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Statistical Supplement 5
to the Monthly Report

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

Postal address
Postfach 10 06 02
60006 Frankfurt am Main
Germany

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

Fax +49 69 9566 8606 or 3077

<http://www.bundesbank.de>

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

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

Selected updated statistics are also available on the website.

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Abbreviations and symbols

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

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

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	Data unknown, not to be published or not meaningful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

Discrepancies in the totals are due to rounding.

I Euro area and exchange rate stability convergence criterion

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

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

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

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

Country Currency ISO currency code	Type of rate	EUR 1 = CU ...						
		From ... 1 Jan 1999	17 Jan 2000	28 June 2004	2 May 2005	28 Nov 2005	19 Mar 2007	29 May 2008
Denmark 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 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
	14	1.9558	7.6330	27.024	7.4610	317.12	4.3658	4.5191
	15	1.9558	7.6390	27.022	7.4614	316.50	4.3537	4.4960
	16	1.9558	7.6425	27.030	7.4617	316.41	4.3186	4.5035
	17	1.9558	7.6530	27.031	7.4612	315.96	4.2959	4.5048
	18	1.9558	7.6495	27.030	7.4613	314.25	4.2806	4.5160
	21	1.9558	7.6505	27.028	7.4610	314.15	4.2402	4.5115
	22	1.9558	7.6560	27.028	7.4615	313.97	4.2377	4.5192
	23	1.9558	7.6415	27.033	7.4617	314.85	4.2469	4.5240
	24	1.9558	7.6425	27.028	7.4628	315.91	4.2412	4.5285
	28	1.9558	7.6295	27.022	7.4631	314.13	4.2455	4.5255
	29	1.9558	7.6383	27.028	7.4629	314.26	4.2364	4.5370
	30	1.9558	7.6370	27.029	7.4625	313.15	4.2400	4.5296
	31	1.9558	7.6380	27.023	7.4626	315.98	4.2639	4.5240
2016 Jan	4	1.9558	7.6415	27.023	7.4620	315.39	4.2955	4.5170
	5	1.9558	7.6388	27.022	7.4605	315.20	4.3084	4.5268
	6	1.9558	7.6405	27.026	7.4603	314.81	4.3374	4.5224
	7	1.9558	7.6400	27.030	7.4596	315.79	4.3512	4.5288
	8	1.9558	7.6427	27.022	7.4598	315.53	4.3523	4.5275
	11	1.9558	7.6455	27.021	7.4603	317.32	4.3646	4.5305
	12	1.9558	7.6672	27.021	7.4612	317.75	4.3568	4.5333
	13	1.9558	7.6670	27.021	7.4614	315.43	4.3458	4.5300
	14	1.9558	7.6660	27.021	7.4624	315.97	4.3730	4.5348
	15	1.9558	7.6655	27.021	7.4631	314.35	4.4129	4.5375
	18	1.9558	7.6635	27.037	7.4633	315.42	4.4606	4.5365
	19	1.9558	7.6555	27.023	7.4628	314.56	4.4384	4.5305
	20	1.9558	7.6670	27.042	7.4638	314.76	4.4702	4.5326
	21	1.9558	7.6710	27.064	7.4630	314.42	4.4943	4.5316
	22	1.9558	7.6690	27.026	7.4621	312.20	4.4587	4.5273
	25	1.9558	7.6695	27.021	7.4624	312.70	4.4690	4.5256
	26	1.9558	7.6658	27.021	7.4622	312.73	4.4942	4.5348
	27	1.9558	7.6685	27.025	7.4625	313.85	4.4710	4.5388
	28	1.9558	7.6593	27.021	7.4626	313.37	4.4534	4.5400
	29	1.9558	7.6600	27.026	7.4628	312.03	4.4398	4.5352
Feb	1	1.9558	7.6605	27.021	7.4625	311.86	4.3952	4.5246
	2	1.9558	7.6675	27.026	7.4628	311.65	4.4055	4.5140
	3	1.9558	7.6665	27.025	7.4623	310.55	4.3982	4.5093
	4	1.9558	7.6610	27.021	7.4629	310.49	4.4152	4.5087
	5	1.9558	7.6540	27.037	7.4629	309.95	4.4134	4.5028
	8	1.9558	7.6455	27.062	7.4631	310.69	4.4352	4.4798
	9	1.9558	7.6420	27.058	7.4635	311.55	4.4530	4.4943
	10	1.9558	7.6350	27.031	7.4638	311.62	4.4289	4.4830

* 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		
9.3843	0.71320	1.5457	4.2724	1.4450	6.9914	8.5500	72.3534	2015 Nov	2	
9.3935	0.71315	1.5301	4.1813	1.4406	6.9545	8.5065	72.1429		3	
9.3663	0.70940	1.5210	4.1035	1.4292	6.9291	8.4748	71.6093		4	
9.3916	0.71260	1.5233	4.1364	1.4320	6.9065	8.4351	71.7100		5	
9.3839	0.71765	1.5204	4.1206	1.4342	6.9035	8.4212	71.5938		6	
9.3378	0.71410	1.5263	4.0896	1.4285	6.8569	8.3540	71.5769		9	
9.3102	0.70840	1.5189	4.0627	1.4204	6.8121	8.3026	70.9818		10	
9.3290	0.70600	1.5183	4.0013	1.4213	6.8235	8.3060	70.9780		11	
9.3009	0.70640	1.5073	4.0793	1.4293	6.8330	8.3132	71.1282		12	
9.3388	0.70705	1.5077	4.0847	1.4322	6.8607	8.3429	71.2000		13	
9.3206	0.70580	1.5110	4.1144	1.4293	6.8330	8.3109	70.7613		16	
9.3243	0.70170	1.4960	4.0684	1.4200	6.8045	8.2700	70.4322		17	
9.3019	0.70090	1.5028	4.0563	1.4223	6.8054	8.2669	70.6304		18	
9.3089	0.69980	1.4925	4.0154	1.4203	6.8244	8.2829	70.7800		19	
9.2796	0.70100	1.4825	3.9660	1.4229	6.8239	8.2833	70.7492		20	
9.2496	0.70250	1.4793	3.9654	1.4222	6.7926	8.2391	70.5699		23	
9.2622	0.70620	1.4763	3.9550	1.4229	6.8048	8.2547	70.6582		24	
9.2717	0.70175	1.4601	3.9890	1.4108	6.7611	8.2047	70.1855		25	
9.2756	0.70280	1.4685	3.9935	1.4119	6.7805	8.2247	70.6402		26	
9.2420	0.70290	1.4689	3.9359	1.4121	6.7650	8.2001	70.6449		27	
9.2070	0.70480	1.4671	4.0709	1.4143	6.7689	8.1989	70.5275		30	
9.2118	0.70360	1.4540	4.1255	1.4118	6.7808	8.2180	70.5123	Dec	1	
9.2132	0.70590	1.4489	4.0884	1.4204	6.7903	8.2247	70.6171		2	
9.2250	0.71220	1.4550	4.0476	1.4213	6.8273	8.2701	71.1343		3	
9.2724	0.72010	1.4899	4.1180	1.4540	6.9802	8.4492	72.8020		4	
9.2188	0.71770	1.4849	4.0425	1.4550	6.9266	8.3771	72.1325		7	
9.2236	0.72710	1.5099	4.1297	1.4793	6.9795	8.4286	72.6871		8	
9.2587	0.72510	1.5182	4.1247	1.4847	7.0325	8.4796	73.1296		9	
9.2761	0.72350	1.5000	4.1177	1.4817	7.0416	8.4813	73.0416		10	
9.3007	0.72240	1.5180	4.2190	1.4962	7.0716	8.4868	73.3719		11	
9.3630	0.72600	1.5231	4.2883	1.5106	7.0929	8.5125	73.7454		14	
9.2883	0.72520	1.5200	4.2609	1.5069	7.1017	8.5173	73.5161		15	
9.2991	0.72830	1.5186	4.3042	1.5050	7.0726	8.4732	72.9350		16	
9.3022	0.72660	1.5097	4.2031	1.4995	7.0330	8.4050	71.8400		17	
9.2660	0.72666	1.5206	4.2265	1.5123	7.0274	8.4005	71.9550		18	
9.2930	0.72985	1.5168	4.3219	1.5169	7.0457	8.4247	72.0850		21	
9.2620	0.73620	1.5109	4.3619	1.5242	7.0933	8.4913	72.5474		22	
9.2090	0.73300	1.5115	4.3311	1.5176	7.0709	8.4607	72.2748		23	
9.1900	0.73420	1.5074	4.3142	1.5183	7.0880	8.4849	72.4801		24	
9.1863	0.73535	1.5089	4.3034	1.5207	7.1114	8.4957	72.4616		28	
9.1567	0.74005	1.5056	4.2187	1.5241	7.1065	8.4882	72.6458		29	
9.1878	0.73799	1.4990	4.2590	1.5171	7.0910	8.4685	72.5350		30	
9.1895	0.73395	1.4897	4.3117	1.5116	7.0608	8.4376	72.0215		31	
9.1696	0.73810	1.5153	4.4023	1.5172	7.1208	8.4464	72.6170	2016 Jan	4	
9.2235	0.73235	1.4982	4.3023	1.4976	7.0074	8.3297	71.5539		5	
9.2330	0.73440	1.5187	4.3331	1.5137	7.0388	8.3271	71.8242		6	
9.2780	0.74545	1.5550	4.4001	1.5360	7.1672	8.4259	72.7012		7	
9.2640	0.74519	1.5495	4.3685	1.5321	7.1577	8.4312	72.4206		8	
9.2720	0.74705	1.5516	4.3786	1.5336	7.1554	8.4471	72.7413		11	
9.2483	0.75080	1.5460	4.3704	1.5370	7.1276	8.4094	72.4603		12	
9.2460	0.75020	1.5413	4.3214	1.5381	7.1121	8.3922	72.3212		13	
9.2850	0.75703	1.5695	4.3730	1.5647	7.1809	8.4775	73.4516		14	
9.3474	0.76150	1.5895	4.4139	1.5849	7.1888	8.5057	73.9860		15	
9.3411	0.76263	1.5810	4.3929	1.5800	7.1658	8.4939	73.7266		18	
9.3231	0.76473	1.5673	4.3758	1.5750	7.1496	8.4841	73.4840		19	
9.3431	0.77000	1.5916	4.4559	1.5965	7.1768	8.5366	74.1627		20	
9.3527	0.77182	1.5755	4.5230	1.5750	7.1666	8.5181	74.0684		21	
9.2738	0.75459	1.5380	4.4550	1.5316	7.1104	8.4204	73.0945		22	
9.2758	0.75890	1.5496	4.4276	1.5351	7.1156	8.4304	73.2973		25	
9.2644	0.76095	1.5550	4.4465	1.5411	7.1314	8.4498	73.5797		26	
9.2591	0.75965	1.5461	4.3963	1.5331	7.1621	8.4861	74.0928		27	
9.3046	0.76228	1.5419	4.4753	1.5357	7.1705	8.4955	74.3857		28	
9.3483	0.76410	1.5388	4.4294	1.5363	7.1810	8.5101	74.1039		29	
9.2835	0.76100	1.5377	4.3511	1.5253	7.1605	8.4688	73.9100	Feb	1	
9.3437	0.75860	1.5475	4.3565	1.5292	7.1847	8.4996	74.2325		2	
9.3580	0.75330	1.5484	4.3280	1.5234	7.1916	8.5266	74.3900		3	
9.4036	0.76595	1.5546	4.3486	1.5366	7.3691	8.7277	75.8600		4	
9.4325	0.76975	1.5583	4.3454	1.5404	7.3624	8.7231	75.7857		5	
9.4307	0.77240	1.5726	4.3245	1.5487	7.2995	8.6481	75.5245		8	
9.5142	0.77945	1.6083	4.3741	1.5623	7.3924	8.7585	76.4549		9	
9.5162	0.77328	1.5848	4.3758	1.5601	7.4007	8.7686	76.3844		10	

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		
		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	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	4.5667	17.6320	1.6322	9.1755	
		24	14,618.17	4.1300	130.52	1,229.46	4.5192	17.6141	1.6368	9.2090	
		25	14,490.93	4.1098	129.94	1,211.88	4.4619	17.5204	1.6160	9.1810	
		26	14,609.48	4.1199	130.06	1,219.31	4.4952	17.5522	1.6144	9.1930	
		27	14,628.60	4.1130	129.75	1,221.76	4.5150	17.5099	1.6189	9.1885	
		30	14,645.43	4.0972	130.22	1,224.21	4.5067	17.5569	1.6120	9.1935	
	Dec		1	14,641.99	4.1114	130.57	1,229.00	4.4880	17.5080	1.5935	9.2015
			2	14,646.10	4.1137	130.70	1,234.96	4.4905	17.5353	1.5945	9.1405
			3	14,733.44	4.1291	131.58	1,240.24	4.5088	17.6658	1.6038	9.1740
			4	15,094.88	4.1816	134.08	1,268.29	4.6052	18.2499	1.6319	9.2495
			7	14,965.26	4.1678	133.40	1,264.00	4.5744	18.1229	1.6238	9.3265
			8	15,299.16	4.2278	133.64	1,287.02	4.6675	18.5495	1.6430	9.5675
			9	15,361.85	4.2494	134.04	1,293.16	4.6806	18.5713	1.6517	9.5370
			10	15,262.10	4.2310	132.97	1,287.37	4.6599	18.6731	1.6191	9.4370
			11	15,441.30	4.2287	133.02	1,300.93	4.7424	18.9987	1.6258	9.5385
		14	15,526.48	4.2379	132.54	1,304.72	4.8000	19.1214	1.6270	9.5695	
		15	15,423.14	4.2410	132.97	1,292.34	4.7295	18.9649	1.6186	9.4945	
		16	15,293.02	4.2410	133.18	1,285.09	4.7045	18.7228	1.6196	9.5555	
		17	15,204.89	4.2200	132.82	1,285.85	4.6780	18.3649	1.6078	9.5110	
		18	15,096.10	4.2210	131.60	1,280.16	4.6440	18.4429	1.6160	9.5000	
		21	15,015.75	4.2416	131.93	1,280.05	4.6679	18.6067	1.6114	9.5585	
		22	14,963.04	4.2700	132.42	1,283.30	4.7093	18.7405	1.6036	9.5430	
		23	14,913.86	4.2485	131.92	1,281.86	4.7061	18.7712	1.6117	9.5270	
	24	14,922.54	4.2574	131.83	1,279.40	4.6943	18.9109	1.6052	9.5120		
	28	14,967.37	4.2570	132.05	1,280.83	4.7119	18.9347	1.6019	9.5380		
	29	15,029.86	4.2540	131.88	1,282.17	4.7055	18.8429	1.5949	9.5115		
	30	15,081.33	4.2606	131.66	1,284.79	4.6887	18.8867	1.5959	9.6160		
	31	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145	1.5923	9.6030		
2016	Jan	4	15,194.63	4.2659	129.78	1,297.87	4.7363	18.9353	1.6146	9.6475	
		5	14,879.48	4.2144	127.88	1,277.02	4.6670	18.5798	1.6001	9.5880	
		6	14,988.90	4.2389	127.19	1,289.20	4.7388	18.7480	1.6166	9.6225	
		7	15,139.18	4.2700	127.74	1,306.87	4.7904	19.2176	1.6464	9.6975	
		8	15,111.30	4.2597	128.51	1,304.78	4.7615	19.3231	1.6450	9.6810	
		11	15,076.42	4.2827	128.33	1,309.12	4.7655	19.4182	1.6577	9.6770	
		12	14,965.60	4.2711	127.79	1,308.87	4.7830	19.2772	1.6547	9.6388	
		13	14,947.98	4.2635	127.74	1,301.18	4.7382	19.2779	1.6519	9.5588	
		14	15,155.06	4.2986	128.26	1,320.77	4.7855	19.5529	1.6903	9.6071	
		15	15,268.11	4.3125	127.80	1,328.97	4.8281	19.7876	1.7103	9.6085	
		18	15,163.45	4.3090	127.78	1,317.44	4.7887	19.8703	1.6862	9.6878	
		19	15,009.55	4.3025	128.12	1,306.89	4.7530	19.6912	1.6763	9.6209	
		20	15,228.20	4.3360	127.28	1,326.46	4.7936	20.0427	1.7134	9.6650	
		21	15,149.99	4.3277	127.43	1,321.64	4.7818	20.2120	1.6940	9.7033	
	22	14,952.60	4.2945	127.77	1,292.83	4.6308	20.0160	1.6606	9.4685		
	25	14,985.15	4.3031	128.07	1,293.53	4.6208	19.9970	1.6728	9.4585		
	26	15,004.76	4.3084	128.22	1,303.82	4.6335	20.1259	1.6777	9.4858		
	27	15,090.93	4.3252	128.91	1,308.94	4.6203	20.0040	1.6739	9.4508		
	28	15,116.22	4.3130	129.62	1,316.36	4.5772	19.9966	1.6874	9.4465		
	29	14,967.64	4.3084	132.25	1,318.60	4.5296	20.0054	1.6788	9.4845		
Feb		1	14,846.05	4.3000	131.99	1,310.43	4.5345	19.8811	1.6820	9.4160	
		2	14,945.11	4.3161	131.84	1,322.58	4.6020	20.0265	1.6839	9.5223	
		3	15,038.70	4.3320	130.58	1,329.87	4.6121	20.1098	1.6560	9.5138	
		4	15,269.96	4.3790	131.49	1,336.75	4.6125	20.3101	1.6678	9.5375	
		5	15,177.38	4.3415	130.71	1,333.89	4.6528	20.3988	1.6655	9.5665	
		8	15,178.82	4.3215	129.11	1,343.41	4.6462	20.7145	1.6802	9.5885	
		9	15,307.42	4.3655	129.07	1,356.24	4.6880	21.1922	1.7085	9.6705	
		10	15,136.73	4.3589	129.42	1,340.37	4.6398	21.0652	1.6916	9.6195	

