.72	NPR 118.29	NPR 113.85	NPR 112.83	
		S	EUR 1 =	NPR 129.52	NPR 118.96	NPR 114.50	NPR 113.47	
	Netherlands							
	Amsterdam Seat of Government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
New Caledonia ¹								
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 11.13	USD 9.39	USD 9.23	USD 8.87	
		2	XPF 1,000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38	
New Zealand								
Wellington 804	New Zealand dollar = 100 cents	B	NZD 1 =	USD 0.8445	USD 0.6512	USD 0.6899	USD 0.6680	
		S	NZD 1 =	USD 0.8191	USD 0.6275	USD 0.6651	USD 0.6438	
	NZD	B	NZD 1 =	EUR 0.6386	EUR 0.5809	EUR 0.6305	EUR 0.6336	
		S	NZD 1 =	EUR 0.6147	EUR 0.5553	EUR 0.6031	EUR 0.6058	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 26.0100	NIO 27.5869	NIO 27.7015	NIO 27.8128
		V, M	EUR 1 =	NIO 34.34194	NIO 30.90560	NIO 30.51874	NIO 29.42316
Niger 1							
Niamey 240	CFA franc XOF	V	USD 1 =	XOF 493.758	XOF 585.519	XOF 595.404	XOF 620.056
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Nigeria							
Abuja 288	Naira = 100 kobo NGN	B	USD 1 =	NGN 156.17	NGN 195.95	NGN 196.00	NGN 196.00
		S	USD 1 =	NGN 157.17	NGN 196.95	NGN 197.00	NGN 197.00
		B	EUR 1 =	NGN 207.0464	NGN 219.6404	NGN 216.0508	NGN 207.2896
		S	EUR 1 =	NGN 208.3730	NGN 220.7613	NGN 217.1531	NGN 208.3472
Norway							
Oslo 028	Norwegian krone = 100 øre NOK	B	USD 1 =	NOK 6.2830	NOK 8.4652	NOK 8.5235	NOK 8.6688
		S	USD 1 =	NOK 6.3181	NOK 8.5242	NOK 8.5825	NOK 8.7278
		B	EUR 1 =	NOK 8.3609	NOK 9.4989	NOK 9.3642	NOK 9.1742
		S	EUR 1 =	NOK 8.4059	NOK 9.5639	NOK 9.4292	NOK 9.2392
Oman							
Muscat 649	Rial Omani = 1,000 baisa OMR	B	USD 1 =	OMR 0.3840	OMR 0.3840	OMR 0.3840	OMR 0.3840
		S	USD 1 =	OMR 0.3850	OMR 0.3850	OMR 0.3850	OMR 0.3850
		B	EUR 1 =	OMR 0.5079328	OMR 0.4320768	OMR 0.4195968	OMR 0.4063488
		S	EUR 1 =	OMR 0.5093743	OMR 0.4333560	OMR 0.4208820	OMR 0.4075610
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B	USD 1 =	PKR 100.54	PKR 104.20	PKR 105.00	PKR 105.30
		S	USD 1 =	PKR 100.74	PKR 104.40	PKR 105.20	PKR 105.50
		B	EUR 1 =	PKR 133.31	PKR 117.32	PKR 115.23	PKR 111.47
		S	EUR 1 =	PKR 133.58	PKR 117.55	PKR 115.45	PKR 111.68
Panama 1							
Panama City 442	Balboa = 100 centésimos PAB	3	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.3285	PAB 1.1203	PAB 1.1017	PAB 1.0579
Papua New Guinea							
Port Moresby 801	Kina = 100 toea PGK	B	PGK 1 =	USD 0.4016	USD 0.3560	USD 0.3500	USD 0.3450
		S	PGK 1 =	USD 0.3701	USD 0.3410	USD 0.3350	USD 0.3300
		B	PGK 1 =	EUR 0.3039	EUR 0.3142	EUR 0.3162	EUR 0.3231
		S	PGK 1 =	EUR 0.2793	EUR 0.2996	EUR 0.3014	EUR 0.3081