* 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	
51.713	70.7262	1.5466	15.1851	1.0885	39.276	3.0950	1.1032	2015 Nov 2
51.495	69.5445	1.5363	15.2542	1.0869	39.048	3.1222	1.0976	3
51.170	68.3984	1.5286	15.1080	1.0813	38.776	3.1052	1.0935	4
51.047	68.8654	1.5310	15.1123	1.0833	38.702	3.1215	1.0883	5
50.981	69.2906	1.5314	15.1534	1.0830	38.660	3.1294	1.0864	6
50.819	69.4677	1.5350	15.3590	1.0815	38.724	3.1450	1.0776	9
50.600	69.0542	1.5234	15.3716	1.0765	38.485	3.1220	1.0711	10
50.475	69.0860	1.5236	15.2006	1.0783	38.446	3.0929	1.0716	11
50.475	70.9230	1.5246	15.2929	1.0769	38.528	3.0938	1.0726	12
50.722	71.7143	1.5305	15.4459	1.0786	38.643	3.0960	1.0764	13
50.644	70.7850	1.5253	15.4300	1.0791	38.565	3.0922	1.0723	16
50.339	69.8710	1.5175	15.1915	1.0806	38.365	3.0593	1.0670	17
50.341	69.3696	1.5185	15.1537	1.0838	38.392	3.0550	1.0666	18
50.259	69.4086	1.5129	15.1806	1.0893	38.324	3.0433	1.0687	19
50.231	69.3309	1.5093	14.8862	1.0844	38.199	3.0165	1.0688	20
50.129	69.6382	1.5080	14.9056	1.0848	38.133	3.0267	1.0631	23
50.145	70.4467	1.5074	14.9808	1.0832	38.141	3.0675	1.0651	24
49.834	69.7339	1.4888	14.9158	1.0820	37.809	3.0472	1.0586	25
50.013	69.9537	1.4944	15.0956	1.0868	37.949	3.0870	1.0612	26
49.921	69.9945	1.4927	15.1490	1.0900	37.972	3.0865	1.0580	27
49.921	69.9854	1.4940	15.2894	1.0903	37.926	3.0789	1.0579	30
50.009	70.7140	1.4947	15.3361	1.0908	37.953	3.0625	1.0600	Dec 1
50.034	71.0589	1.4960	15.2134	1.0880	38.004	3.0605	1.0612	2
50.269	72.2652	1.5010	15.2736	1.0840	38.263	3.0768	1.0671	3
51.327	73.6109	1.5216	15.7275	1.0882	39.081	3.1747	1.0902	4
50.880	74.6306	1.5191	15.6593	1.0830	38.761	3.1349	1.0809	7
51.339	75.9200	1.5363	15.9518	1.0820	39.116	3.1788	1.0875	8
51.641	75.9443	1.5383	15.9487	1.0830	39.333	3.1939	1.0941	9
51.688	75.3885	1.5338	16.7143	1.0806	39.422	3.1940	1.0943	10
51.960	76.3280	1.5436	17.3954	1.0819	39.519	3.2416	1.0950	11
52.127	77.9268	1.5490	16.8045	1.0771	39.674	3.2837	1.0983	14
52.057	77.4920	1.5457	16.4213	1.0831	39.427	3.2573	1.0990	15
51.754	76.8689	1.5407	16.4708	1.0824	39.431	3.2416	1.0933	16
51.434	76.5023	1.5351	16.2600	1.0807	39.125	3.1674	1.0841	17
51.253	77.1005	1.5300	16.2998	1.0768	39.175	3.1581	1.0836	18
51.388	77.4488	1.5307	16.4115	1.0804	39.262	3.1643	1.0870	21
51.789	77.8588	1.5379	16.5748	1.0818	39.504	3.2280	1.0952	22
51.597	77.1325	1.5366	16.6610	1.0812	39.363	3.2018	1.0916	23
51.504	76.9500	1.5396	16.6252	1.0806	39.442	3.1990	1.0947	24
51.566	78.8666	1.5436	16.7163	1.0838	39.604	3.1923	1.0962	28
51.514	79.4319	1.5467	16.7598	1.0846	39.518	3.1878	1.0952	29
51.281	79.7540	1.5449	16.8847	1.0814	39.334	3.1837	1.0926	30
50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	1.0887	31
51.393	79.6738	1.5533	16.9558	1.0891	39.407	3.2193	1.0898	2016 Jan 4
50.371	78.8620	1.5310	16.7643	1.0847	38.816	3.2009	1.0746	5
50.588	79.9893	1.5409	17.0032	1.0846	38.917	3.2315	1.0742	6
51.226	81.7776	1.5612	17.4987	1.0875	39.442	3.2791	1.0868	7
51.204	80.4134	1.5606	17.3870	1.0860	39.387	3.2491	1.0861	8
51.326	81.9975	1.5607	18.0474	1.0863	39.491	3.2872	1.0888	11
51.296	82.6895	1.5570	17.9737	1.0855	39.368	3.2842	1.0836	12
51.283	82.3098	1.5492	17.8353	1.0926	39.203	3.2626	1.0816	13
52.076	83.2007	1.5670	18.0475	1.0950	39.552	3.3025	1.0893	14
52.281	84.6924	1.5735	18.2254	1.0951	39.705	3.3208	1.0914	15
52.036	86.1920	1.5674	18.2882	1.0946	39.516	3.3102	1.0892	18
51.740	85.2445	1.5592	18.1115	1.0922	39.428	3.3030	1.0868	19
52.219	88.2005	1.5697	18.2896	1.0932	39.582	3.3307	1.0907	20
52.166	91.7660	1.5670	18.1453	1.0949	39.503	3.3098	1.0893	21
51.580	85.8930	1.5421	17.8143	1.0950	38.921	3.2572	1.0808	22
51.890	86.0410	1.5469	17.8580	1.0981	38.869	3.2660	1.0815	25
52.051	86.7725	1.5498	17.8881	1.1008	38.865	3.2699	1.0837	26
52.162	85.2106	1.5542	17.7803	1.1068	38.963	3.2560	1.0888	27
52.116	83.5018	1.5556	17.7785	1.1053	39.067	3.2485	1.0903	28
52.082	82.8472	1.5550	17.4927	1.1144	38.973	3.2365	1.0920	29
51.932	82.9655	1.5500	17.5019	1.1096	38.760	3.2269	1.0884	Feb 1
52.256	86.3711	1.5586	17.5788	1.1147	39.035	3.2237	1.0919	2
52.370	85.9910	1.5631	17.6950	1.1115	39.199	3.2138	1.0933	3
53.366	86.0790	1.5720	17.7670	1.1169	39.952	3.2500	1.1206	4
53.271	86.0050	1.5636	17.7584	1.1101	39.778	3.2498	1.1202	5
53.084	85.8419	1.5640	17.9885	1.1051	39.459	3.2721	1.1101	8
53.641	88.3952	1.5767	18.1960	1.0997	39.829	3.3154	1.1236	9
53.388	88.5600	1.5674	17.8379	1.0960	39.793	3.2945	1.1257	10

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
2011 Feb	1.9558	7.4149	24.277	7.4555	271.15	3.9264	4.2457	8.7882	0.84635	1.3543
Mar	1.9558	7.3915	24.393	7.4574	270.89	4.0145	4.1621	8.8864	0.86653	1.3854
Apr	1.9558	7.3639	24.301	7.4574	265.29	3.9694	4.1004	8.9702	0.88291	1.3662
May	1.9558	7.4052	24.381	7.4566	266.96	3.9404	4.1142	8.9571	0.87788	1.3437
June	1.9558	7.4065	24.286	7.4579	266.87	3.9702	4.1937	9.1125	0.88745	1.3567
July	1.9558	7.4316	24.335	7.4560	267.68	3.9951	4.2413	9.1340	0.88476	1.3249
Aug	1.9558	7.4620	24.273	7.4498	272.37	4.1195	4.2505	9.1655	0.87668	1.3651
Sep	1.9558	7.4936	24.556	7.4462	285.05	4.3379	4.2838	9.1343	0.87172	1.3458
Oct	1.9558	7.4849	24.841	7.4442	296.79	4.3516	4.3244	9.1138	0.87036	1.3525
Nov	1.9558	7.4923	25.464	7.4412	309.15	4.4324	4.3560	9.1387	0.85740	1.3414
Dec	1.9558	7.5136	25.514	7.4341	304.19	4.4774	4.3282	9.0184	0.84405	1.3003
2012 Jan	1.9558	7.5543	25.531	7.4353	307.33	4.3760	4.3417	8.8503	0.83210	1.2405
Feb	1.9558	7.5815	25.042	7.4341	290.68	4.1835	4.3513	8.8196	0.83696	1.2327
Mar	1.9558	7.5358	24.676	7.4354	292.26	4.1370	4.3668	8.8873	0.83448	1.2538
Apr	1.9558	7.4991	24.809	7.4393	294.81	4.1782	4.3789	8.8650	0.82188	1.2718
May	1.9558	7.5383	25.313	7.4335	293.67	4.2937	4.4412	8.9924	0.80371	1.2825
June	1.9558	7.5434	25.640	7.4325	293.57	4.2973	4.4626	8.8743	0.80579	1.2550
July	1.9558	7.5006	25.447	7.4384	286.28	4.1837	4.5549	8.5451	0.78827	1.1931
Aug	1.9558	7.4853	25.021	7.4454	278.93	4.0934	4.5176	8.2805	0.78884	1.1841
Sep	1.9558	7.4291	24.752	7.4539	284.22	4.1345	4.5022	8.4929	0.79821	1.2372
Oct	1.9558	7.5140	24.939	7.4582	282.09	4.1071	4.5624	8.6145	0.80665	1.2596
Nov	1.9558	7.5410	25.365	7.4587	282.26	4.1321	4.5273	8.6076	0.80389	1.2331
Dec	1.9558	7.5334	25.214	7.4604	285.79	4.0956	4.4899	8.6512	0.81237	1.2527
2013 Jan	1.9558	7.5746	25.563	7.4614	294.01	4.1424	4.3835	8.6217	0.83271	1.2658
Feb	1.9558	7.5868	25.475	7.4598	292.73	4.1700	4.3839	8.5083	0.86250	1.2951
Mar	1.9558	7.5909	25.659	7.4553	303.01	4.1565	4.3923	8.3470	0.85996	1.2537
Apr	1.9558	7.6076	25.841	7.4553	298.67	4.1359	4.3780	8.4449	0.85076	1.2539
May	1.9558	7.5684	25.888	7.4536	292.38	4.1799	4.3360	8.5725	0.84914	1.3133
June	1.9558	7.4901	25.759	7.4576	295.70	4.2839	4.4803	8.6836	0.85191	1.3978
July	1.9558	7.5061	25.944	7.4579	294.90	4.2745	4.4244	8.6609	0.86192	1.4279
Aug	1.9558	7.5372	25.818	7.4580	299.46	4.2299	4.4371	8.7034	0.85904	1.4742
Sep	1.9558	7.5985	25.789	7.4579	299.75	4.2371	4.4633	8.6758	0.84171	1.4379
Oct	1.9558	7.6193	25.662	7.4592	294.76	4.1902	4.4444	8.7479	0.84720	1.4328
Nov	1.9558	7.6326	26.927	7.4587	297.68	4.1887	4.4452	8.8802	0.83780	1.4473
Dec	1.9558	7.6365	27.521	7.4602	300.24	4.1760	4.4635	8.9597	0.83639	1.5243
2014 Jan	1.9558	7.6353	27.485	7.4614	302.48	4.1799	4.5205	8.8339	0.82674	1.5377
Feb	1.9558	7.6574	27.444	7.4622	310.20	4.1741	4.4918	8.8721	0.82510	1.5222
Mar	1.9558	7.6576	27.395	7.4638	311.49	4.1987	4.4933	8.8666	0.83170	1.5217
Apr	1.9558	7.6267	27.450	7.4656	307.37	4.1853	4.4620	9.0329	0.82520	1.4831
May	1.9558	7.5952	27.437	7.4641	304.58	4.1800	4.4237	9.0298	0.81535	1.4755
June	1.9558	7.5770	27.450	7.4588	305.87	4.1352	4.3930	9.0914	0.80409	1.4517
July	1.9558	7.6146	27.458	7.4564	309.81	4.1444	4.4098	9.2327	0.79310	1.4420
Aug	1.9558	7.6326	27.816	7.4551	313.91	4.1919	4.4252	9.1878	0.79730	1.4306
Sep	1.9558	7.6236	27.599	7.4449	313.20	4.1899	4.4095	9.1929	0.79113	1.4246
Oct	1.9558	7.6573	27.588	7.4448	307.85	4.2066	4.4153	9.1797	0.78861	1.4436
Nov	1.9558	7.6700	27.667	7.4415	306.89	4.2121	4.4288	9.2384	0.79054	1.4432
Dec	1.9558	7.6682	27.640	7.4402	310.83	4.2155	4.4583	9.4043	0.78830	1.4928
2015 Jan	1.9558	7.6883	27.895	7.4406	316.50	4.2783	4.4874	9.4167	0.76680	1.4390
Feb	1.9558	7.7114	27.608	7.4501	306.88	4.1760	4.4334	9.4901	0.74051	1.4568
Mar	1.9558	7.6467	27.379	7.4593	303.45	4.1259	4.4339	9.2449	0.72358	1.4008
Apr	1.9558	7.5896	27.439	7.4655	299.43	4.0180	4.4155	9.3254	0.72116	1.3939
May	1.9558	7.5591	27.397	7.4612	306.33	4.0811	4.4477	9.3037	0.72124	1.4123
June	1.9558	7.5719	27.307	7.4603	311.96	4.1586	4.4671	9.2722	0.72078	1.4530
July	1.9558	7.5863	27.094	7.4616	311.53	4.1524	4.4391	9.3860	0.70685	1.4844
Aug	1.9558	7.5578	27.041	7.4627	311.61	4.1953	4.4235	9.5155	0.71423	1.5269
Sep	1.9558	7.5890	27.089	7.4610	313.14	4.2176	4.4236	9.3924	0.73129	1.5900
Oct	1.9558	7.6208	27.105	7.4601	311.27	4.2508	4.4227	9.3485	0.73287	1.5586
Nov	1.9558	7.6074	27.039	7.4602	312.27	4.2494	4.4453	9.3133	0.70658	1.5011
Dec	1.9558	7.6397	27.027	7.4612	314.40	4.2900	4.5033	9.2451	0.72595	1.5009
2016 Jan	1.9558	7.6582	27.027	7.4619	314.68	4.4074	4.5311	9.2826	0.75459	1.5510