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. 1 Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 4,458.54	PYG 5,631.08	PYG 5,627.07	PYG 5,674.91
		S	USD 1 =	PYG 4,467.30	PYG 5,641.09	PYG 5,642.35	PYG 5,686.15
	PYG	V, B	EUR 1 =	PYG 5,910.99	PYG 6,308.50	PYG 6,199.34	PYG 6,003.49
		V, S	EUR 1 =	PYG 5,922.58	PYG 6,319.71	PYG 6,216.18	PYG 6,015.38
Peru							
Lima 504	Nuevo sol = 100 céntimos	B	USD 1 =	PEN 2.838	PEN 3.220	PEN 3.282	PEN 3.372
		S	USD 1 =	PEN 2.840	PEN 3.223	PEN 3.287	PEN 3.376
	PEN	B	EUR 1 =	PEN 3.682	PEN 3.576	PEN 3.594	PEN 3.504
		S	EUR 1 =	PEN 3.857	PEN 3.718	PEN 3.770	PEN 3.709
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 43.89649	PHP 46.06227	PHP 46.14111	PHP 46.46140
		S	USD 1 =	PHP 44.87111	PHP 47.41773	PHP 47.49889	PHP 47.82860
	PHP	B	EUR 1 =	PHP 58.11207	PHP 51.82927	PHP 50.65371	PHP 49.29554
		S	EUR 1 =	PHP 59.41447	PHP 53.35443	PHP 52.14428	PHP 50.74615
Poland							
Warsaw 060	Polish zloty = 100 groszy	M	USD 1 =	PLN 3.1548	PLN 3.7754	PLN 3.8748	PLN 4.0304
	PLN	M	EUR 1 =	PLN 4.1893	PLN 4.2386	PLN 4.2652	PLN 4.2639
Portugal							
Lisbon 010	Euro = 100 cent	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
	EUR						
Qatar							
Doha 644	Qatari riyal = 100 dirham	B	USD 1 =	QAR 3.6300	QAR 3.6300	QAR 3.6300	QAR 3.6300
		S	USD 1 =	QAR 3.6502	QAR 3.6502	QAR 3.6502	QAR 3.6502
	QAR	B	EUR 1 =	QAR 4.740	QAR 4.028	QAR 3.908	QAR 3.784
		S	EUR 1 =	QAR 4.888	QAR 4.170	QAR 4.048	QAR 3.924
Romania							
Bucharest 066	Romanian leu = 100 bani	M	USD 1 =	RON 3.3487	RON 3.9342	RON 4.0252	RON 4.1975
	RON	M	EUR 1 =	RON 4.4377	RON 4.4167	RON 4.4322	RON 4.4460
Russian Federation							
Moscow 075	Russian rouble = 100 kopeken	M	USD 1 =	RUB 38.6025	RUB 66.2367	RUB 64.3742	RUB 66.2393
	RUB	M	EUR 1 =	RUB 51.6637	RUB 74.5825	RUB 70.7537	RUB 70.3859

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. 1 Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 676.251241	RWF 723.306641	RWF 728.709884	RWF 734.428775
		S	USD 1 =	RWF 689.501020	RWF 737.771313	RWF 743.282610	RWF 749.115867
	RWF	B	EUR 1 =	RWF 897.084251	RWF 813.647640	RWF 799.868404	RWF 777.980401
		S	EUR 1 =	RWF 914.648736	RWF 829.918950	RWF 815.864157	RWF 793.538438
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound = 100 pence SHP	2 V	USD 1 =	SHP 0.60679	SHP 0.65920	SHP 0.65190	SHP 0.66623
		2 V	EUR 1 =	SHP 0.80612	SHP 0.73850	SHP 0.71820	SHP 0.70480
Saint Kitts and Nevis							
Basseterre 449	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.5713	XCD 3.0116	XCD 2.9616	XCD 2.8438
		V, S	EUR 1 =	XCD 3.6094	XCD 3.0437	XCD 2.9932	XCD 2.8742
Saint Lucia							
Castries 465	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.5713	XCD 3.0116	XCD 2.9616	XCD 2.8438
		V, S	EUR 1 =	XCD 3.6094	XCD 3.0437	XCD 2.9932	XCD 2.8742
Saint Vincent and the Grenadines							
Kingstown 467	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.5713	XCD 3.0116	XCD 2.9616	XCD 2.8438
		V, S	EUR 1 =	XCD 3.6094	XCD 3.0437	XCD 2.9932	XCD 2.8742
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.42792	USD 0.37360	USD 0.38040	USD 0.37870
		M	WST 1 =	EUR 0.32392	EUR 0.33260	EUR 0.34670	EUR 0.35760
Sao Tome and Principe ¹							
São Tomé 311	Dobra = 100 céntimos	B	USD 1 =	STD 18,540.48	STD 21,933.75	STD 22,415.37	STD 23,156.90
		S	USD 1 =	STD 18,818.59	STD 22,262.76	STD 22,751.60	STD 23,504.25
	STD	M	EUR 1 =	STD 24,500.00	STD 24,500.00	STD 24,500.00	STD 24,500.00
Saudi Arabia							
Riyadh 632	Saudi riyal = 100 halalah	B	USD 1 =	SAR 3.7440	SAR 3.7440	SAR 3.7440	SAR 3.7440
		S	USD 1 =	SAR 3.7540	SAR 3.7540	SAR 3.7540	SAR 3.7540
	SAR	B	EUR 1 =	SAR 4.8249	SAR 4.1183	SAR 3.9805	SAR 3.8742
		S	EUR 1 =	SAR 5.1183	SAR 4.3582	SAR 4.2885	SAR 4.1007

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 493.758	XOF 585.519	XOF 595.404	XOF 620.056
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Serbia							
Belgrade 098	Serbian dinar = 100 para	B	USD 1 =	RSD 88.4813	RSD 106.1715	RSD 109.6125	RSD 114.2013
		S	USD 1 =	RSD 89.0138	RSD 106.8105	RSD 110.2721	RSD 114.8885
	RSD	B	EUR 1 =	RSD 117.0353	RSD 119.3899	RSD 120.3983	RSD 120.8821
		S	EUR 1 =	RSD 117.7397	RSD 120.1083	RSD 121.1229	RSD 121.6095
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 12.6103	SCR 12.7791	SCR 12.7778	SCR 12.6614
		S	USD 1 =	SCR 13.0203	SCR 13.2456	SCR 13.2513	SCR 13.2745
	SCR	B	EUR 1 =	SCR 16.7174	SCR 14.3690	SCR 14.1020	SCR 13.5641
		S	EUR 1 =	SCR 17.1547	SCR 14.9033	SCR 14.4874	SCR 14.0724
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 4,501.44	SLL 5,239.67	SLL 5,330.41	SLL 5,516.72
		S	USD 1 =	SLL 4,592.38	SLL 5,345.52	SLL 5,438.10	SLL 5,628.17
	SLL	V, B	EUR 1 =	SLL 5,934.57	SLL 5,870.00	SLL 5,872.51	SLL 5,836.14
		V, S	EUR 1 =	SLL 6,054.46	SLL 5,988.59	SLL 5,991.15	SLL 5,954.04
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.2678	SGD 1.4253	SGD 1.4018	SGD 1.4131
		M	EUR 1 =	SGD 1.6773	SGD 1.6045	SGD 1.5388	SGD 1.4960
Sint Maarten (southern part)							
Philipsburg 479	Netherlands Antillean guilder = 100 cent	B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 235.26	ANG 199.53	ANG 196.22	ANG 188.42
		S	EUR 100 =	ANG 240.00	ANG 203.55	ANG 200.17	ANG 192.21
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1354	USD 0.1224	USD 0.1234	USD 0.1238
		M	SBD 1 =	EUR 0.1026	EUR 0.1089	EUR 0.1127	EUR 0.1167