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

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

and non-European countries											
Brazil	Canada	China	Hong Kong	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia		
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Indian rupee INR	Indonesian rupiah IDR	New Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR		Period
2.2765	1.3484	8.9842	10.6312	62.0142	12,165.92	4.9939	112.77	1,524.99	4.1541		2011 Feb
2.3220	1.3672	9.1902	10.9093	62.9526	12,263.18	4.9867	114.40	1,568.05	4.2483		Mar
2.2889	1.3834	9.4274	11.2269	64.1128	12,493.48	4.9573	120.42	1,567.52	4.3502		Apr
2.3131	1.3885	9.3198	11.1551	64.4735	12,290.33	4.9740	116.47	1,555.99	4.3272		May
2.2850	1.4063	9.3161	11.2021	64.5200	12,327.02	4.9169	115.75	1,555.32	4.3585		June
2.2329	1.3638	9.2121	11.1104	63.3537	12,171.27	4.8801	113.26	1,510.29	4.2716		July
2.2888	1.4071	9.1857	11.1846	65.0717	12,249.95	5.0841	110.43	1,542.01	4.2822		Aug
2.3946	1.3794	8.7994	10.7333	65.5964	12,118.49	5.0788	105.75	1,544.04	4.2456		Sep
2.4336	1.3981	8.7308	10.6616	67.5519	12,150.54	5.0253	105.06	1,578.17	4.2963		Oct
2.4210	1.3897	8.6154	10.5495	68.8330	12,214.99	5.0521	105.02	1,537.42	4.2756		Nov
2.4175	1.3481	8.3563	10.2496	69.2066	11,965.40	4.9725	102.55	1,513.26	4.1639		Dec
2.3084	1.3073	8.1465	10.0187	66.0601	11,709.25	4.9141	99.33	1,474.96	4.0151		2012 Jan
2.2729	1.3193	8.3314	10.2553	65.0589	11,913.82	4.9474	103.77	1,485.58	3.9978		Feb
2.3674	1.3121	8.3326	10.2474	66.5399	12,082.50	4.9679	108.88	1,487.83	4.0229		Mar
2.4405	1.3068	8.2921	10.2163	68.1939	12,068.69	4.9362	107.00	1,495.40	4.0277		Apr
2.5357	1.2916	8.0806	9.9291	69.6407	11,913.51	4.8974	101.97	1,481.36	3.9688		May
2.5658	1.2874	7.9676	9.7192	70.1673	11,830.22	4.8763	99.26	1,458.61	3.9836		June
2.4914	1.2461	7.8288	9.5308	68.1061	11,605.16	4.9042	97.07	1,404.11	3.8914		July
2.5170	1.2315	7.8864	9.6177	68.8632	11,777.55	4.9779	97.58	1,403.93	3.8643		Aug
2.6066	1.2583	8.1273	9.9686	70.0452	12,287.93	5.0717	100.49	1,444.65	3.9599		Sep
2.6333	1.2801	8.1390	10.0574	68.8589	12,457.30	4.9976	102.47	1,435.37	3.9649		Oct
2.6512	1.2787	7.9998	9.9423	70.3250	12,343.83	4.9970	103.94	1,395.13	3.9230		Nov
2.7264	1.2984	8.1809	10.1679	71.6946	12,643.37	4.9570	109.71	1,411.41	4.0075		Dec
2.6993	1.3189	8.2698	10.3027	72.0716	12,837.99	4.9706	118.34	1,417.69	4.0413		2013 Jan
2.6354	1.3477	8.3282	10.3608	71.9342	12,933.75	4.9359	124.40	1,452.82	4.1403		Feb
2.5694	1.3285	8.0599	10.0588	70.5579	12,590.61	4.7769	122.99	1,430.31	4.0309		Mar
2.6060	1.3268	8.0564	10.1110	70.7738	12,664.51	4.7164	127.54	1,460.89	3.9686		Apr
2.6414	1.3257	7.9715	10.0766	71.4760	12,673.13	4.7223	131.13	1,444.56	3.9200		May
2.8613	1.3596	8.0905	10.2349	77.0284	13,033.31	4.7865	128.40	1,498.33	4.1488		June
2.9438	1.3619	8.0234	10.1455	78.1762	13,189.17	4.7153	130.39	1,473.35	4.1746		July
3.1170	1.3853	8.1477	10.3223	83.9480	14,168.72	4.7610	130.34	1,485.93	4.3631		Aug
3.0345	1.3817	8.1690	10.3504	85.2678	15,073.16	4.7636	132.41	1,446.60	4.3410		Sep
2.9860	1.4128	8.3226	10.5724	84.0071	15,109.54	4.8232	133.32	1,454.73	4.3283		Oct
3.0959	1.4145	8.2221	10.4604	84.4990	15,575.06	4.7711	134.97	1,434.06	4.3176		Nov
3.2133	1.4580	8.3248	10.6254	84.7631	16,455.73	4.8019	141.68	1,446.99	4.4517		Dec
3.2437	1.4884	8.2368	10.5586	84.5099	16,471.94	4.7569	141.47	1,453.94	4.5005		2014 Jan
3.2581	1.5094	8.3062	10.6012	84.9503	16,270.18	4.8043	139.35	1,462.51	4.5194		Feb
3.2187	1.5352	8.5332	10.7283	84.2990	15,785.89	4.8087	141.48	1,479.99	4.5361		Mar
3.0864	1.5181	8.5984	10.7107	83.3624	15,801.66	4.8010	141.62	1,441.28	4.4989		Apr
3.0512	1.4951	8.5658	10.6456	81.4318	15,830.12	4.7600	139.74	1,407.13	4.4337		May
3.0388	1.4728	8.4698	10.5365	81.2046	16,167.87	4.6966	138.72	1,385.45	4.3760		June
3.0109	1.4524	8.3940	10.4935	81.3058	15,789.65	4.6325	137.72	1,382.29	4.3100		July
3.0219	1.4548	8.1965	10.3207	81.0709	15,603.10	4.6569	137.11	1,364.17	4.2310		Aug
3.0089	1.4196	7.9207	10.0019	78.5676	15,362.85	4.6896	138.39	1,336.02	4.1522		Sep
3.1018	1.4214	7.7635	9.8309	77.7896	15,389.80	4.7249	136.85	1,345.25	4.1436		Oct
3.1829	1.4136	7.6411	9.6716	76.9566	15,177.15	4.7783	145.03	1,370.36	4.1747		Nov
3.2499	1.4216	7.6330	9.5626	77.3781	15,351.19	4.8503	147.06	1,359.97	4.2903		Dec
3.0639	1.4039	7.2269	9.0102	72.2141	14,617.69	4.5856	137.47	1,266.19	4.1648		2015 Jan
3.1977	1.4199	7.0960	8.8020	70.4356	14,504.28	4.4192	134.69	1,250.50	4.0822		Feb
3.3997	1.3661	6.7623	8.4081	67.7387	14,152.16	4.3325	130.41	1,205.92	3.9889		Mar
3.2800	1.3313	6.6863	8.3550	67.6432	13,950.49	4.2456	128.94	1,170.32	3.9118		Apr
3.4105	1.3568	6.9165	8.6436	71.1153	14,650.36	4.3086	134.75	1,220.20	4.0191		May
3.4941	1.3854	6.9587	8.6935	71.5873	14,919.43	4.2891	138.74	1,248.79	4.1949		June
3.5405	1.4124	6.8269	8.5236	69.9960	14,720.40	4.1679	135.68	1,260.75	4.1824		July
3.9118	1.4637	7.0626	8.6358	72.5361	15,370.92	4.2836	137.12	1,313.48	4.5297		Aug
4.3666	1.4882	7.1462	8.6966	74.2990	16,175.76	4.3917	134.85	1,329.94	4.8286		Sep
4.3599	1.4685	7.1346	8.7073	73.1116	15,482.55	4.3414	134.84	1,286.06	4.7818		Oct
4.0601	1.4248	6.8398	8.3211	71.0406	14,685.99	4.1760	131.60	1,239.19	4.6328		Nov
4.2145	1.4904	7.0193	8.4307	72.3851	15,087.43	4.2199	132.36	1,277.56	4.6615		Dec
4.4021	1.5447	7.1393	8.4509	73.2036	15,069.76	4.2903	128.32	1,307.56	4.7162		2016 Jan

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
2011 Feb	16.4727	1.7925	7.8206	59.558	39.9469	1.7421	9.8126	1.2974	41.918	2.1702	1.3649
Mar	16.8063	1.8877	7.8295	60.870	39.8061	1.7757	9.6862	1.2867	42.506	2.2108	1.3999
Apr	16.9211	1.8331	7.8065	62.361	40.5363	1.8024	9.7200	1.2977	43.434	2.1975	1.4442
May	16.7177	1.8024	7.8384	61.953	40.0573	1.7763	9.8461	1.2537	43.398	2.2603	1.4349
June	16.9931	1.7666	7.8302	62.468	40.2670	1.7763	9.7807	1.2092	43.923	2.3077	1.4388
July	16.6491	1.6877	7.7829	60.961	39.8343	1.7359	9.7000	1.1766	42.949	2.3654	1.4264
Aug	17.5456	1.7108	7.7882	60.836	41.2954	1.7340	10.1532	1.1203	42.875	2.5147	1.4343
Sep	17.9370	1.6932	7.7243	59.322	42.3239	1.7229	10.3956	1.2005	41.902	2.4736	1.3770
Oct	18.4315	1.7361	7.7474	59.412	42.8569	1.7493	10.9188	1.2295	42.297	2.5089	1.3706
Nov	18.5646	1.7584	7.7868	58.743	41.8082	1.7476	11.0547	1.2307	41.969	2.4565	1.3556
Dec	18.1174	1.7102	7.7451	57.537	41.5686	1.7070	10.7829	1.2276	41.099	2.4632	1.3179
2012 Jan	17.3140	1.6132	7.6752	56.208	40.4394	1.6510	10.3405	1.2108	40.718	2.3759	1.2905
Feb	16.9159	1.5845	7.5522	56.419	39.4232	1.6585	10.1289	1.2071	40.614	2.3264	1.3224
Mar	16.8239	1.6104	7.5315	56.634	38.7804	1.6624	10.0475	1.2061	40.557	2.3631	1.3201
Apr	17.1900	1.6095	7.5698	56.145	38.8087	1.6459	10.3060	1.2023	40.639	2.3520	1.3162
May	17.4237	1.6538	7.5655	54.908	39.5585	1.6152	10.4412	1.2012	40.077	2.3149	1.2789
June	17.4529	1.6062	7.5401	53.510	41.1766	1.6016	10.5050	1.2011	39.640	2.2837	1.2526
July	16.4263	1.5390	7.4579	51.452	39.9467	1.5494	10.1379	1.2011	38.873	2.2281	1.2288
Aug	16.3600	1.5306	7.3239	52.173	39.6334	1.5480	10.2585	1.2011	38.974	2.2291	1.2400
Sep	16.6413	1.5721	7.3945	53.629	40.4006	1.5837	10.6512	1.2089	39.842	2.3177	1.2856
Oct	16.7207	1.5817	7.4076	53.691	40.3558	1.5879	11.2215	1.2098	39.811	2.3384	1.2974
Nov	16.7689	1.5660	7.3371	52.716	40.2505	1.5695	11.2986	1.2052	39.391	2.3010	1.2828
Dec	16.8664	1.5777	7.3503	53.796	40.3114	1.6009	11.3179	1.2091	40.187	2.3439	1.3119
2013 Jan	16.8760	1.5877	7.3821	54.105	40.1847	1.6326	11.6957	1.2288	39.924	2.3543	1.3288
Feb	16.9872	1.5929	7.4232	54.355	40.3342	1.6546	11.8796	1.2298	39.839	2.3738	1.3359
Mar	16.2322	1.5657	7.4863	52.813	39.9332	1.6164	11.9169	1.2266	38.264	2.3453	1.2964
Apr	15.8895	1.5348	7.5444	53.649	40.7995	1.6120	11.8592	1.2199	37.857	2.3406	1.3026
May	15.9776	1.5774	7.5589	53.693	40.6842	1.6219	12.1798	1.2418	38.667	2.3739	1.2982
June	17.0716	1.6682	7.7394	56.658	42.6490	1.6613	13.2088	1.2322	40.664	2.5028	1.3189
July	16.6893	1.6590	7.8837	56.698	42.8590	1.6595	12.9674	1.2366	40.714	2.5274	1.3080
Aug	17.1996	1.6829	7.9386	58.471	43.9748	1.6941	13.4190	1.2338	42.072	2.6125	1.3310
Sep	17.4471	1.6406	7.9725	58.346	43.5144	1.6860	13.3287	1.2338	42.312	2.6952	1.3348
Oct	17.7413	1.6351	8.1208	58.809	43.7440	1.6956	13.5283	1.2316	42.549	2.7095	1.3635
Nov	17.6340	1.6327	8.2055	58.811	44.1581	1.6833	13.7626	1.2316	42.695	2.7316	1.3493
Dec	17.8278	1.6659	8.4053	60.552	45.0628	1.7244	14.2234	1.2245	44.323	2.8276	1.3704
2014 Jan	17.9964	1.6450	8.3927	61.263	46.0304	1.7327	14.8242	1.2317	44.822	3.0297	1.3610
Feb	18.1561	1.6466	8.3562	61.238	48.2554	1.7295	14.9820	1.2212	44.568	3.0184	1.3659
Mar	18.2447	1.6199	8.2906	61.901	49.9477	1.7513	14.8613	1.2177	44.765	3.0629	1.3823
Apr	18.0485	1.6049	8.2506	61.646	49.2978	1.7345	14.5815	1.2189	44.657	2.9393	1.3813
May	17.7620	1.5957	8.1513	60.258	47.8403	1.7189	14.2995	1.2204	44.686	2.8736	1.3732
June	17.6516	1.5769	8.2149	59.543	46.7509	1.7008	14.5094	1.2181	44.195	2.8808	1.3592
July	17.5834	1.5578	8.3880	58.844	46.9984	1.6825	14.4366	1.2150	43.470	2.8699	1.3539
Aug	17.5051	1.5783	8.2522	58.320	48.1781	1.6622	14.2052	1.2118	42.644	2.8784	1.3316
Sep	17.0717	1.5841	8.1798	57.033	49.0519	1.6295	14.1578	1.2076	41.536	2.8543	1.2901
Oct	17.0713	1.6090	8.3136	56.807	51.9380	1.6154	14.0266	1.2078	41.139	2.8577	1.2673
Nov	16.9850	1.5928	8.4912	56.101	57.5193	1.6173	13.8359	1.2027	40.908	2.7885	1.2472
Dec	17.8692	1.5874	8.9802	55.092	70.3269	1.6213	14.1582	1.2026	40.564	2.8304	1.2331
2015 Jan	17.0782	1.5213	8.9320	51.791	75.0459	1.5545	13.4598	1.0940	38.056	2.7153	1.1621
Feb	16.9310	1.5236	8.6188	50.174	73.0742	1.5382	13.1532	1.0618	36.963	2.7958	1.1350
Mar	16.4941	1.4506	8.6434	48.227	65.1401	1.4913	13.0756	1.0608	35.355	2.8077	1.0838
Apr	16.4288	1.4217	8.5057	47.863	56.7415	1.4539	12.9588	1.0379	35.072	2.8743	1.0779
May	17.0378	1.5112	8.4103	49.741	56.3735	1.4882	13.3506	1.0391	37.408	2.9491	1.1150
June	17.3467	1.6046	8.7550	50.508	61.2390	1.5091	13.7965	1.0455	37.818	3.0299	1.1213
July	17.5297	1.6542	8.9357	49.814	63.2077	1.4972	13.6973	1.0492	37.760	2.9705	1.0996
Aug	18.4333	1.7001	9.1815	51.536	73.3597	1.5573	14.3821	1.0777	39.465	3.1826	1.1139
Sep	18.8821	1.7714	9.3075	52.456	74.8040	1.5879	15.3065	1.0913	40.426	3.3835	1.1221
Oct	18.6216	1.6794	9.2892	52.070	70.9490	1.5731	15.1579	1.0882	40.092	3.2887	1.1235
Nov	17.8605	1.6365	9.2572	50.537	69.7899	1.5181	15.1743	1.0833	38.432	3.0849	1.0736
Dec	18.5500	1.6133	9.4642	51.337	76.3576	1.5321	16.3210	1.0827	39.162	3.1800	1.0877
2016 Jan	19.6039	1.6654	9.5899	51.654	83.8638	1.5561	17.7592	1.0941	39.249	3.2713	1.0860

* 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 ...

EU member countries									
Period	Bulgaria Bulgarian lev BGN	Croatia Kuna HRK 1	Cyprus Cyprus pound CYP 2	Czech Republic Czech koruna CZK	Denmark Danish krone DKK	Estonia Estonian kroon EEK 2	Hungary Hungarian forint HUF	Latvia Latvian lats LVL 2	Lithuania Lithuanian litas LTL 2
End of year									
2002	1.9546	7.4750	0.57316	31.577	7.4288	15.6466	236.29	0.6140	3.4525
2003	1.9557	7.6451	0.58637	32.410	7.4450	15.6466	262.50	0.6725	3.4524
2004	1.9559	7.6650	0.58000	30.464	7.4388	15.6466	245.97	0.6979	3.4528
2005	1.9563	7.3715	0.57350	29.000	7.4605	15.6466	252.87	0.6962	3.4528
2006	1.9558	7.3504	0.57820	27.485	7.4560	15.6466	251.77	0.6972	3.4528
2007	1.9558	7.3308	0.585274	26.628	7.4583	15.6466	253.73	0.6964	3.4528
2008	1.9558	7.3555	–	26.875	7.4506	15.6466	266.70	0.7083	3.4528
2009	1.9558	7.3000	–	26.473	7.4418	15.6466	270.42	0.7093	3.4528
2010	1.9558	7.3830	–	25.061	7.4535	15.6466	277.95	0.7094	3.4528
2011	1.9558	7.5370	–	25.787	7.4342	–	314.58	0.6995	3.4528
2012	1.9558	7.5575	–	25.151	7.4610	–	292.30	0.6977	3.4528
2013	1.9558	7.6265	–	27.427	7.4593	–	297.04	0.702804	3.4528
2014	1.9558	7.6580	–	27.735	7.4453	–	315.54	–	3.4528
2015	1.9558	7.6380	–	27.023	7.4626	–	315.98	–	–
Annual averages +									
2002	1.9492	7.4130	0.57530	30.804	7.4305	15.6466	242.96	0.5810	3.4594
2003	1.9490	7.5688	0.58409	31.846	7.4307	15.6466	253.62	0.6407	3.4527
2004	1.9533	7.4967	0.58185	31.891	7.4399	15.6466	251.66	0.6652	3.4529
2005	1.9558	7.4008	0.57683	29.782	7.4518	15.6466	248.05	0.6962	3.4528
2006	1.9558	7.3247	0.57578	28.342	7.4591	15.6466	264.26	0.6962	3.4528
2007	1.9558	7.3376	0.58263	27.766	7.4506	15.6466	251.35	0.7001	3.4528
2008	1.9558	7.2239	–	24.946	7.4560	15.6466	251.51	0.7027	3.4528
2009	1.9558	7.3400	–	26.435	7.4462	15.6466	280.33	0.7057	3.4528
2010	1.9558	7.2891	–	25.284	7.4473	15.6466	275.48	0.7087	3.4528
2011	1.9558	7.4390	–	24.590	7.4506	–	279.37	0.7063	3.4528
2012	1.9558	7.5217	–	25.149	7.4437	–	289.25	0.6973	3.4528
2013	1.9558	7.5786	–	25.980	7.4579	–	296.87	0.7015	3.4528
2014	1.9558	7.6344	–	27.536	7.4548	–	308.71	–	3.4528
2015	1.9558	7.6137	–	27.279	7.4587	–	310.00	–	–

EU member countries (cont'd)							Other European and non-European countries				
Malta	Poland	Romania	Slovakia	Slovenia	Sweden	United Kingdom	Australia	Brazil	Canada		
Maltese lira MTL 2	Polish zloty PLN	Romanian leu (old)/(new) ROL/RON 3	Slovak koruna SKK 2	Slovenian tolar SIT 2	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD	Brazilian real BRL 4	Canadian dollar CAD		
End of year											
2002	0.4182	4.0210	35,135	41.503	230.1577	9.1528	0.65050	1.8556	3.7124	1.6550	
2003	0.4317	4.7019	41,158	41.170	236.7000	9.0800	0.70480	1.6802	3.6698	1.6234	
2004	0.4343	4.0845	39,390	38.745	239.7600	9.0206	0.70500	1.7459	3.6201	1.6416	
2005	0.4293	3.8600	3	3.6802	37.880	239.5000	9.3885	0.68530	1.6109	2.7462	1.3725
2006	0.4293	3.8310	3.3835	34.435	239.6400	9.0404	0.67150	1.6691	2.8141	1.5281	
2007	0.4293	3.5935	3.6077	33.583	–	9.4415	0.73335	1.6757	2.5914	1.4449	
2008	–	4.1535	4.0225	30.126	–	10.8700	0.95250	2.0274	3.2436	1.6998	
2009	–	4.1045	4.2363	–	–	10.2520	0.88810	1.6008	2.5113	1.5128	
2010	–	3.9750	4.2620	–	–	8.9655	0.86075	1.3136	2.2177	1.3322	
2011	–	4.4580	4.3233	–	–	8.9120	0.83530	1.2723	2.4159	1.3215	
2012	–	4.0740	4.4445	–	–	8.5820	0.81610	1.2712	2.7036	1.3137	
2013	–	4.1543	4.4710	–	–	8.8591	0.83370	1.5423	3.2576	1.4671	
2014	–	4.2732	4.4828	–	–	9.3930	0.77890	1.4829	3.2207	1.4063	
2015	–	4.2639	4.5240	–	–	9.1895	0.73395	1.4897	4.3117	1.5116	
Annual averages +											
2002	0.4089	3.8574	31,270	42.694	225.9772	9.1611	0.62883	1.7376	2.7896	1.4838	
2003	0.4261	4.3996	37,551	41.489	233.8493	9.1242	0.69199	1.7379	3.4701	1.5817	
2004	0.4280	4.5268	40,510	40.022	239.0874	9.1243	0.67866	1.6905	3.6362	1.6167	
2005	0.4299	4.0230	3	3.6209	38.599	239.5681	9.2822	0.68380	1.6320	3.0360	1.5087
2006	0.4293	3.8959	3.5258	37.234	239.5961	9.2544	0.68173	1.6668	2.7333	1.4237	
2007	0.4293	3.7837	3.3353	33.775	–	9.2501	0.68434	1.6348	2.6633	1.4678	
2008	–	3.5121	3.6826	31.262	–	9.6152	0.79628	1.7416	2.6737	1.5594	
2009	–	4.3276	4.2399	–	–	10.6191	0.89094	1.7727	2.7674	1.5850	
2010	–	3.9947	4.2122	–	–	9.5373	0.85784	1.4423	2.3314	1.3651	
2011	–	4.1206	4.2391	–	–	9.0298	0.86788	1.3484	2.3265	1.3761	
2012	–	4.1847	4.4593	–	–	8.7041	0.81087	1.2407	2.5084	1.2842	
2013	–	4.1975	4.4190	–	–	8.6515	0.84926	1.3777	2.8687	1.3684	
2014	–	4.1843	4.4437	–	–	9.0985	0.80612	1.4719	3.1211	1.4661	
2015	–	4.1841	4.4454	–	–	9.3535	0.72584	1.4777	3.7004	1.4186	

* See Explanatory notes, p 59. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Up to March 2005, ECB indicative rates. 2 Accession to the euro area, see p 7 (Table I 1). 3 Currency conversion effective from 1 July 2005: ROL 10,000 = RON 1; to calculate

the annual average for 2005, the rates set in (old) Romanian lei were converted at a rate of 10,000:1 and included in the calculation. 4 Up to December 2007, ECB indicative rates.