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Somalia ¹							
Mogadishu 342	Somali shilling	M	USD 1 =
	SOS	M	EUR 1 =
South Africa							
Pretoria Seat of Parliament: Cape Town 388	South African rand = 100 cents	B	USD 1 =	ZAR 10.6736	ZAR 13.6818	ZAR 13.6530	ZAR 14.2118
		S	USD 1 =	ZAR 10.9911	ZAR 13.9993	ZAR 13.9705	ZAR 14.5293
	ZAR	B	EUR 1 =	ZAR 14.0999	ZAR 15.2706	ZAR 15.0308	ZAR 14.9971
		S	EUR 1 =	ZAR 14.5604	ZAR 15.7017	ZAR 15.4631	ZAR 15.4252
South Sudan							
Juba 225	South Sudanese pound = 100 piastres	B	USD 1 =	SSP .	SSP 2.9377	SSP 2.9377	SSP 2.9377
		S	USD 1 =	SSP .	SSP 2.9623	SSP 2.9623	SSP 2.9623
	SSP	B	EUR 1 =	SSP .	SSP 3.3017	SSP 3.2218	SSP 3.1054 ²
		S	EUR 1 =	SSP .	SSP 3.3358	SSP 3.2499	SSP 3.1326 ²
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.3285	USD 1.1203	USD 1.1017	USD 1.0579
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 129.04	LKR 138.81	LKR 138.56	LKR 141.01
		S	USD 1 =	LKR 131.95	LKR 143.41	LKR 143.05	LKR 145.34
	LKR	B	EUR 1 =	LKR 170.00	LKR 155.16	LKR 151.08	LKR 148.11
		S	EUR 1 =	LKR 175.62	LKR 162.11	LKR 157.89	LKR 154.57
Sudan							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 5.7264	SDG 6.0771	SDG 6.0771	SDG 6.0771
		S	USD 1 =	SDG 5.7550	SDG 6.1075	SDG 6.1075	SDG 6.1075
	SDG	B	EUR 1 =	SDG 7.5582	SDG 6.8398	SDG 6.6404	SDG 6.4344
		S	EUR 1 =	SDG 7.5960	SDG 6.8740	SDG 6.6736	SDG 6.4666
Suriname ¹							
Paramaribo 492	Suriname dollar = 100 cent	B	USD 1 =	SRD 3.250	SRD 3.250	SRD 3.250	SRD 3.960 ¹
		S	USD 1 =	SRD 3.350	SRD 3.350	SRD 3.350	SRD 4.040 ¹
	SRD	B	EUR 1 =	SRD 4.295	SRD 3.641	SRD 3.552	SRD 4.190 ¹
		S	EUR 1 =	SRD 4.428	SRD 3.753	SRD 3.662	SRD 4.275 ¹
Swaziland ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 10.8213	SZL 13.8210	SZL 13.8215	SZL 14.3865
		S	USD 1 =	SZL 10.8617	SZL 13.8710	SZL 13.8303	SZL 14.4365
	SZL	B	EUR 1 =	SZL 14.28278	SZL 15.5085	SZL 15.1815	SZL 15.2324
		S	EUR 1 =	SZL 14.33873	SZL 15.5660	SZL 15.1954	SZL 15.2897
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 6.8245	SEK 8.3557	SEK 8.4856	SEK 8.6980
		S	USD 1 =	SEK 6.8920	SEK 8.4232	SEK 8.5531	SEK 8.7655
	SEK	B	EUR 1 =	SEK 9.1198	SEK 9.3954	SEK 9.3519	SEK 9.2285
		S	EUR 1 =	SEK 9.1713	SEK 9.4469	SEK 9.4034	SEK 9.2800

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 ff. ² Exchange rate as of 1 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Switzerland							
Berne 039	Swiss franc = 100 rappen / centimes CHF	B	USD 1 =	CHF 0.9158	CHF 0.9734	CHF 0.9873	CHF 1.0309
		B	EUR 1 =	CHF 1.2128	CHF 1.0926	CHF 1.0867	CHF 1.0906
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 155.21	SYP 250.36	SYP .	SYP 293.91
		S	USD 1 =	SYP 156.15	SYP 251.87	SYP .	SYP 295.68
		B	EUR 1 =	SYP 204.48	SYP 281.88	SYP .	SYP 311.17
		S	EUR 1 =	SYP 205.91	SYP 283.86	SYP .	SYP 313.36
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 4.9438	TJS 6.4565	TJS 6.6207	TJS 6.7242
		M	EUR 1 =	TJS 6.5586	TJS 7.2358	TJS 7.3026	TJS 7.1142
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 1,650.8663	TZS 2,138.3366	TZS 2,155.5545	TZS 2,138.4158
		S	USD 1 =	TZS 1,667.3750	TZS 2,159.7200	TZS 2,177.1100	TZS 2,159.8000
		B	EUR 1 =	TZS 2,180.1690	TZS 2,396.2200	TZS 2,355.5899	TZS 2,263.2993
		S	EUR 1 =	TZS 2,202.3748	TZS 2,420.8301	TZS 2,380.0167	TZS 2,286.1483
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 32.3369	THB 36.2048	THB 35.4457	THB 35.7339
		S	USD 1 =	THB 32.6198	THB 36.5344	THB 35.7589	THB 36.0549
		B	EUR 1 =	THB 42.6435	THB 40.5480	THB 38.7341	THB 37.6249
		S	EUR 1 =	THB 43.2503	THB 41.2624	THB 39.4362	THB 38.3219
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 493.758	XOF 585.519	XOF 595.404	XOF 620.056
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Tonga							
Nuku'alofa 817	Pa'anga = 100 seniti TOP	M	TOP 1 =	USD 0.5403	USD 0.4452	USD 0.4518	USD 0.4460
		M	TOP 1 =	EUR 0.4093 V	EUR 0.3949	EUR 0.4109	EUR 0.4224
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.3615	TTD 6.3182	TTD 6.3109	TTD 6.3374
		S	USD 1 =	TTD 6.4106	TTD 6.3725	TTD 6.3990	TTD 6.3933
		B	EUR 1 =	TTD 8.2159	TTD 6.9277	TTD 6.8772	TTD 6.5251
		S	EUR 1 =	TTD 8.6790	TTD 7.4193	TTD 7.3551	TTD 7.1680

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month		
					September 2015	October 2015	November 2015
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 1.6962	TND 1.9521	TND 1.9798	TND 2.0465
		S	USD 1 =	TND 1.6995	TND 1.9561	TND 1.9837	TND 2.0505
	TND	B	EUR 1 =	TND 2.2434	TND 2.1829	TND 2.1842	TND 2.1653
		S	EUR 1 =	TND 2.2479	TND 2.1873	TND 2.1886	TND 2.1697
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B	USD 1 =	TRY 2.1873	TRY 3.0433	TRY 2.8943	TRY 2.9195
		S	USD 1 =	TRY 2.1913	TRY 3.0488	TRY 2.8995	TRY 2.9248
	TRY	B	EUR 1 =	TRY 2.8972	TRY 3.4212	TRY 3.1990	TRY 3.0938
		S	EUR 1 =	TRY 2.9024	TRY 3.4273	TRY 3.2048	TRY 3.0994
Turkmenistan							
Ashgabat 080	Turkmen manat = 100 tenga TMT	M	USD 1 =	TMT 2.85	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 3.7828	TMT 3.9326	TMT 3.8535	TMT 3.7062
Uganda							
Kampala 350	Uganda shilling	B	USD 1 =	UGX 2,611.36	UGX 3,690.25	UGX 3,555.19	UGX 3,352.12
		S	USD 1 =	UGX 2,621.25	UGX 3,700.25	UGX 3,565.19	UGX 3,362.12
	UGX	B	EUR 1 =	UGX 3,446.65	UGX 4,139.72	UGX 3,896.49	UGX 3,551.57
		S	EUR 1 =	UGX 3,459.71	UGX 4,150.94	UGX 3,907.45	UGX 3,562.17
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok UAH	M	USD 100 =	UAH 1,208.5066	UAH 2,152.7544	UAH 2,290.3985	UAH 2,388.4656
		M	EUR 100 =	UAH 1,594.2622	UAH 2,411.9460	UAH 2,503.4056	UAH 2,526.9966
United Arab Emirates ¹							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils AED	M	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
		V, M	EUR 1 =	AED 4.8517	AED 4.1143	AED 4.0460	AED 3.8851
United Kingdom ¹							
London 006	Pound sterling = 100 pence GBP	M	GBP 1 =	USD 1.6477	USD 1.5147	USD 1.5443	USD 1.5053
		M	EUR 1 =	GBP 0.8024	GBP 0.7372	GBP 0.7150	GBP 0.7016
United States							
Washington 400	US dollar = 100 cents	B	EUR 1 =	USD 1.3208	USD 1.1173	USD 1.0994	USD 1.0563
		S	EUR 1 =	USD 1.3210	USD 1.1178	USD 1.1001	USD 1.0568
	USD	B	GBP 1 =	USD 1.6478	USD 1.5122	USD 1.5417	USD 1.5053
		S	GBP 1 =	USD 1.6481	USD 1.5126	USD 1.5418	USD 1.5055