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

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

EUR 1 = CU ...

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	Icelandic krona ISK ²	Indian rupee INR ³	Indonesian rupiah IDR ¹	New Israeli shekel ILS ⁴	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR ¹	Mexican peso MXN ⁵
End of year										
2002	8.6801	8.1781	84.74	50.2930	9,387.21	4.9708	124.39	1,243.76	3.9857	10.9605
2003	10.4539	9.8049	89.46	57.5780	10,643.10	5.5424	135.05	1,506.32	4.8019	14.1807
2004	11.2741	10.5881	83.60	59.2590	12,653.91	5.8922	139.65	1,410.05	5.1802	15.2235
2005	9.5204	9.1474	74.57	53.1130	11,596.45	5.4334	138.90	1,184.42	4.4584	12.5945
2006	10.2793	10.2409	93.13	58.2180	11,844.44	5.5677	156.93	1,224.81	4.6490	14.2899
2007	10.7524	11.4800	91.90	57.8620	13,826.70	5.6539	164.93	1,377.96	4.8682	16.0732
2008	9.4956	10.7858	² –	67.4370	15,239.12	5.2919	126.14	1,839.13	4.8048	19.2333
2009	9.8350	11.1709	–	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223
2010	8.8220	10.3856	–	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475
2011	8.1588	10.0510	–	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512
2012	8.2207	10.2260	–	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845
2013	8.3491	10.6933	–	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731
2014	7.5358	9.4170	–	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679
2015	7.0608	8.4376	–	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145
Annual averages +										
2002	7.8265	7.3750	86.18	45.9248	8,785.12	4.4800	118.06	1,175.50	3.5933	9.1628
2003	9.3626	8.8079	86.65	52.6100	9,685.54	5.1340	130.97	1,346.90	4.2983	12.2144
2004	10.2967	9.6881	87.14	56.3008	11,127.34	5.5706	134.44	1,422.62	4.7273	14.0386
2005	10.1955	9.6768	78.23	54.8117	12,072.83	5.5807	136.85	1,273.61	4.7119	13.5643
2006	10.0096	9.7545	87.76	56.8435	11,512.37	5.5920	146.02	1,198.58	4.6044	13.6936
2007	10.4178	10.6912	87.63	56.4186	12,528.33	5.6278	161.25	1,272.99	4.7076	14.9743
2008	10.2236	11.4541	² 143.83	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	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641
2014	8.1857	10.3025	–	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550
2015	6.9733	8.6014	–	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157

Other European and non-European countries (cont'd)										
	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
Period	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP ¹	Russian rouble RUB ¹	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB ¹	Turkish lira / New Turkish lira TRL / TRY ⁶	US dollar USD
End of year										
2002	1.9975	7.2756	56.318	33.5108	1.8199	9.0094	1.4524	45.237	1,738,000	1.0487
2003	1.9244	8.4141	70.171	36.9555	2.1450	8.3276	1.5579	50.041	1,771,638	1.2630
2004	1.8871	8.2365	76.510	37.7879	2.2262	7.6897	1.5429	53.042	1,836,200	1.3621
2005	1.7270	7.9850	62.719	33.9200	1.9628	7.4642	1.5551	48.437	⁶ 1,5924	1.1797
2006	1.8725	8.2380	64.546	34.6800	2.0202	9.2124	1.6069	46.770	1,8640	1.3170
2007	1.9024	7.9580	60.724	35.9860	2.1163	10.0298	1.6547	43.800	1,7170	1.4721
2008	2.4191	9.7500	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2,1488	1.3917
2009	1.9803	8.3000	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2,1547	1.4406
2010	1.7200	7.8000	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2,0694	1.3362
2011	1.6737	7.7540	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2,4432	1.2939
2012	1.6045	7.3483	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2,3551	1.3194
2013	1.6762	8.3630	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2,9605	1.3791
2014	1.5525	9.0420	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2,8320	1.2141
2015	1.5923	9.6030	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3,1765	1.0887
Annual averages +										
2002	2.0366	7.5086	48.837	29.7028	1.6912	9.9072	1.4670	40.637	1,439,680	0.9456
2003	1.9438	8.0033	61.336	34.6699	1.9703	8.5317	1.5212	46.923	1,694,851	1.1312
2004	1.8731	8.3697	69.727	35.8192	2.1016	8.0092	1.5438	50.077	1,777,052	1.2439
2005	1.7660	8.0092	68.494	35.1884	2.0702	7.9183	1.5483	50.068	⁶ 1,6771	1.2441
2006	1.9373	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1,8090	1.2556
2007	1.8627	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1,7865	1.3705
2008	2.0770	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1,9064	1.4708
2009	2.2121	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2,1631	1.3948
2010	1.8377	8.0043	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1,9965	1.3257
2011	1.7600	7.7934	60.260	40.8846	1.6819	10.0970	1.2326	42.429	2,3378	1.3920
2012	1.5867	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2,3135	1.2848
2013	1.6206	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2,5335	1.3281
2014	1.5995	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2,9065	1.3285
2015	1.5930	8.9496	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3,0255	1.1095

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

2008, ECB indicative rates. ⁴ Up to December 2010, ECB indicative rates. ⁵ Up to December 2007, ECB indicative rates. ⁶ Currency conversion effective from 1 January 2005: 1,000,000 Turkish lira (TRL) = 1 New Turkish lira (TRY), designated as Turkish lira (TRY) since 1 January 2009.

II Euro foreign exchange reference rates of the European Central Bank

4 Exchange rates of major currencies



¹ Last monthly average: January 2016. ² Last updated: 10 February 2016.

III Effective exchange rates of the euro *

1 Annual and monthly averages

1999 Q1 = 100

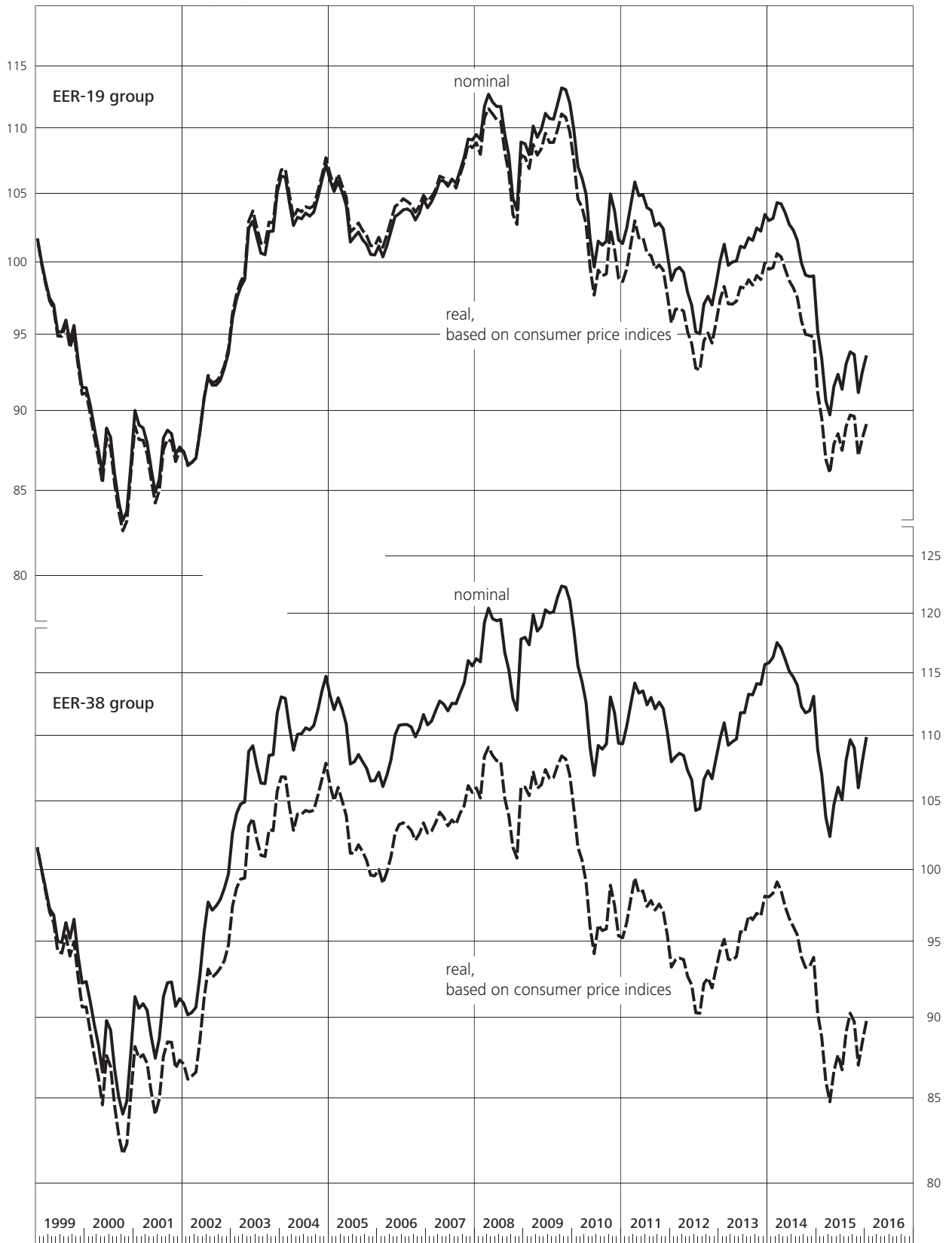
Period	Effective exchange rate of the euro ¹				<i>Memo item</i> Indicators of the German economy's price competitiveness based on consumer price indices					
	EER-19		EER-38		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based on consumer price indices	Nominal	Real, based 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	91.6	90.4	
2014	101.8	97.9	114.7	96.1	98.5	93.6	106.3	91.8	91.0	
2015	92.4	p 88.4	106.5	p 87.9	p 94.7	p 93.6	p 95.9	p 86.9	p 86.5	
2012 Jan	98.7	95.8	107.9	93.3	96.1	93.4	100.0	90.3	89.0	
Feb	99.4	96.7	108.3	93.8	96.7	93.5	101.5	90.8	89.3	
Mar	99.6	96.8	108.6	93.9	96.9	93.4	102.1	90.8	89.3	
Apr	99.3	96.6	108.4	93.8	96.7	93.4	101.5	90.7	89.2	
May	97.9	95.1	107.3	92.7	95.9	93.4	99.5	89.9	88.5	
June	97.0	94.4	106.6	92.1	95.6	93.4	98.7	89.5	88.2	
July	95.2	92.7	104.3	90.3	94.9	93.2	96.9	88.6	87.1	
Aug	95.0	92.6	104.4	90.3	94.9	93.2	97.1	88.5	87.0	
Sep	97.0	94.6	106.6	92.2	95.7	93.2	99.2	89.5	88.2	
Oct	97.6	95.1	107.3	92.6	95.8	93.0	99.9	89.6	88.2	
Nov	97.0	94.4	106.7	91.9	95.8	93.0	99.7	89.3	87.9	
Dec	98.4	95.8	108.2	93.2	96.5	93.0	101.5	90.0	88.6	
2013 Jan	100.1	97.4	109.8	94.4	97.5	93.2	104.2	91.1	89.5	
Feb	101.3	98.3	111.0	95.1	98.0	93.1	105.7	91.5	89.9	
Mar	99.8	97.1	109.2	93.8	97.6	93.1	104.5	90.9	89.1	
Apr	100.0	97.0	109.5	93.7	97.9	93.3	105.1	91.1	89.3	
May	100.1	97.2	109.7	94.0	98.1	93.3	105.7	91.1	89.4	
June	101.1	98.2	111.8	95.7	98.4	93.4	106.3	91.7	90.5	
July	101.0	98.2	111.8	95.6	98.6	93.5	106.7	91.8	90.5	
Aug	101.7	98.8	113.3	96.7	98.6	93.3	107.0	91.9	91.0	
Sep	101.6	98.4	113.2	96.5	98.6	93.4	106.8	91.8	90.9	
Oct	102.5	99.0	114.1	96.9	98.9	93.3	107.6	92.1	91.1	
Nov	102.2	98.8	114.1	96.7	98.9	93.5	107.4	92.1	91.2	
Dec	103.4	100.0	115.7	98.1	99.4	93.5	108.8	92.8	92.0	
2014 Jan	103.0	99.5	115.8	98.1	99.2	93.5	108.3	92.5	92.0	
Feb	103.2	99.6	116.3	98.3	98.9	93.4	107.9	92.5	92.0	
Mar	104.3	100.6	117.5	99.1	99.3	93.4	108.7	93.1	92.5	
Apr	104.2	100.4	117.0	98.5	99.2	93.5	108.3	93.0	92.3	
May	103.6	99.5	116.1	97.4	98.8	93.5	107.3	92.6	91.6	
June	102.7	98.7	115.1	96.6	98.7	93.7	106.6	92.3	91.3	
July	102.3	98.2	114.7	96.0	98.7	93.8	106.3	92.2	91.1	
Aug	101.5	97.5	114.0	95.4	98.4	93.8	105.6	91.8	90.8	
Sep	99.9	95.9	112.3	93.9	98.1	93.9	104.6	91.1	90.0	
Oct	99.1	95.0	111.8	93.2	97.6	93.7	103.5	90.4	89.5	
Nov	99.0	94.9	111.9	93.3	97.8	93.7	104.0	90.4	89.6	
Dec	99.0	94.8	113.1	93.9	97.7	93.6	103.9	90.3	89.9	
2015 Jan	95.2	91.1	108.9	p 90.2	95.7	93.5	98.6	88.2	p 87.6	
Feb	93.3	89.5	107.0	p 88.7	95.2	93.6	97.0	87.4	p 86.8	
Mar	90.6	86.9	103.8	p 86.0	94.2	93.6	94.5	86.1	p 85.3	
Apr	89.7	86.1	102.4	p 84.8	94.1	93.7	94.0	85.7	p 84.7	
May	91.6	87.9	104.7	p 86.6	94.5	93.6	95.5	86.6	p 85.6	
June	92.3	88.5	106.0	p 87.6	94.7	93.5	96.1	86.9	p 86.2	
July	91.3	87.5	105.1	p 86.7	94.4	93.6	95.0	86.4	p 85.7	
Aug	93.0	89.0	108.1	p 89.1	94.9	93.6	96.4	87.2	p 87.1	
Sep	93.8	89.7	109.6	p 90.3	95.2	93.6	97.1	87.6	p 87.8	
Oct	93.6	p 89.6	109.0	p 89.7	95.1	93.6	97.0	p 87.6	p 87.5	
Nov	91.1	p 87.1	106.0	p 87.0	94.2	93.6	94.4	p 86.3	p 86.0	
Dec	92.5	p 88.2	108.0	p 88.4	p 94.8	p 93.8	p 95.7	p 87.1	p 87.1	
2016 Jan	93.6	p 89.1	109.9	p 89.8	p 95.1	p 93.9	p 96.4	p 87.7	p 87.9	