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 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 2014	Rate at end of month			
					September 2015	October 2015	November 2015	
Uruguay								
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 23.244	UYU 29.097	UYU 29.365	UYU 29.581	
		M	EUR 1 =	UYU 30.840	UYU 32.4883	UYU 32.3176	UYU 31.2597	
Uzbekistan								
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 2,315.00	UZS 2,621.00	UZS 2,677.75	UZS 2,735.74	
		M	EUR 1 =	UZS 3,083.52	UZS 2,940.95	UZS 3,030.23	UZS 2,931.67	
Vanuatu								
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 96.82	VUV 112.45	VUV 111.45	VUV 111.19	
		S	USD 1 =	VUV 101.68	VUV 118.11	VUV 117.05	VUV 116.78	
		B	EUR 1 =	VUV 127.58	VUV 126.25	VUV 122.19	VUV 117.70	
		S	EUR 1 =	VUV 132.46	VUV 131.08	VUV 126.86	VUV 122.20	
Venezuela, Bolivarian Republic of ¹								
Caracas 484	Bolívar = 100 céntimos VEF	2	B	USD 1 =	VEF 6.2842	VEF 6.2842	VEF 6.2842	VEF 6.2842
			S	USD 1 =	VEF 6.3000	VEF 6.3000	VEF 6.3000	VEF 6.3000
		B	S	EUR 1 =	VEF 8.33700126	VEF 7.02133666	VEF 6.91010632	VEF 6.64365624
			S	EUR 1 =	VEF 8.35924500	VEF 7.04214000	VEF 6.92811000	VEF 6.66414000
		3	B	USD 1 =	VEF 49.8401 4	VEF 198.9218	VEF 199.0278	VEF 199.0405
			S	USD 1 =	VEF 49.9651 4	VEF 199.4204	VEF 199.5267	VEF 199.5394
B	S	EUR 1 =	VEF 65.4171 4	VEF 222.255327	VEF 218.850969	VEF 210.425617		
S	EUR 1 =	VEF 65.5881 4	VEF 222.912123	VEF 219.419512	VEF 211.072777			
Viet Nam								
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 21,189	VND 22,450	VND 22,270	VND 22,470	
		S	USD 1 =	VND 21,236	VND 22,510	VND 22,350	VND 22,540	
		B	EUR 1 =	VND 27,909.50	VND 25,175.54	VND 24,394.11	VND 23,689.78	
		S	EUR 1 =	VND 28,176.84	VND 25,425.52	VND 24,648.32	VND 23,931.78	
Yemen								
Sana'a 653	Yemeni rial = 100 fils YER	B	USD 1 =	YER 214.87	YER 214.87	YER 214.87	YER 214.87	
		S	USD 1 =	YER 214.91	YER 214.91	YER 214.91	YER 214.91	
		B	EUR 1 =	YER 284.34	YER 240.48	YER 234.76	YER 227.59	
		S	EUR 1 =	YER 284.40	YER 240.53	YER 234.80	YER 227.63	
Zambia								
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 6.1790	ZMW 12.0006	ZMW 12.5360	ZMW 10.3085	
		S	USD 1 =	ZMW 6.1974	ZMW 12.0206	ZMW 12.5560	ZMW 10.3285	
		B	EUR 1 =	ZMW 8.1629	ZMW 13.4311	ZMW 13.8360	ZMW 10.9064	
		S	EUR 1 =	ZMW 8.1885	ZMW 13.4559	ZMW 13.8618	ZMW 10.9317	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 63 ff. ² Official rate. ³ SIMADI. ⁴ SICAD II.

V Value of the special drawing right in selected currencies *

1 End of year

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Pound sterling GBP	Japanese yen JPY	Canadian dollar CAD	Swiss franc CHF	Swedish krona SEK	Danish krone DKK	Norwegian krone NOK
1999	1.37251	1.36467	0.848150	140.111	1.98094	2.19297	11.6873	10.1549	11.0218
2000	1.30291	1.40022	0.873149	149.704	1.95462	2.13221	12.4232	10.4500	11.5288
2001	1.25673	1.42474	0.866469	165.491	2.00147	2.10605	13.3943	10.5685	11.3251
2002	1.35952	1.29639	0.843483	162.414	2.14750	1.88539	11.9542	9.62844	9.47006
2003	1.48597	1.17654	0.832619	158.575	1.92047	1.83800	10.7715	8.82099	9.91886
2004	1.55301	1.14016	0.804085	161.161	1.86920	1.75738	10.2351	8.46296	9.37796
2005	1.42927	1.21155	0.830055	168.610	1.66418	1.87848	11.3363	9.03881	9.67427
2006	1.50440	1.14229	0.766377	178.948	1.75308	1.83582	10.3390	8.51702	9.41017
2007	1.58025	1.07346	0.788780	179.947	1.56144	1.77857	10.2088	8.02021	8.55074
2008	1.54027	1.10675	0.766377	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

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

2 End of month

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Pound sterling GBP	Japanese yen JPY	Canadian dollar CAD	Swiss franc CHF	Swedish krona SEK	Danish krone DKK	Norwegian krone NOK
2012 June	1.51755	1.20536	0.972602	120.342	1.54653	1.44987	10.5670	8.95993	9.07993
July	1.50833	1.22788	0.961575	117.876	1.51044	1.47530	10.2610	9.13626	9.11278
Aug	1.52201	1.20689	0.960929	119.402	1.50116	1.45200	10.1599	8.99297	8.80134
Sep	1.54219	1.19272	0.952499	119.628	1.51705	1.44272	10.0680	8.89229	8.78974
Oct	1.54057	1.18569	0.955922	122.691	1.53995	1.43057	10.2185	8.84502	8.75695
Nov	1.53481	1.18190	0.955849	126.545	1.52437	1.41970	10.2063	8.81686	8.71771
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

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 = CU ...

Period	US dollar USD	Euro EUR	Pound sterling GBP	Japanese yen JPY	Canadian dollar CAD	Swiss franc CHF	Swedish krona SEK	Danish krone DKK	Norwegian krona NOK	
2015 Sep	1	1.40786	1.25299	0.916994	170.352	1.85543	1.35507	11.8752	9.35156	11.7230
	2	1.40703	1.25013	0.921073	169.223	1.87289	1.35764	11.9044	9.33001	11.6281
	3	1.40499	1.25122	0.919439	169.442	1.85445	1.36397	11.8150	9.33593	11.6026
	4	1.40166	1.25845	0.920505	168.115	1.86042	1.36578	11.8123	9.38861	11.5985
	8	1.40336	1.25727	0.912934	167.575	1.85174	1.37263	11.8504	9.38104	11.5977
	9	1.40246	1.25906	0.913059	168.632	1.85448	1.36937	11.8082	9.39399	11.5834
	10	1.40396	1.25522	0.912492	168.756	1.85589	1.37181	11.7914	9.36523	11.5178
	11	1.40815	1.24968	0.913250	170.076	1.86945	1.37618	11.7076	9.32357	11.5858
	14	1.41074	1.24789	0.914219	170.276	1.87205	1.36785	11.6175	9.30969	11.5517
	15	1.41050	1.24602	0.914244	170.148	1.87074	1.36818	11.6396	9.29645	11.5338
	16	1.40638	1.25256	0.911461	169.230	1.85333	1.37178	11.6683	9.34536	11.5718
	17	1.41147	1.24776	0.908810	170.209	1.86116	1.36715	11.6662	9.31064	11.4999
	18	1.41828	1.24203	0.906939	169.910	1.86461	1.35431	11.6029	9.26698	11.4726
	21	1.41020	1.25351	0.907878	.	1.86852	1.36395	11.6369	9.35217	11.5580
	22	1.40430	1.25890	0.909521	.	1.86463	1.36737	11.7188	9.39170	11.6001
	23	1.40274	1.25806	0.915986	.	1.86774	1.36907	11.7828	9.38500	11.6207
	24	1.40567	1.25048	0.920607	168.947	1.87671	1.36954	11.8033	9.33010	11.8333
	25	1.40156	1.25689	0.920929	168.678	1.86758	1.36736	11.8035	9.37603	11.9569
	28	1.40221	1.25533	0.922688	168.826	1.87349	1.37473	11.8412	9.36435	12.0286
	29	1.40475	1.25380	0.924727	168.219	1.88419	1.36654	11.8519	9.35427	11.9387
	30	1.40374	1.25300	0.923574	168.378	1.88016	1.36640	11.7748	9.34719	11.9341
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	.	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	.	1.38883	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	.	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

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						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other 1
	US dollar	Euro	Exchange rate anchor Composite	Other			
No separate legal tender	Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste Zimbabwe	Kosovo Montenegro San Marino		Kiribati Tuvalu			
Currency board	Djibouti Hong Kong ECCU 2 Antigua and Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria		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	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					Monetary aggregate target	Inflation-targeting framework	Other ¹
	Exchange rate target							
	US dollar	Euro	Exchange rate anchor Composite	Other				
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	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, p 62. 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-November 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
AOA	Kwanza	Angola	DKK	Danish krone	Denmark Faroe Islands Greenland	HNL	Lempira	Honduras
ARS	Argentine peso	Argentina	DOP	Dominican peso	Dominican Republic	HRK	Kuna	Croatia
AUD	Australian dollar	Australia Christmas Island Cocos Islands Kiribati Nauru Norfolk Island Tuvalu	DZD	Algerian dinar	Algeria	HTG	Gourde	Haiti
						HUF	Hungarian forint	Hungary
			EGP	Egyptian pound	Egypt	IDR	Indonesian rupiah	Indonesia
AWG	Aruban florin	Aruba	ERN	Nakfa	Eritrea	ILS	New Israeli sheqel	Israel
AZN	Azerbaijan manat	Azerbaijan	ETB	Birr	Ethiopia	INR	Indian rupee	India Bhutan
			EUR	Euro	Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain	IQD	Iraqi dinar	Iraq
BAM	Convertible marka	Bosnia and Herzegovina				IRR	Iranian rial	Iran, Islamic Republic of
BBD	Barbados dollar	Barbados				ISK	Icelandic krona	Iceland
BDT	Taka	Bangladesh						
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				KES	Kenya shilling	Kenya
BOB	Boliviano	Bolivia, Plurinational State of				KGS	Kyrgyz som	Kyrgyzstan
BRL	Brazilian real	Brazil				KHR	Riel	Cambodia
BSD	Bahamian dollar	Bahamas				KMF	Comorian franc	Comoros
BTN	Ngultrum	Bhutan				KPW	North Korean won	Korea, Democratic People's Republic of
BWP	Pula	Botswana				KRW	South Korean won	Korea, Republic of
BYR	Belarusian rouble	Belarus				KWD	Kuwaiti dinar	Kuwait
BZD	Belize dollar	Belize				KYD	Cayman Islands dollar	Cayman Islands
						KZT	Tenge	Kazakhstan
CAD	Canadian dollar	Canada	FJD	Fiji dollar	Fiji			
CDF	Congo franc	Congo, Democratic Republic of the	FKP	Falkland Islands pound	Falkland Islands (Islas Malvinas)	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 63 ff.