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

III Effective exchange rates of the euro *

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

1999 Q1 = 100, monthly averages, log scale



* Source: ECB.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month			
					November 2015	December 2015	January 2016	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 61.7100	AFN 66.5400	AFN 68.3200	AFN 68.6200	
		S	USD 1 =	AFN 61.8100	AFN 66.6400	AFN 68.4200	AFN 68.7200	
	AFN	B	EUR 1 =	AFN 67.8475	AFN 70.1400	AFN 74.3500	AFN 74.0500	
		S	EUR 1 =	AFN 68.1075	AFN 70.4000	AFN 74.6100	AFN 74.3100	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 126.18	ALL 130.35	ALL 125.79	ALL 127.06
M			EUR 1 =	ALL 139.77	ALL 138.15	ALL 137.28	ALL 138.68	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 100.8401	DZD 108.4883	DZD 107.0865	DZD 107.2658	
		S	USD 1 =	DZD 100.8551	DZD 108.5033	DZD 107.1015	DZD 107.2808	
	DZD	B	EUR 1 =	DZD 111.6833	DZD 114.6287	DZD 117.0884	DZD 117.0377	
		S	EUR 1 =	DZD 111.7210	DZD 114.6880	DZD 117.1369	DZD 117.0755	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 120.413	AOA 134.639	AOA 134.642	AOA 154.842 ¹	
		S	USD 1 =	AOA 121.617	AOA 135.985	AOA 135.988	AOA 156.390 ¹	
	AOA	B	EUR 1 =	AOA 132.888	AOA 142.879	AOA 147.110	AOA 168.964 ¹	
		S	EUR 1 =	AOA 134.187	AOA 144.266	AOA 148.553	AOA 170.606 ¹	
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 2.9826	XCD 2.8438	XCD 2.9266	XCD 2.9355	
		V, S	EUR 1 =	XCD 3.0144	XCD 2.8742	XCD 2.9579	XCD 2.9669	
Argentina ¹								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 9.1681	ARS 9.5880	ARS 12.9400 ¹	ARS 13.8600	
		S	USD 1 =	ARS 9.2681	ARS 9.6880	ARS 13.0400 ¹	ARS 13.9600	
	ARS	B	EUR 1 =	ARS 10.1654	ARS 10.1134	ARS 14.0684 ¹	ARS 15.0159	
		S	EUR 1 =	ARS 10.3014	ARS 10.2431	ARS 14.2097 ¹	ARS 15.1592	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 478.20	AMD 482.81	AMD 483.75	AMD 488.75	
		M	EUR 1 =	AMD 530.02	AMD 510.86	AMD 528.69	AMD 532.79	
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 196.73	AWG 188.42	AWG 193.90	AWG 194.49	
		S	EUR 100 =	AWG 198.70	AWG 190.31	AWG 195.85	AWG 196.45	

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

IV Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7508	USD 0.7189	USD 0.7306	USD 0.7100
		M	AUD 1 =	EUR 0.6763	EUR 0.6790	EUR 0.6682	EUR 0.6496
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
Azerbaijan 1							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.0371	AZN 1.0512	AZN 1.5594 1	AZN 1.6008
		M	EUR 1 =	AZN 1.1488	AZN 1.1130	AZN 1.7046 1	AZN 1.7495
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 1.07177	BSD 1.02820	BSD 1.06160	BSD 1.08654 v
		S	EUR 1 =	BSD 1.13418	BSD 1.08700	BSD 1.12040	BSD 1.10565 v
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 0.4038078	BHD 0.3869039	BHD 0.3995527	BHD 0.3962935
		S	EUR 1 =	BHD 0.4287856	BHD 0.4108361	BHD 0.4242673	BHD 0.4208065
Bangladesh 1							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 77.4375	BDT 78.6000	BDT 77.9500	BDT 77.9500
		S	USD 1 =	BDT 78.4275	BDT 79.5900	BDT 78.9400	BDT 78.9400
		B	EUR 1 =	BDT 84.4481	BDT 81.9392	BDT 83.8870	BDT 83.2045
		S	EUR 1 =	BDT 87.7842	BDT 85.5292	BDT 87.4770	BDT 86.7945
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 2.19772	BBD 2.11181	BBD 2.17195	BBD 2.18270
		S	EUR 1 =	BBD 2.23892	BBD 2.15140	BBD 2.21266	BBD 2.22362
Belarus							
Minsk 073	Belarusian rouble BYR	M	USD 1 =	BYR 16,085.75	BYR 18,153.00	BYR 18,569.00	BYR 21,234.00
		M	EUR 1 =	BYR 17,823.83	BYR 19,282.00	BYR 20,300.00	BYR 23,118.00

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

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
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 2.1913	BZD 2.0977	BZD 2.1585	BZD 2.1544
			EUR 1 =	BZD 2.2300	BZD 2.1347	BZD 2.1967	BZD 2.1924
Benin ¹							
Porto-Novo Seat of Government: Cotonou 284	CFA franc XOF	V 2	USD 1 =	XOF 591.219	XOF 620.056	XOF 602.514	XOF 600.693
			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 1.1051	BMD 1.0537	BMD 1.0843	BMD 1.0876
			EUR 1 =	BMD 1.1143	BMD 1.0624	BMD 1.0934	BMD 1.0967
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum BTN	B S	USD 1 =	BTN 64.17	BTN 66.61	BTN 66.28	BTN 67.90
			USD 1 =	BTN 64.62	BTN 67.07	BTN 66.74	BTN 68.37
		B S	EUR 1 =	BTN 70.95	BTN 70.73	BTN 72.51	BTN 74.14
			EUR 1 =	BTN 71.43	BTN 71.20	BTN 72.99	BTN 74.63
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 7.6077	BOB 7.2572	BOB 7.4685	BOB 7.4911
			EUR 1 =	BOB 7.7186	BOB 7.3630	BOB 7.5774	BOB 7.6003
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga BAM	B S	USD 1 =	BAM 1.768204	BAM 1.843989	BAM 1.785595	BAM 1.786575
			USD 1 =	BAM 1.777067	BAM 1.853233	BAM 1.794545	BAM 1.795531
		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 0.0983	USD 0.0919	USD 0.0890	USD 0.0875
			BWP 1 =	USD 0.0981	USD 0.0917	USD 0.0888	USD 0.0873
		B S	BWP 1 =	EUR 0.0890	EUR 0.0869	EUR 0.0818	EUR 0.0803
			BWP 1 =	EUR 0.0887	EUR 0.0867	EUR 0.0816	EUR 0.0801

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff. ² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.3381	BRL 3.8499	BRL 3.9042	BRL 4.0422
		S	USD 1 =	BRL 3.3387	BRL 3.8506	BRL 3.9048	BRL 4.0428
	BRL	B	EUR 1 =	BRL 3.7343	BRL 4.0713	BRL 4.2482	BRL 4.3805
		S	EUR 1 =	BRL 3.7358	BRL 4.0735	BRL 4.2504	BRL 4.3824
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3689	BND 1.4047	BND 1.4028	BND 1.4107
		S	USD 1 =	BND 1.3898	BND 1.4255	BND 1.4237	BND 1.4317
	BND	B	EUR 1 =	BND 1.4958	BND 1.4715	BND 1.5190	BND 1.5250
		S	EUR 1 =	BND 1.5523	BND 1.5279	BND 1.5755	BND 1.5816
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.76396	BGN 1.84879	BGN 1.79007	BGN 1.79105
		M	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
Burkina Faso ¹							
Ouagadougou 236	CFA franc XOF	V	USD 1 =	XOF 591.219	XOF 620.056	XOF 602.514	XOF 600.693
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Burundi							
Bujumbura 328	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,558.7954	BIF 1,594.8108	BIF 1,600.9587	BIF 1,609.6707
		S	USD 1 =	BIF 1,590.2862	BIF 1,627.0292	BIF 1,633.3013	BIF 1,642.1893
	BIF	B	EUR 1 =	BIF 1,721.3347	BIF 1,688.8249	BIF 1,749.8479	BIF 1,756.7141
		S	EUR 1 =	BIF 1,756.1091	BIF 1,722.9425	BIF 1,785.1983	BIF 1,792.2033
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 99.897	CVE 104.119	CVE 100.819	CVE 101.032
		S	USD 1 =	CVE 100.099	CVE 104.321	CVE 101.021	CVE 101.234
	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 KHR	M	USD 1 =	KHR 4,062	KHR 4,044	KHR 4,050	KHR 4,037
		B	EUR 1 =	KHR 4,487	KHR 4,281	KHR 4,429	KHR 4,413
	S	EUR 1 =	KHR 4,532	KHR 4,323	KHR 4,473	KHR 4,457	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 591.219	XAF 620.056	XAF 602.514	XAF 600.693
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Canada							
Ottawa 404	Canadian dollar = 100 cents CAD	M	USD 1 =	CAD 1.2787	CAD 1.3333	CAD 1.3840	CAD 1.4080
		M	EUR 1 =	CAD 1.4235	CAD 1.4081	CAD 1.5029	CAD 1.5251

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff. ² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
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 0.9246	KYD 0.8816	KYD 0.9073	KYD 0.9100
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 591.219	XAF 620.056	XAF 602.514	XAF 600.693
		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 591.219	XAF 620.056	XAF 602.514	XAF 600.693
		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 656.62	CLP 712.63	CLP 707.34	CLP 711.72
		M	EUR 1 =	CLP 728.18	CLP 755.38	CLP 771.95	CLP 779.45
China							
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.2293	CNY 6.3962	CNY 6.4936	CNY 6.5516
		M	EUR 1 =	CNY 6.9036	CNY 6.7673	CNY 7.0952	CNY 7.1700
		M	HKD 1 =	CNY 0.80459	CNY 0.82528	CNY 0.83778	CNY 0.84091
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 31.72	TWD 32.65	TWD 32.83	TWD 33.37
		S	USD 1 =	TWD 31.82	TWD 32.75	TWD 32.93	TWD 33.47
		B	EUR 1 =	TWD 35.06	TWD 34.40	TWD 35.74	TWD 36.08
		S	EUR 1 =	TWD 35.46	TWD 34.80	TWD 36.14	TWD 36.48
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	B	USD 1 =	COP 2,767.77	COP 3,099.81	COP 3,145.39	COP 3,301.59
		S	USD 1 =	COP 2,769.53	COP 3,102.39	COP 3,153.54	COP 3,304.24
		V, B	EUR 1 =	COP 3,065.96	COP 3,279.29	COP 3,424.39	COP 3,605.34
		V, S	EUR 1 =	COP 3,067.91	COP 3,282.02	COP 3,433.26	COP 3,608.23
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 443.41393	KMF 465.04183	KMF 451.88551	KMF 450.51992
		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 591.219	XAF 620.056	XAF 602.514	XAF 600.693
		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 65 ff.
2 Value against the US dollar. 3 Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 907.4830	CDF 907.7979	CDF 908.9478	CDF 909.7954
		S	USD 1 =	CDF 944.5232	CDF 944.8509	CDF 946.0477	CDF 946.9299
	CDF	B	EUR 1 =	CDF 1,002.0568	CDF 960.1050	CDF 990.6942	CDF 994.0987
		S	EUR 1 =	CDF 1,042.9571	CDF 999.2929	CDF 1,031.1307	CDF 1,034.6742
Cook Islands ¹							
Avarua 837	Cook Islands dollar = 100 cents NZD	² B	NZD 1 =	EUR 0.6454	EUR 0.6336	EUR 0.6426	EUR 0.6097
		S	NZD 1 =	EUR 0.6174	EUR 0.6058	EUR 0.6147	EUR 0.5830
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 528.69	CRC 526.05	CRC 531.94	CRC 531.87
		S	USD 1 =	CRC 540.97	CRC 538.71	CRC 544.87	CRC 544.57
	CRC	V, B	EUR 1 =	CRC 583.9701	CRC 556.5083	CRC 579.1231	CRC 580.8020
		V, S	EUR 1 =	CRC 597.5319	CRC 569.9013	CRC 593.2000	CRC 594.6704
Côte d'Ivoire ¹							
Yamoussoukro Seat of Government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 591.219	XOF 620.056	XOF 602.514	XOF 600.693
		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 6.846831	HRK 7.178233	HRK 6.970826	HRK 6.995365
		S	USD 1 =	HRK 6.888036	HRK 7.221431	HRK 7.012776	HRK 7.037463
	HRK	B	EUR 1 =	HRK 7.594448	HRK 7.603902	HRK 7.612142	HRK 7.634042
		S	EUR 1 =	HRK 7.640151	HRK 7.649662	HRK 7.657952	HRK 7.679984
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 1.06757	CUC 1.02361	CUC 1.05786	CUC 1.05660
		S	EUR 1 =	CUC 1.13940	CUC 1.09249	CUC 1.12904	CUC 1.12770
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 196.73	ANG 188.42	ANG 193.90	ANG 194.49
		S	EUR 100 =	ANG 200.69	ANG 192.21	ANG 197.81	ANG 198.41
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
Czech Republic							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 24.600	CZK 25.545	CZK 24.824	CZK 24.760
		M	EUR 1 =	CZK 27.269	CZK 27.030	CZK 27.025	CZK 27.025

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

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 672.69	DKK 705.21	DKK 683.00	DKK 683.41
			EUR 100 =	DKK 746.07	DKK 746.04	DKK 746.25	DKK 746.28
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 194.33	DJF 190.63	DJF 191.81	DJF .
			S	EUR 1 =	DJF 201.99	DJF 198.03	DJF 199.24
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 2.9826	XCD 2.8438	XCD 2.9266	XCD 2.9355
			V, S	EUR 1 =	XCD 3.0144	XCD 2.8742	XCD 2.9579
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 44.7391	DOP 45.1004	DOP 45.2273	DOP 45.3163
			S	USD 1 =	DOP 45.0960	DOP 45.4544	DOP 45.6043
		B	EUR 1 =	DOP 48.6052	DOP 47.3749	DOP 48.3136	DOP 48.2436
			S	EUR 1 =	DOP 51.5159	DOP 50.8835	DOP 51.4058
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 7.7208	EGP 7.8300	EGP 7.8300	EGP 7.8300
			S	USD 1 =	EGP 7.7222	EGP 7.8301	EGP 7.8301
		B	EUR 1 =	EGP 8.4926	EGP 8.2399	EGP 8.4856	EGP 8.4326
			S	EUR 1 =	EGP 8.5912	EGP 8.2960	EGP 8.5638
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 9.7081	SVC 9.2566	SVC 9.5261	SVC 9.5550
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 591.219	XAF 620.056	XAF 602.514	XAF 600.693
		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 16.5500	ERN 15.8760	ERN 16.4835	ERN 16.3740
			S	EUR 1 =	ERN 17.3095	ERN 16.6355	ERN 17.2430
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff. ² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 20.6138	ETB 20.9858	ETB 21.0736	ETB 21.1536
		S	USD 1 =	ETB 21.0261	ETB 21.4055	ETB 21.4951	ETB 21.5767
	ETB	B	EUR 1 =	ETB 22.7723	ETB 22.2093	ETB 23.1198	ETB 23.0743
S		EUR 1 =	ETB 23.2318	ETB 22.6599	ETB 23.5865	ETB 23.5445	
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound = 100 pence FKP	² V	USD 1 =	FKP 0.65420	FKP 0.66623	FKP 0.67415	FKP 0.69973
		² V	EUR 1 =	FKP 0.72584	FKP 0.70480	FKP 0.73395	FKP 0.76410
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4837	USD 0.4716	USD 0.4786	USD 0.4701
		S	FJD 1 =	USD 0.4667	USD 0.4546	USD 0.4616	USD 0.4531
	FJD	B	FJD 1 =	EUR 0.4360	EUR 0.4427	EUR 0.4359	EUR 0.4273
		S	FJD 1 =	EUR 0.4240	EUR 0.4307	EUR 0.4239	EUR 0.4153
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
Gabon ¹							
Libreville 314	CFA franc	V	USD 1 =	XAF 591.219	XAF 620.056	XAF 602.514	XAF 600.693
	XAF	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 42.23	GMD 39.63	GMD 39.91	GMD 40.44
		M	EUR 1 =	GMD 46.93	GMD 43.19	GMD 43.86	GMD 44.12
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.2792	GEL 2.4051	GEL 2.3949	GEL 2.4719
		M	EUR 1 =	GEL 2.5259	GEL 2.5477	GEL 2.6169	GEL 2.6991
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff. ² Value (1:1) against the pound sterling. ³ Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month			
					November 2015	December 2015	January 2016	
Ghana								
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 3.7595	GHS 3.7913	GHS 3.7931	GHS 3.8325	
		S	USD 1 =	GHS 3.7632	GHS 3.7951	GHS 3.7969	GHS 3.8363	
	GHS	B	EUR 1 =	GHS 4.1517	GHS 4.0055	GHS 4.1306	GHS 4.1519	
		S	EUR 1 =	GHS 4.1550	GHS 4.0089	GHS 4.1334	GHS 4.1540	
	Gibraltar							
	Gibraltar 044	Gibraltar pound = 100 pence GIP	2	V	USD 1 =	GIP 0.65420	GIP 0.66623	GIP 0.67415
2			V	EUR 1 =	GIP 0.72584	GIP 0.70480	GIP 0.73395	GIP 0.76410
Greece ¹								
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920	
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 2.9826	XCD 2.8438	XCD 2.9266	XCD 2.9355	
		V, S	EUR 1 =	XCD 3.0144	XCD 2.8742	XCD 2.9579	XCD 2.9669	
Guatemala								
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.65729	GTQ 7.61230	GTQ 7.63237	GTQ 7.67713	
		V, M	EUR 1 =	GTQ 8.45820	GTQ 8.05305	GTQ 8.30936	GTQ 8.38343	
Guinea ¹								
Conakry 260	Guinean franc	B	USD 1 =	GNF 7,103.8740	GNF 7,245.7440	GNF 7,444.5035	GNF 8,560.2500 ¹	
		S	USD 1 =	GNF 7,645.9421	GNF 7,849.5560	GNF 8,064.8788	GNF 9,045.6250 ¹	
	GNF	B	EUR 1 =	GNF 7,857.9357	GNF 7,674.2572	GNF 8,088.9742	GNF 9,333.2423 ¹	
		S	EUR 1 =	GNF 8,457.1325	GNF 8,313.7787	GNF 8,763.0553	GNF 9,862.4467 ¹	
Guinea-Bissau ¹								
Bissau 257	CFA franc XOF	V	USD 1 =	XOF 591.219	XOF 620.056	XOF 602.514	XOF 600.693	
		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 205.98	GYD 205.98	GYD 205.98	GYD 205.98	
		S	USD 1 =	GYD 208.44	GYD 208.44	GYD 208.44	GYD 208.44	
	GYD	B	EUR 1 =	GYD 227.42	GYD 217.52	GYD 224.19	GYD 224.73	
		S	EUR 1 =	GYD 230.34	GYD 220.32	GYD 227.07	GYD 227.61	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff. ² Value (1:1) against the pound sterling. ³ Value against the euro.

IV Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 51.1640	HTG 56.1368	HTG 56.6970	HTG 59.4546
		V, M	EUR 1 =	HTG 56.4762	HTG 59.3871	HTG 61.7260	HTG 64.9244
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 21.9794	HNL 22.2162	HNL 22.3557	HNL 22.5380
		S	USD 1 =	HNL 22.1332	HNL 22.3717	HNL 22.5122	HNL 22.6958
		V, B	EUR 1 =	HNL 24.2752	HNL 23.5025	HNL 24.3387	HNL 24.6115
		V, S	EUR 1 =	HNL 24.4451	HNL 23.6670	HNL 24.5090	HNL 24.7838
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.73880	HKD 7.73630	HKD 7.73710	HKD 7.77500
		S	USD 1 =	HKD 7.76433	HKD 7.76230	HKD 7.76310	HKD 7.80100
		B	EUR 1 =	HKD 8.52852	HKD 8.17398	HKD 8.40268	HKD 8.47038
		S	EUR 1 =	HKD 8.58831	HKD 8.23372	HKD 8.46242	HKD 8.53012
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 279.46	HUF 294.35	HUF 286.63	HUF 286.54
		M	EUR 1 =	HUF 309.32	HUF 311.45	HUF 313.12	HUF 312.42
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 131.45	ISK 132.45	ISK 129.28	ISK 129.41
		S	USD 1 =	ISK 132.07	ISK 133.09	ISK 129.90	ISK 130.03
		B	EUR 1 =	ISK 145.89	ISK 140.06	ISK 140.93	ISK 141.20
		S	EUR 1 =	ISK 146.70	ISK 140.84	ISK 141.71	ISK 142.00
India 1							
New Delhi 664	Indian rupee = 100 paise INR	B	USD 1 =	INR 63.82	INR 66.38	INR 65.75	INR 67.60
		S	USD 1 =	INR 64.67	INR 67.23	INR 66.60	INR 68.45
		B	EUR 1 =	INR 70.23	INR 69.86	INR 71.50	INR 73.35
		S	EUR 1 =	INR 71.79	INR 71.43	INR 73.09	INR 74.95
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 13,351.04	IDR 13,771.00	IDR 13,726.00	IDR 13,777.00
		S	USD 1 =	IDR 13,485.13	IDR 13,909.00	IDR 13,864.00	IDR 13,915.00
		B	EUR 1 =	IDR 14,786.36	IDR 14,565.59	IDR 14,991.54	IDR 15,061.02
		S	EUR 1 =	IDR 14,938.08	IDR 14,714.33	IDR 15,147.81	IDR 15,217.44
Iran, Islamic Republic of 1							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 29,128	IRR 30,086	IRR 30,130	IRR 30,186
		M	EUR 1 =	IRR 32,174	IRR 31,842	IRR 32,934	IRR 32,694

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

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month			
					November 2015	December 2015	January 2016	
Iraq								
Baghdad 612	Iraqi dinar = 1,000 fils	B	USD 1 =	IQD 1,165.333	IQD 1,164.000	IQD 1,180.000	IQD 1,180.000	
		S	USD 1 =	IQD 1,167.333	IQD 1,166.000	IQD 1,182.000	IQD 1,182.000	
	IQD	B	EUR 1 =	IQD 1,289.847	IQD 1,233.710	IQD 1,293.879	IQD 1,288.090	
		S	EUR 1 =	IQD 1,290.493	IQD 1,234.328	IQD 1,294.526	IQD 1,288.735	
	Ireland							
	Dublin 007	Euro = 100 cent	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
EUR								
Israel								
Jerusalem 624	New Israeli sheqel = 100 agorot	M	USD 1 =	ILS 3.8839	ILS 3.8770	ILS 3.9020	ILS 3.9510	
		M	EUR 1 =	ILS 4.2920	ILS 4.0995	ILS 4.2468	ILS 4.3097	
	ILS							
Italy								
Rome 005	Euro = 100 cent	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920	
	EUR							
Jamaica								
Kingston 464	Jamaican dollar = 100 cents	B	USD 1 =	JMD 116.8907	JMD 119.2453	JMD 119.6419	JMD 120.9124	
		S	USD 1 =	JMD 117.4812	JMD 119.9320	JMD 120.4150	JMD 121.3669	
	JMD	B	EUR 1 =	JMD 129.01328	JMD 126.55490	JMD 130.53528	JMD 132.44409	
		S	EUR 1 =	JMD 129.61075	JMD 127.09798	JMD 131.33568	JMD 132.74110	
	Japan							
	Tokyo 732	Japanese yen = 100 sen	B	USD 1 =	JPY 120.12	JPY 121.82	JPY 119.61	JPY 119.87
S			USD 1 =	JPY 122.12	JPY 123.82	JPY 121.61	JPY 121.87	
JPY		B	EUR 1 =	JPY 132.19	JPY 128.38	JPY 130.27	JPY 130.67	
		S	EUR 1 =	JPY 135.19	JPY 131.38	JPY 133.27	JPY 133.67	
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 0.77803	JOD 0.74829	JOD 0.77045	JOD 0.76960	
		S	EUR 1 =	JOD 0.78573	JOD 0.75530	JOD 0.77653	JOD 0.77568	
	Kazakhstan							
	Astana 079	Tenge = 100 tiyn	M	USD 1 =	KZT 225.02	KZT 307.20	KZT 339.47	KZT 371.55
KZT		M	EUR 1 =	KZT 249.15	KZT 326.06	KZT 371.31	KZT 405.32	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 98.6085	KES 102.0139	KES 102.2139	KES 102.1839	
		S	USD 1 =	KES 98.7851	KES 102.2147	KES 102.4088	KES 102.3829	
	KES	B	EUR 1 =	KES 108.8046	KES 108.0317	KES 111.6694	KES 111.5617	
		S	EUR 1 =	KES 109.0215	KES 108.2750	KES 111.8972	KES 111.8022	

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

IV Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Korea, Democratic People's Republic of							
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 108.41	KPW 110.51 ²	KPW 108.68 ³	KPW 109.16 ⁴
		S	USD 1 =	KPW 109.23	KPW 111.34 ²	KPW 109.50 ³	KPW 109.98 ⁴
	KPW	B	EUR 1 =	KPW 119.43	KPW 116.78 ²	KPW 118.73 ³	KPW 118.11 ⁴
		S	EUR 1 =	KPW 120.33	KPW 117.66 ²	KPW 119.63 ³	KPW 119.00 ⁴
Korea, Republic of							
Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,120.93	KRW 1,146.70	KRW 1,166.00	KRW 1,192.70
		S	USD 1 =	KRW 1,143.03	KRW 1,169.30	KRW 1,189.00	KRW 1,216.30
	KRW	B	EUR 1 =	KRW 1,237.72	KRW 1,212.46	KRW 1,273.32	KRW 1,299.30
		S	EUR 1 =	KRW 1,262.72	KRW 1,236.94	KRW 1,299.04	KRW 1,325.54
Kuwait							
Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.29990	KWD 0.30310	KWD 0.30220	KWD 0.30160
		S	USD 1 =	KWD 0.30371	KWD 0.30670	KWD 0.30580	KWD 0.30520
	KWD	B	EUR 1 =	KWD 0.331011	KWD 0.320771	KWD 0.329005	KWD 0.329332
		S	EUR 1 =	KWD 0.335218	KWD 0.324581	KWD 0.332924	KWD 0.333263
Kyrgyzstan							
Bishkek 083	Kyrgyz som = 100 tyiyn KGS	M	USD 1 =	KGS 64.8031	KGS 75.9000	KGS 75.8993	KGS 75.8826
		M	EUR 1 =	KGS 71.8206	KGS 80.5792	KGS 83.0073	KGS 82.6665
Lao People's Democratic Republic							
Vientiane 684	Kip	B	USD 1 =	LAK 8,121	LAK 8,151	LAK 8,131	LAK 8,127
		S	USD 1 =	LAK 8,153	LAK 8,188	LAK 8,168	LAK 8,164
	LAK	B	EUR 1 =	LAK 8,950	LAK 8,605	LAK 8,871	LAK 8,871
		S	EUR 1 =	LAK 8,992	LAK 8,645	LAK 8,913	LAK 8,913
Latvia							
Riga 054	Euro = 100 cents EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
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 1,670.51	LBP 1,594.18	LBP 1,646.64	LBP 1,643.48
Lesotho ¹							
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 12.8909	LSL 14.3235	LSL 15.2206	LSL 16.3495
		M	EUR 1 =	LSL 14.2094	LSL 15.1583	LSL 16.6147	LSL 17.8013 ^v

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

² Exchange rate as of 1 December 2015. ³ Exchange rate as of 4 January 2016. ⁴ Exchange rate as of 1 February 2016.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 85.83	LRD 87.00	LRD 88.00	LRD 89.00
		S	USD 1 =	LRD 86.83	LRD 88.00	LRD 89.00	LRD 90.00
	LRD	V, B	EUR 1 =	LRD 94.7997	LRD 92.0373	LRD 95.8056	LRD 97.1880
V, S		EUR 1 =	LRD 95.9042	LRD 93.0952	LRD 96.8943	LRD 98.2800	
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3802	LYD 1.4037	LYD 1.3894	LYD 1.4004
		S	USD 1 =	LYD 1.3871	LYD 1.4107	LYD 1.3963	LYD 1.4075
	LYD	B	EUR 1 =	LYD 1.5232	LYD 1.4859	LYD 1.5186	LYD 1.5172
		S	EUR 1 =	LYD 1.5308	LYD 1.4933	LYD 1.5263	LYD 1.5248
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 7.9739	MOP 7.9727	MOP 7.9734	MOP 8.0131
		S	USD 1 =	MOP 8.0063	MOP 8.0042	MOP 8.0049	MOP 8.0446
	MOP	B	EUR 1 =	MOP 8.7960	MOP 8.4268	MOP 8.7003	MOP 8.7252
		S	EUR 1 =	MOP 8.8557	MOP 8.4828	MOP 8.7573	MOP 8.7822
Macedonia, former Yugoslav Republic of							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 55.3515	MKD 57.9398	MKD 56.0926	MKD 56.2173
		S	USD 1 =	MKD 55.9078	MKD 58.5221	MKD 56.6563	MKD 56.7823
	MKD	B	EUR 1 =	MKD 61.3003	MKD 61.3003	MKD 61.2867	MKD 61.3893
S		EUR 1 =	MKD 61.9163	MKD 61.9163	MKD 61.9027	MKD 62.0063	
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 2,942.10	MGA 3,260.43	MGA 3,199.21	MGA 3,202.75
		M	EUR 1 =	MGA 3,260.72	MGA 3,448.11	MGA 3,497.62	MGA 3,489.04
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 500.5335	MWK 597.2771	MWK 656.0604	MWK 719.4001
		S	USD 1 =	MWK 517.5229	MWK 612.3981	MWK 672.6696	MWK 737.6127
	MWK	B	EUR 1 =	MWK 552.0873	MWK 632.6359	MWK 717.2709	MWK 787.0237
		S	EUR 1 =	MWK 570.8935	MWK 648.6520	MWK 735.4296	MWK 806.9483

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

IV Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Malaysia							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 3.8736	MYR 4.2262	MYR 4.2371	MYR 4.1074
		S	USD 1 =	MYR 3.9700	MYR 4.3428	MYR 4.3539	MYR 4.2206
	MYR	B	EUR 1 =	MYR 4.2878	MYR 4.4557	MYR 4.6168	MYR 4.4749
		S	EUR 1 =	MYR 4.4191	MYR 4.6107	MYR 4.7775	MYR 4.6306
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.37	MVR 15.33	MVR 15.41	MVR 15.35
		V, M	EUR 1 =	MVR 16.97146	MVR 16.21761	MVR 16.77687	MVR 16.76220
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 591.219	XOF 620.056	XOF 602.514	XOF 600.693
		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 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
Mauritania							
Nouakchott 228	Ouguiya = 5 khoums MRO	B	USD 1 =	MRO 324.03	MRO 334.12	MRO 338.04	MRO 339.33
		S	USD 1 =	MRO 327.28	MRO 337.47	MRO 341.43	MRO 342.73
	MRO	B	EUR 1 =	MRO 357.85	MRO 353.16	MRO 369.28	MRO 369.80
		S	EUR 1 =	MRO 361.44	MRO 356.71	MRO 372.99	MRO 373.51
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 34.7263	MUR 35.8069	MUR 35.4813	MUR 35.5662
		S	USD 1 =	MUR 35.7423	MUR 36.8650	MUR 36.5312	MUR 36.6169
	MUR	B	EUR 1 =	MUR 38.3484	MUR 37.9049	MUR 38.7733	MUR 38.8679
		S	EUR 1 =	MUR 39.4735	MUR 39.0354	MUR 39.9291	MUR 40.0272
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 15.9184	MXN 16.5705	MXN 17.2050	MXN 18.1420
		S	USD 1 =	MXN 15.9229	MXN 16.5735	MXN 17.2120	MXN 18.1460
	MXN	V, B	EUR 1 =	MXN 17.6302	MXN 17.5299	MXN 18.7311	MXN 19.8111
		V, S	EUR 1 =	MXN 17.6345	MXN 17.5331	MXN 18.7387	MXN 19.8154
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 18.8210	MDL 20.1088	MDL 19.6585	MDL 20.6035
		M	EUR 1 =	MDL 20.8780	MDL 21.2792	MDL 21.4779	MDL 22.4919
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 1,974.22	MNT 1,994.83	MNT 1,995.51	MNT 2,011.38
		M	EUR 1 =	MNT 2,179.24	MNT 2,111.63	MNT 2,181.19	MNT 2,192.10

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. 1 Explanatory notes on individual countries, see p 65 ff. 2 Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month			
					November 2015	December 2015	January 2016	
Morocco								
Rabat 204	Moroccan dirham = 100 centimes	B	USD 1 =	MAD 9.7456	MAD 10.0440	MAD 9.8711	MAD 9.9014	
		S	USD 1 =	MAD 9.8042	MAD 10.1040	MAD 9.9304	MAD 9.9609	
	MAD	B	EUR 1 =	MAD 10.799	MAD 10.628	MAD 10.751	MAD 10.729	
		S	EUR 1 =	MAD 10.864	MAD 10.692	MAD 10.815	MAD 10.794	
	Mozambique							
	Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 38.76	MZN 54.01	MZN 44.92	MZN 45.96
S			USD 1 =	MZN 38.94	MZN 54.11	MZN 44.98	MZN 46.16	
MZN		B	EUR 1 =	MZN 42.75	MZN 57.14	MZN 48.97	MZN 50.17	
		S	EUR 1 =	MZN 42.95	MZN 57.24	MZN 49.04	MZN 50.39	
Myanmar								
Nay Pyi Taw 676		Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,169.92	MMK 1,300.00	MMK 1,309.00	MMK 1,294.00
	M		EUR 1 =	MMK 1,292.10	MMK 1,375.50	MMK 1,431.70	MMK 1,414.90	
Namibia ¹								
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 12.9343	NAD 14.3960	NAD 15.5552	NAD 16.1009	
		M	EUR 1 =	NAD 14.2685	NAD 15.2342	NAD 16.9996	NAD 17.5680	
Nepal								
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 102.58	NPR 106.52	NPR 105.92	NPR 108.39	
		S	USD 1 =	NPR 103.18	NPR 107.12	NPR 106.52	NPR 108.99	
	NPR	B	EUR 1 =	NPR 113.13	NPR 112.83	NPR 115.86	NPR 118.10	
		S	EUR 1 =	NPR 113.79	NPR 113.47	NPR 116.51	NPR 118.76	
Netherlands								
Amsterdam Seat of Government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920	
New Caledonia ¹								
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.30	USD 8.87	USD 9.12	USD 9.15	
		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 0.7138	USD 0.6680	USD 0.6995	USD 0.6614	
		S	NZD 1 =	USD 0.6883	USD 0.6438	USD 0.6745	USD 0.6374	
	NZD	B	NZD 1 =	EUR 0.6454	EUR 0.6336	EUR 0.6426	EUR 0.6097	
		S	NZD 1 =	EUR 0.6174	EUR 0.6058	EUR 0.6147	EUR 0.5830	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff. ² Value against the euro.