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

Council Regulation (EC) No 2866/98

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

The Council of the European Union,

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

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

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

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

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

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

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

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

has adopted this Regulation:

Article 1

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

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

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

Article 2

This Regulation shall enter into force on 1 January 1999.

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

Communiqué of the European Union of 31 December 1998

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

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

Danish krone	7.46038
Greek drachma	353.109

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

Council Regulation (EC) No 1478/2000

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

The Council of the European Union,

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

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

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

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

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

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

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

has adopted this Regulation:

Article 1

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

"= 340.750 Greek drachma".

Article 2

This Regulation shall enter into force on 1 January 2001.

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

**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 tolar to 1 euro, which corresponds to the current central rate of the tolar in the exchange rate mechanism (ERM II).

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

has adopted this Regulation:

Article 1

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

"= 239.640 Slovenian tolar".

Article 2

This Regulation shall enter into force on 1 January 2007.

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

**Council Regulation (EC)
No 1134/2007
of 10 July 2007 amending Regulation (EC)
No 2866/98 as regards the conversion rate
to the euro for Malta (published in the
Official Journal of the European Union L 256
of 2 October 2007)**

The Council of the European Union,

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

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

¹ 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					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	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															
Bulgaria						0.36	0.45	0.55	0.63	0.62	0.30	0.37	0.44	0.51	0.49
China						6.47	9.21	13.82	18.37	22.18	5.32	7.58	11.20	14.78	17.67
Croatia						0.54	0.61	0.65	0.63	0.47	0.44	0.50	0.53	0.51	0.37
Czech Republic						2.91	3.65	4.19	5.07	5.18	2.39	3.01	3.40	4.08	4.12
Hungary						2.62	3.02	3.16	3.17	2.85	2.16	2.48	2.56	2.55	2.27
Poland						3.37	3.97	4.88	6.24	6.40	2.78	3.27	3.95	5.02	5.10
Romania						0.98	1.36	1.71	1.96	2.08	0.80	1.12	1.39	1.57	1.66
Additional countries in the EER-38 group															
Algeria											0.28	0.35	0.35	0.38	0.40
Argentina											0.49	0.27	0.26	0.30	0.38
Brazil											1.38	1.21	1.24	1.38	1.43
Chile											0.31	0.32	0.42	0.42	0.41
China (Taiwan)											2.38	2.09	1.83	1.50	1.52
Iceland											0.06	0.07	0.08	0.09	0.09
India											1.35	1.46	1.76	2.15	2.45
Indonesia											0.78	0.73	0.61	0.62	0.69
Israel											1.01	0.88	0.72	0.67	0.68
Malaysia											1.15	1.17	1.13	1.05	1.02
Mexico											1.18	1.28	1.19	1.20	1.33
Morocco											0.62	0.57	0.61	0.58	0.59
New Zealand											0.11	0.13	0.13	0.11	0.10
Philippines											0.52	0.50	0.42	0.30	0.28
Russian Federation											1.83	2.22	2.98	3.47	3.49
South Africa											0.89	0.92	1.03	0.95	0.98
Thailand											0.99	1.02	1.04	1.10	1.12
Turkey											2.21	2.30	3.04	3.13	3.26
Venezuela, Bolivarian Republic of											0.22	0.18	0.16	0.15	0.15

^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 defined as the sum of the values of fixed amounts of four currencies.

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

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

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

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

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

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

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

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

Global exchange rate arrangements and monetary policy framework

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

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

The monetary policy frameworks listed are as follows.

Exchange rate anchor

The monetary authority buys or sells foreign exchange to maintain the exchange rate at its predetermined level or within a range. The exchange rate thus serves as the nominal anchor or intermediate target of monetary policy. These frameworks are associated with exchange rate arrangements with no separate legal tender, currency board arrangements, 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

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 36,600 and EUR 1 = IRR 38,750 at the end of November 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.

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 (SICAD II until 11 February 2015)

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 November 2015 was USD 1 = VEF 13.50.