IV Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 27.3105	NIO 27.8128	NIO 27.9283	NIO 28.0439
		V, M	EUR 1 =	NIO 30.16196	NIO 29.42316	NIO 30.40554	NIO 30.62394
Niger 1							
Niamey 240	CFA franc XOF	V	USD 1 =	XOF 591.219	XOF 620.056	XOF 602.514	XOF 600.693
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Nigeria 1							
Abuja 288	Naira = 100 kobo NGN	B	USD 1 =	NGN 192.41	NGN 196.00	NGN 196.00	NGN 196.00
		S	USD 1 =	NGN 193.41	NGN 197.00	NGN 197.00	NGN 197.00
		B	EUR 1 =	NGN 213.1516	NGN 207.2896	NGN 213.5616	NGN 213.8360
		S	EUR 1 =	NGN 214.2602	NGN 208.3472	NGN 214.6512	NGN 214.9270
Norway							
Oslo 028	Norwegian krone = 100 øre NOK	B	USD 1 =	NOK 8.0474	NOK 8.6688	NOK 8.7691	NOK 8.5907
		S	USD 1 =	NOK 8.1007	NOK 8.7278	NOK 8.8281	NOK 8.6497
		B	EUR 1 =	NOK 8.9594	NOK 9.1742	NOK 9.5831	NOK 9.3604
		S	EUR 1 =	NOK 9.0185	NOK 9.2392	NOK 9.6481	NOK 9.4254
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 0.4243904	OMR 0.4063488	OMR 0.4196352	OMR 0.4157568
		S	EUR 1 =	OMR 0.4256239	OMR 0.4075610	OMR 0.4208820	OMR 0.4171090
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B	USD 1 =	PKR 102.50	PKR 105.30	PKR 104.60	PKR 104.70
		S	USD 1 =	PKR 102.70	PKR 105.50	PKR 104.80	PKR 104.90
		B	EUR 1 =	PKR 113.65	PKR 111.47	PKR 114.32	PKR 114.60
		S	EUR 1 =	PKR 113.87	PKR 111.68	PKR 114.54	PKR 114.82
Panama 1							
Panama City 442	Balboa = 100 centésimos PAB	3	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1095	PAB 1.0579	PAB 1.0887	PAB 1.0920
Papua New Guinea							
Port Moresby 801	Kina = 100 toea PGK	B	PGK 1 =	USD 0.3671	USD 0.3450	USD 0.3400	USD 0.3370
		S	PGK 1 =	USD 0.3521	USD 0.3300	USD 0.3250	USD 0.3220
		B	PGK 1 =	EUR 0.3297	EUR 0.3231	EUR 0.3089	EUR 0.3057
		S	PGK 1 =	EUR 0.3150	EUR 0.3081	EUR 0.2942	EUR 0.2911

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

IV Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,221.61	PYG 5,674.91	PYG 5,750.00	PYG 5,928.36
		S	USD 1 =	PYG 5,234.91	PYG 5,686.15	PYG 5,813.94	PYG 5,936.73
	PYG	V, B	EUR 1 =	PYG 5,790.07	PYG 6,003.49	PYG 6,260.03	PYG 6,473.77
		V, S	EUR 1 =	PYG 5,804.81	PYG 6,015.38	PYG 6,329.64	PYG 6,482.91
Peru							
Lima 504	Nuevo sol = 100 céntimos	B	USD 1 =	PEN 3.186	PEN 3.372	PEN 3.408	PEN 3.468
		S	USD 1 =	PEN 3.190	PEN 3.376	PEN 3.413	PEN 3.471
	PEN	B	EUR 1 =	PEN 3.449	PEN 3.504	PEN 3.591	PEN 3.663
		S	EUR 1 =	PEN 3.670	PEN 3.709	PEN 3.811	PEN 3.932
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 45.05641	PHP 46.46140	PHP 46.37763	PHP 46.95908
		S	USD 1 =	PHP 46.06485	PHP 47.82860	PHP 47.74237	PHP 48.34093
	PHP	B	EUR 1 =	PHP 49.84945	PHP 49.29554	PHP 50.87626	PHP 51.37323
		S	EUR 1 =	PHP 50.96459	PHP 50.74615	PHP 52.37338	PHP 52.88497
Poland							
Warsaw 060	Polish zloty = 100 groszy	M	USD 1 =	PLN 3.7730	PLN 4.0304	PLN 3.9011	PLN 4.0723
	PLN	M	EUR 1 =	PLN 4.1848	PLN 4.2639	PLN 4.2615	PLN 4.4405
Portugal							
Lisbon 010	Euro = 100 cent	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
	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 3.952	QAR 3.784	QAR 3.910	QAR 3.897
		S	EUR 1 =	QAR 4.093	QAR 3.924	QAR 4.051	QAR 4.038
Romania							
Bucharest 066	Romanian leu = 100 bani	M	USD 1 =	RON 4.0062	RON 4.1975	RON 4.1477	RON 4.1525
	RON	M	EUR 1 =	RON 4.4401	RON 4.4460	RON 4.5245	RON 4.5337
Russian Federation							
Moscow 075	Russian rouble = 100 kopeken	M	USD 1 =	RUB 61.2861	RUB 66.2393	RUB 72.8827	RUB 75.1723
		M	EUR 1 =	RUB 68.4684	RUB 70.3859	RUB 79.6972	RUB 81.9077
	RUB						

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

IV Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 713.556558	RWF 734.428775	RWF 740.007558	RWF 746.886048
		S	USD 1 =	RWF 727.826248	RWF 749.115867	RWF 754.806214	RWF 761.822260
	RWF	B	EUR 1 =	RWF 791.636938	RWF 777.980401	RWF 809.013263	RWF 817.018648
		S	EUR 1 =	RWF 807.468077	RWF 793.538438	RWF 825.191893	RWF 833.357370
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound = 100 pence SHP	2 V	USD 1 =	SHP 0.65420	SHP 0.66623	SHP 0.67415	SHP 0.69973
		2 V	EUR 1 =	SHP 0.72584	SHP 0.70480	SHP 0.73395	SHP 0.76410
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 2.9826	XCD 2.8438	XCD 2.9266	XCD 2.9355
		V, S	EUR 1 =	XCD 3.0144	XCD 2.8742	XCD 2.9579	XCD 2.9669
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 2.9826	XCD 2.8438	XCD 2.9266	XCD 2.9355
		V, S	EUR 1 =	XCD 3.0144	XCD 2.8742	XCD 2.9579	XCD 2.9669
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 2.9826	XCD 2.8438	XCD 2.9266	XCD 2.9355
		V, S	EUR 1 =	XCD 3.0144	XCD 2.8742	XCD 2.9579	XCD 2.9669
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.39008	USD 0.37870	USD 0.38510	USD 0.37710
		M	WST 1 =	EUR 0.35283	EUR 0.35760	EUR 0.35290	EUR 0.34670
Sao Tome and Principe ¹							
São Tomé 311	Dobra = 100 céntimos	B	USD 1 =	STD 22,224.17	STD 23,156.90	STD 22,423.58	STD 22,470.88
		S	USD 1 =	STD 22,557.53	STD 23,504.25	STD 22,759.93	STD 22,807.94
	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 4.0403	SAR 3.8742	SAR 3.9994	SAR 3.9173
		S	EUR 1 =	SAR 4.2823	SAR 4.1007	SAR 4.2328	SAR 4.2208

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff. ² Value (1:1) against the pound sterling.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 591.219	XOF 620.056	XOF 602.514	XOF 600.693
	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 108.5753	RSD 114.2013	RSD 110.9131	RSD 112.5985
		S	USD 1 =	RSD 109.2288	RSD 114.8885	RSD 111.5805	RSD 113.2761
	RSD	B	EUR 1 =	RSD 120.3764	RSD 120.8821	RSD 121.2612	RSD 122.8788
		S	EUR 1 =	RSD 121.1008	RSD 121.6095	RSD 121.9910	RSD 123.6182
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 12.9659	SCR 12.6614	SCR 13.0448	SCR 12.9097
		S	USD 1 =	SCR 13.4927	SCR 13.2745	SCR 13.2068	SCR 13.2986
	SCR	B	EUR 1 =	SCR 14.3586	SCR 13.5641	SCR 13.9938	SCR 14.1410
		S	EUR 1 =	SCR 14.9151	SCR 14.0724	SCR 14.5573	SCR 14.5351
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 5,041.44	SLL 5,516.72	SLL 5,571.16	SLL 5,677.10
		S	USD 1 =	SLL 5,143.28	SLL 5,628.17	SLL 5,683.71	SLL 5,791.79
	SLL	V, B	EUR 1 =	SLL 5,565.69	SLL 5,836.14	SLL 6,065.32	SLL 6,199.39
		V, S	EUR 1 =	SLL 5,678.13	SLL 5,954.04	SLL 6,187.86	SLL 6,324.63
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3764	SGD 1.4131	SGD 1.4139	SGD 1.4277
		M	EUR 1 =	SGD 1.5225	SGD 1.4960	SGD 1.5457	SGD 1.5575
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 196.73	ANG 188.42	ANG 193.90	ANG 194.49
		S	EUR 100 =	ANG 200.69	ANG 192.21	ANG 197.81	ANG 198.41
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1260	USD 0.1238	USD 0.1240	USD 0.1230
		M	SBD 1 =	EUR 0.1145	EUR 0.1167	EUR 0.1135	EUR 0.1126

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff. ² Value against the euro.

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month			
					November 2015	December 2015	January 2016	
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 12.6605	ZAR 14.2118	ZAR 15.3650	ZAR 15.8390	
		S	USD 1 =	ZAR 12.9780	ZAR 14.5293	ZAR 15.6825	ZAR 16.1565	
	ZAR	B	EUR 1 =	ZAR 14.0495	ZAR 14.9971	ZAR 16.6983	ZAR 17.1674	
		S	EUR 1 =	ZAR 14.4800	ZAR 15.4252	ZAR 17.1299	ZAR 17.5957	
South Sudan ¹								
Juba 225	South Sudanese pound = 100 piastres	B	USD 1 =	SSP 2.9377 ²	SSP 2.9377	SSP 17.0128 ^{1 5}	SSP 19.6358	
		S	USD 1 =	SSP 2.9623 ²	SSP 2.9623	SSP 17.2872 ^{1 5}	SSP 19.9525	
	SSP	B	EUR 1 =	SSP 3.2421 ³	SSP 3.1054 ⁴	SSP 18.5984 ^{1 5}	SSP 21.4246	
		S	EUR 1 =	SSP 3.2800 ³	SSP 3.1326 ⁴	SSP 18.9036 ^{1 5}	SSP 21.7762	
	Spain							
	Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.0579	USD 1.0887	USD 1.0920
Sri Lanka								
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 134.72	LKR 141.01	LKR 141.94	LKR 142.06	
		S	USD 1 =	LKR 138.24	LKR 145.34	LKR 146.18	LKR 146.10	
	LKR	B	EUR 1 =	LKR 148.39	LKR 148.11	LKR 154.07	LKR 154.35	
		S	EUR 1 =	LKR 154.02	LKR 154.57	LKR 160.47	LKR 160.55	
Sudan								
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 6.0172	SDG 6.0771	SDG 6.0771	SDG 6.0771	
		S	USD 1 =	SDG 6.0473	SDG 6.1075	SDG 6.1075	SDG 6.1075	
	SDG	B	EUR 1 =	SDG 6.6521	SDG 6.4344	SDG 6.6447	SDG 6.5821	
		S	EUR 1 =	SDG 6.6854	SDG 6.4666	SDG 6.6779	SDG 6.6150	
Suriname								
Paramaribo 492	Suriname dollar = 100 cent	B	USD 1 =	SRD 3.368	SRD 3.960	SRD 3.960	SRD 3.960	
		S	USD 1 =	SRD 3.465	SRD 4.040	SRD 4.040	SRD 4.040	
	SRD	B	EUR 1 =	SRD 3.712	SRD 4.190	SRD 4.327	SRD 4.318	
		S	EUR 1 =	SRD 3.819	SRD 4.275	SRD 4.414	SRD 4.405	
Swaziland ¹								
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 12.8764	SZL 14.3865	SZL 15.3065	SZL 16.0358	
		S	USD 1 =	SZL 12.9196	SZL 14.4365	SZL 15.3565	SZL 16.0858	
	SZL	B	EUR 1 =	SZL 14.19967	SZL 15.2324	SZL 16.7300	SZL 17.4613	
		S	EUR 1 =	SZL 14.24928	SZL 15.2897	SZL 16.7893	SZL 17.5206	
Sweden								
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.4006	SEK 8.6980	SEK 8.3199	SEK 8.4841	
		S	USD 1 =	SEK 8.4681	SEK 8.7655	SEK 8.3874	SEK 8.5516	
	SEK	B	EUR 1 =	SEK 9.3083	SEK 9.2285	SEK 9.1185	SEK 9.2641	
		S	EUR 1 =	SEK 9.3598	SEK 9.2800	SEK 9.1700	SEK 9.3156	

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

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

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Switzerland							
Berne 039	Swiss franc = 100 rappen / centimes CHF	B	USD 1 =	CHF 0.9626	CHF 1.0309	CHF 0.9903	CHF 1.0193
		B	EUR 1 =	CHF 1.0635	CHF 1.0906	CHF 1.0817	CHF 1.1112
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 241.34	SYP 293.91	SYP 310.87	SYP 346.94
		S	USD 1 =	SYP 242.80	SYP 295.68	SYP 312.74	SYP 349.03
		B	EUR 1 =	SYP 265.85	SYP 311.17	SYP 340.95	SYP 375.64
		S	EUR 1 =	SYP 267.72	SYP 313.36	SYP 343.34	SYP 378.27
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 6.1934	TJS 6.7242	TJS 6.9902	TJS 7.8424
		M	EUR 1 =	TJS 6.8665	TJS 7.1142	TJS 7.6389	TJS 8.5647
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 1,990.8787	TZS 2,138.4158	TZS 2,137.8317	TZS 2,166.4257
		S	USD 1 =	TZS 2,010.7875	TZS 2,159.8000	TZS 2,159.2100	TZS 2,188.0900
		B	EUR 1 =	TZS 2,195.1744	TZS 2,263.2993	TZS 2,335.7949	TZS 2,361.6207
		S	EUR 1 =	TZS 2,217.5630	TZS 2,286.1483	TZS 2,359.3688	TZS 2,385.8933
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 34.1461	THB 35.7339	THB 35.9233	THB 35.6172
		S	USD 1 =	THB 34.4524	THB 36.0549	THB 36.2538	THB 35.9432
		B	EUR 1 =	THB 37.6767	THB 37.6249	THB 39.0780	THB 38.7259
		S	EUR 1 =	THB 38.3431	THB 38.3219	THB 39.7995	THB 39.4477
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 591.219	XOF 620.056	XOF 602.514	XOF 600.693
		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 0.4723	USD 0.4460	USD 0.4519	USD 0.4395
		M	TOP 1 =	EUR 0.4279	EUR 0.4224	EUR 0.4131	EUR 0.4003
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.3181	TTD 6.3374	TTD 6.3899	TTD 6.4367
		S	USD 1 =	TTD 6.3733	TTD 6.3933	TTD 6.4493	TTD 6.4683
		B	EUR 1 =	TTD 6.9266	TTD 6.5251	TTD 6.8875	TTD 6.9234
		S	EUR 1 =	TTD 7.2816	TTD 7.1680	TTD 7.3421	TTD 7.3839

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 61. ¹ Explanatory notes on individual countries, see p 65 ff. ² Value against the euro.

IV Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					November 2015	December 2015	January 2016
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 1.9524	TND 2.0465	TND 2.0148	TND 2.0323
		S	USD 1 =	TND 1.9563	TND 2.0505	TND 2.0189	TND 2.0363
	TND	B	EUR 1 =	TND 2.1625	TND 2.1653	TND 2.1941	TND 2.2088
		S	EUR 1 =	TND 2.1668	TND 2.1697	TND 2.1984	TND 2.2133
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B	USD 1 =	TRY 2.7200	TRY 2.9195	TRY 2.9076	TRY 2.9788
		S	USD 1 =	TRY 2.7249	TRY 2.9248	TRY 2.9128	TRY 2.9842
	TRY	B	EUR 1 =	TRY 3.0326	TRY 3.0938	TRY 3.1776	TRY 3.2479
		S	EUR 1 =	TRY 3.0381	TRY 3.0994	TRY 3.1833	TRY 3.2537
Turkmenistan							
Ashgabat 080	Turkmen manat = 100 tenge TMT	M	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 3.8786	TMT 3.7062	TMT 3.8287	TMT 3.8122
Uganda							
Kampala 350	Uganda shilling	B	USD 1 =	UGX 3,257.40	UGX 3,352.12	UGX 3,372.01	UGX 3,474.55
		S	USD 1 =	UGX 3,267.41	UGX 3,362.12	UGX 3,382.01	UGX 3,484.55
	UGX	B	EUR 1 =	UGX 3,594.17	UGX 3,551.57	UGX 3,680.21	UGX 3,801.16
		S	EUR 1 =	UGX 3,605.22	UGX 3,562.17	UGX 3,691.13	UGX 3,812.10
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok UAH	M	USD 100 =	UAH 2,199.5317	UAH 2,388.4656	UAH 2,400.0667	UAH 2,515.1769
		M	EUR 100 =	UAH 2,434.6740	UAH 2,526.9966	UAH 2,622.3129	UAH 2,742.2974
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 4.0565	AED 3.8851	AED 3.9983	AED 4.0104
United Kingdom ¹							
London 006	Pound sterling = 100 pence GBP	M	GBP 1 =	USD 1.5286	USD 1.5053	USD 1.4819	USD 1.4187
		M	EUR 1 =	GBP 0.7236	GBP 0.7016	GBP 0.7350	GBP 0.7626
United States							
Washington 400	US dollar = 100 cents	B	EUR 1 =	USD 1.1029	USD 1.0563	USD 1.0863	USD 1.0833
		S	EUR 1 =	USD 1.1032	USD 1.0568	USD 1.0866	USD 1.0838
	USD	B	GBP 1 =	USD 1.5287	USD 1.5053	USD 1.4740	USD 1.4243
		S	GBP 1 =	USD 1.5291	USD 1.5055	USD 1.4749	USD 1.4248

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

IV Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month			
					November 2015	December 2015	January 2016	
Uruguay								
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 27.389	UYU 29.581	UYU 29.873	UYU 31.008	
		M	EUR 1 =	UYU 30.3701	UYU 31.2597	UYU 32.6019	UYU 33.5739	
Uzbekistan								
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 2,575.45	UZS 2,735.74	UZS 2,809.98	UZS 2,831.49	
		M	EUR 1 =	UZS 2,871.14	UZS 2,931.67	UZS 3,074.19	UZS 3,090.80	
Vanuatu								
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 108.71	VUV 111.19	VUV 109.98	VUV 111.78	
		S	USD 1 =	VUV 114.17	VUV 116.78	VUV 115.50	VUV 117.40	
		B	EUR 1 =	VUV 119.79	VUV 117.70	VUV 119.99	VUV 122.04	
		S	EUR 1 =	VUV 124.37	VUV 122.20	VUV 124.59	VUV 126.71	
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	EUR 1 =	VEF 6.94027048	VEF 6.64365624	VEF 6.86108956	VEF 6.80453176	
			S	EUR 1 =	VEF 6.95987250	VEF 6.66414000	VEF 6.88275000	VEF 6.82227000
		3	B	USD 1 =	VEF 195.6779	VEF 199.0405	VEF 198.2018	VEF 199.0107
			S	USD 1 =	VEF 196.1683	VEF 199.5394	VEF 198.6986	VEF 199.5095
B	EUR 1 =	VEF 215.634902	VEF 210.425617	VEF 216.396725	VEF 215.488786			
S	EUR 1 =	VEF 216.241590	VEF 211.072777	VEF 217.078221	VEF 216.048838			
Viet Nam								
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 21,926	VND 22,470	VND 22,450	VND 22,165	
			S	USD 1 =	VND 21,993	VND 22,540	VND 22,540	VND 22,235
		B	EUR 1 =	VND 24,064.95	VND 23,689.78	VND 24,437.00	VND 24,068.25	
			S	EUR 1 =	VND 24,381.26	VND 23,931.78	VND 24,713.30	VND 24,288.90
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	
		B	EUR 1 =	YER 237.37	YER 227.59	YER 234.89	YER 232.79	
			S	EUR 1 =	YER 237.41	YER 227.63	YER 234.93	YER 232.83
Zambia								
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 8.7719	ZMW 10.3085	ZMW 10.9706	ZMW 11.2443	
			S	USD 1 =	ZMW 8.7919	ZMW 10.3285	ZMW 10.9906	ZMW 11.2643
		B	EUR 1 =	ZMW 9.6840	ZMW 10.9064	ZMW 11.9416	ZMW 12.2755	
			S	EUR 1 =	ZMW 9.7081	ZMW 10.9317	ZMW 11.9644	ZMW 12.2995

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

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

V Value of the special drawing right in selected currencies *

1 End-of-year and end-of-month rates

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
1999	1.37251	1.36467	11.3508	140.111	0.848150	1.98094	2.19297	10.1549	11.0218	11.6873
2000	1.30291	1.40022	10.7847	149.704	0.873149	1.95462	2.13221	10.4500	11.5288	12.4232
2001	1.25673	1.42474	10.3925	165.491	0.866469	2.00147	2.10605	10.5685	11.3251	13.3943
2002	1.35952	1.29639	11.2123	162.414	0.843483	2.14750	1.88539	9.62844	9.47006	11.9542
2003	1.48597	1.17654	12.2989	158.575	0.832619	1.92047	1.83800	8.82099	9.91886	10.7715
2004	1.55301	1.14016	12.8107	161.161	0.804085	1.86920	1.75738	8.46296	9.37796	10.2351
2005	1.42927	1.21155	11.5345	168.610	0.830055	1.66418	1.87848	9.03881	9.67427	11.3363
2006	1.50440	1.14229	11.7474	178.948	0.766377	1.75308	1.83582	8.51702	9.41017	10.3390
2007	1.58025	1.07346	11.5302	179.947	0.788780	1.56144	1.77857	8.02021	8.55074	10.2088
2008	1.54027	1.10675	10.5271	140.464	1.056570	1.88621	1.63839	8.18003	10.7802	12.0833
2009	1.56769	1.08822	10.7045	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070
2010	1.54003	1.15966	10.1995	125.436	0.997755	1.54142	1.44702	8.64469	9.06742	10.4761
2011	1.53527	1.18654	9.67352	119.321	0.992989	1.56254	1.44453	8.82099	9.20039	10.6293
2012	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.7693	11.3176
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2012 Jan	1.55108	1.17720	9.78972	118.441	0.982386	1.55915	1.41707	8.75197	9.01274	10.4728
Feb	1.55602	1.15750	9.79039	125.493	0.975991	1.53517	1.39529	8.60667	8.61245	10.2052
Mar	1.54909	1.15984	9.75039	127.257	0.967633	1.54769	1.39898	8.62917	8.81943	10.2563
Apr	1.55055	1.17341	9.72829	125.735	0.953534	1.53256	1.40976	8.72882	8.90321	10.4211
May	1.51026	1.21765	9.56819	119.008	0.974108	1.56296	1.46344	9.04945	9.16103	10.9270
June	1.51755	1.20536	9.59831	120.342	0.972602	1.54653	1.44987	8.95993	9.07993	10.5670
July	1.50833	1.22788	9.55073	117.876	0.961575	1.51044	1.47530	9.13626	9.11278	10.2610
Aug	1.52201	1.20689	9.65698	119.402	0.960929	1.50116	1.45200	8.99297	8.80134	10.1599
Sep	1.54219	1.19272	9.77899	119.628	0.952499	1.51705	1.44272	8.89229	8.78974	10.0680
Oct	1.54057	1.18569	9.70591	122.691	0.955922	1.53995	1.43057	8.84502	8.75695	10.2185
Nov	1.53481	1.18190	9.65270	126.545	0.955849	1.52437	1.41970	8.81686	8.71771	10.2063
Dec	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013 Jan	1.54134	1.13752	9.67886	140.369	0.976582	1.54010	1.40508	8.48738	8.45745	9.80286
Feb	1.51483	1.15380	9.50995	140.092	0.997128	1.55800	1.41000	8.60274	8.63849	9.7482
Mar	1.49920	1.16987	9.39832	140.999	0.990619	1.52139	1.42738	8.73332	8.71612	9.76134
Apr	1.50900	1.15437	9.35769	147.746	0.974488	1.51986	1.41288	8.60704	8.78194	9.89844
May	1.49877	1.15237	9.26175	151.420	0.985125	1.54958	1.42892	8.59166	8.77408	9.87264
June	1.50396	1.14982	9.29247	148.696	0.987430	1.57594	1.42094	8.57618	9.06569	10.0970
July	1.51326	1.13993	9.35008	148.390	0.995827	1.55669	1.40521	8.49755	8.96604	9.94194
Aug	1.51528	1.14490	9.35060	148.997	0.977536	1.59907	1.40951	8.54022	9.26286	9.99111
Sep	1.53408	1.13594	9.43156	149.957	0.949722	1.57780	1.38865	8.47185	9.21693	9.86368
Oct	1.53804	1.12751	9.44742	151.466	0.959058	1.60402	1.39100	8.40986	9.13734	9.87547
Nov	1.53521	1.12916	9.41540	155.624	0.940751	1.62655	1.38905	8.42197	9.31897	10.0835
Dec	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014 Jan	1.53420	1.13510	9.37884	157.747	0.932079	1.70588	1.38431	8.46998	9.6609	10.0125
Feb	1.54740	1.12025	9.47230	157.526	0.927257	1.71375	1.36450	8.35988	9.26999	10.0439
Mar	1.54563	1.12100	9.50887	158.968	0.928695	1.70838	1.36633	8.36925	9.25386	10.0571
Apr	1.54969	1.11891	9.54299	158.967	0.921285	1.69800	1.36698	8.35143	9.25566	10.1799
May	1.54047	1.13212	9.50390	156.573	0.920785	1.67403	1.38149	8.45059	9.21837	10.2538
June	1.54589	1.13186	9.51158	156.599	0.907482	1.65039	1.37631	8.43889	9.51158	10.4202
July	1.53131	1.14456	9.44430	157.388	0.907013	1.66759	1.39226	8.53424	9.62001	10.5544
Aug	1.51838	1.15134	9.36040	157.472	0.915131	1.64866	1.38856	8.57979	9.37937	10.5872
Sep	1.48258	1.17824	9.12159	162.150	0.916305	1.66168	1.42046	8.76978	9.56627	10.7314
Oct	1.47833	1.18040	9.08595	163.459	0.923728	1.66681	1.41757	8.78735	10.0216	10.8662
Nov	1.46424	1.17374	8.98368	172.546	0.929973	1.64522	1.41446	8.73218	9.98841	10.8774
Dec	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.7693	11.3176
2015 Jan	1.40980	1.24706	8.65194	166.667	0.934763	1.79285	1.30223	9.28315	11.0159	11.6534
Feb	1.40739	1.25213	8.65194	167.846	0.912176	1.76037	1.33534	9.34833	10.7357	11.7788
Mar	1.37949	1.28217	8.47314	165.691	0.932088	1.74961	1.34197	9.57735	11.1594	11.8956
Apr	1.40642	1.25405	8.59838	166.674	0.911718	1.70444	1.31598	9.35918	10.5145	11.6984
May	1.39050	1.26755	8.50933	172.075	0.911926	1.73326	1.30944	9.45555	10.8198	11.7894
June	1.40639	1.25694	8.59816	172.213	0.894767	1.75433	1.30823	9.37726	11.0497	11.5871
July	1.39470	1.27172	8.53170	172.901	0.895528	1.81966	1.34212	9.48902	11.4474	12.0354
Aug	1.40380	1.25172	8.96933	170.141	0.914997	1.85624	1.35382	9.34143	11.7142	11.8760
Sep	1.40374	1.25300	8.92961	168.378	0.923574	1.88016	1.36640	9.34719	11.9341	11.7748
Oct	1.39687	1.26793	8.86942	168.840	0.910075	1.82753	1.38137	9.45600	11.9096	11.8987
Nov	1.37217	1.29707	8.77855	168.502	0.914411	1.82951	1.41484	9.67661	11.9245	11.9797
Dec	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016 Jan	1.38050	1.26419	9.07853	167.040	0.965111	1.94374	1.40783	9.43450	11.9902	11.7571

V Value of the special drawing right in selected currencies *

2 Daily rates

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK	
2015 Nov	2	1.39780	1.26704	8.82768	168.365	0.903849	1.83042	1.37963	9.45028	11.8304	11.9040
	3	1.39516	1.27110	8.83275	.	0.906010	1.82850	1.38149	9.48083	11.8734	11.8961
	4	1.39329	1.27416	8.82550	168.867	0.903563	1.83413	1.37950	9.50453	11.8847	11.9330
	5	1.38999	1.27221	8.80987	168.897	0.903171	1.83019	1.38470	9.52699	11.8863	11.9818
	6	1.38738	1.27704	8.80413	168.844	0.916422	1.84632	1.38197	9.52671	11.8400	11.9879
	9	1.38165	1.28215	8.78426	170.371	0.914754	1.83414	1.38552	9.56489	11.9080	12.0216
	10	1.37971	1.28813	8.77524	169.939	0.913350	1.82936	1.38606	9.60956	11.9493	11.9857
	11	1.37986	1.28767	8.77786	169.557	0.910142	.	1.38883	9.60642	11.8762	11.9573
	12	1.38014	1.28672	8.78156	169.522	0.908884	1.83655	1.38704	9.59914	11.9974	11.9877
	13	1.38408	1.28584	8.81034	169.633	0.909322	1.84526	1.38602	9.59325	11.9994	11.9877
	16	1.38126	1.28813	8.80553	169.232	0.909025	1.84440	1.38913	9.61067	11.9860	12.0023
	17	1.37794	1.29142	8.78302	170.010	0.906479	1.83597	1.39558	9.63568	11.9288	12.0356
	18	1.37801	1.29196	8.79113	170.033	0.905871	1.84006	1.39868	9.63902	11.9293	12.0321
	19	1.38087	1.29210	8.80871	170.192	0.904601	1.83200	1.40365	9.63948	11.9592	12.0224
	20	1.37983	1.29101	8.80049	169.636	0.903497	1.84041	1.40232	9.63122	11.8818	12.0206
	23	1.37556	1.29391	8.78526	.	0.909397	1.83733	1.40541	9.65344	11.8723	11.9934
	24	1.37672	1.29258	8.79562	168.993	0.911137	1.83214	1.40137	9.64329	11.9033	12.0097
	25	1.37356	1.29753	8.77393	168.151	0.912001	1.82697	1.40241	9.68035	11.9126	11.9584
	30	1.37217	1.29707	8.77855	168.502	0.914411	1.82951	1.41484	9.67661	11.9245	11.9797
Dec	1	1.37392	1.29615	8.79121	169.198	0.911212	1.83721	1.41349	9.66950	11.9266	11.9446
	2	1.37335	1.29415	8.78758	168.813	0.913559	1.83480	1.40961	9.65335	11.8293	11.9397
	3	1.36989	1.28375	8.76409	168.893	0.917355	1.83483	1.40276	9.57469	11.7770	11.9214
	4	1.38672	1.27198	8.87233	170.012	0.917381	1.85335	1.38602	9.48947	11.7652	11.8125
	7	1.38239	1.27893	8.85881	170.421	0.917743	1.86733	1.38446	9.54171	11.9280	11.7666
	8	1.38411	1.27275	8.88352	170.440	0.922739	1.88143	1.38052	9.49559	12.1770	11.7849
	9	1.38805	1.26867	8.91798	170.703	0.920946	1.88706	1.37653	9.46539	12.0994	11.7654
	10	1.39134	1.27145	8.95568	169.201	0.916809	1.89209	1.37214	9.48614	11.9987	11.7261
	11	1.39199	1.27123	8.98545	169.712	0.918805	1.90648	1.37390	9.48452	12.1257	11.8290
	14	1.39224	1.26763	8.99151	168.350	0.920793	1.91197	1.36774	9.45779	12.1306	11.8508
	15	1.39383	1.26827	9.00568	168.821	0.919659	1.91345	1.37237	9.46316	12.0416	11.7667
	16	1.38817	1.26970	8.98230	169.190	0.923907	1.91637	1.37401	9.47409	12.1327	11.7885
	17	1.38295	1.27567	8.96427	169.412	0.927162	1.93198	1.37936	9.51801	12.1329	11.8049
	18	1.38360	1.27686	8.96756	169.491	0.927472	1.92072	1.37599	9.52708	12.1302	11.8297
	21	1.38465	1.27383	8.97376	167.889	0.929420	1.93713	1.37745	9.50399	12.1759	11.8515
	22	1.38793	1.26729	8.99143	168.287	0.933193	1.93325	1.37433	9.45582	12.0938	11.7872
	23	1.38776	1.27131	8.98788	.	0.932132	1.92344	1.37194	9.48623	12.1118	11.7284
	24	1.38920	1.26903	8.99969	167.955	0.931038	1.92335	1.37017	.	.	.
	28	1.39034	1.26833	9.01900	167.453	.	.	1.37269	9.46575	12.0974	11.6706
	29	1.38905	1.26831	9.01136	167.144	0.937031	1.92384	1.37322	9.46530	12.0635	11.5929
	30	1.38686	1.26932	9.00098	167.116	0.936435	1.92551	1.37368	9.47221	12.2057	11.5836
	31	1.38573	1.27283	8.99548	.	0.935104	1.91785	1.37478	.	12.2069	11.5742
2016 Jan	4	1.38759	1.27325	9.03677	165.831	0.939461	1.93832	1.38565	9.50092	12.2836	11.6681
	5	1.37956	1.28379	8.99418	164.885	0.940460	1.93042	1.39336	9.57772	12.3090	11.7424
	6	1.37963	1.28433	9.03971	163.486	0.940893	1.94307	1.39163	9.58148	12.3584	.
	7	1.38433	1.27376	9.12784	163.350	0.950381	1.94650	1.38474	9.50173	12.3523	11.8850
	8	1.38434	1.27459	9.12109	163.767	0.948047	1.95898	1.38323	9.50814	12.3393	11.7631
	11	1.38557	1.27257	9.12367	.	0.951104	1.96821	1.38031	9.49379	12.3147	11.7976
	12	1.38215	1.27551	9.08983	162.803	0.957698	1.97523	1.38215	9.51692	12.2945	11.7769
	13	1.37998	1.27587	9.07597	163.154	0.958846	1.97254	1.39033	9.51973	12.1957	11.7858
	14	1.38493	1.27140	9.12434	162.563	0.962825	1.99056	1.38756	9.48758	12.2144	11.8017
	15	1.38355	1.26768	9.11344	163.452	0.964013	2.01002	1.38936	9.46083	12.1805	11.8188
	19	1.38073	1.27045	9.08447	162.346	0.965409	2.00399	1.38943	9.48119	12.2229	11.8229
	20	1.38246	1.26749	9.09562	161.747	0.976515	2.01687	1.38619	9.46029	12.2504	11.7953
	21	1.38161	1.26835	9.09017	161.994	0.978550	1.96783	1.38921	9.46575	12.3071	11.8509
	22	1.37920	1.27609	9.07457	162.470	0.965018	1.95171	1.39603	9.52227	12.0827	11.8303
	25	1.37779	1.27396	9.06470	163.406	0.967886	1.96362	1.39777	9.50670	12.0497	11.8094
	26	1.37806	1.27162	9.06725	162.804	0.968082	1.93783	1.40038	9.48920	12.0624	11.8076
	27	1.38112	1.26848	9.08711	163.346	0.965279	1.93951	1.40267	9.46611	11.9882	11.7884
	28	1.38241	1.26791	9.09041	163.815	0.966249	1.94546	1.40162	9.46190	11.9773	11.7687
	29	1.38050	1.26419	9.07853	167.040	0.965111	1.94374	1.40783	9.43450	11.9902	11.7571
Feb	1	1.37782	1.26592	9.06396	167.130	0.965400	1.92978	1.40745	9.44688	11.9198	11.8012
	2	1.38228	1.26594	9.09471	166.703	0.958323	1.94072	1.41311	9.44751	12.0547	11.7938
	3	1.38424	1.26611	9.10705	165.555	0.954709	1.91662	1.40694	9.44813	12.0455	11.8550
	4	1.39739	1.24700	9.19202	164.962	0.957313	1.91806	1.39879	9.30622	11.8933	11.7835
	5	1.39838	1.24833	9.18679	163.359	0.962473	1.94039	1.38663	9.31619	11.9422	11.7415
	8	1.39427	1.25599	.	163.451	0.966968	1.94097	1.38856	9.37356	12.0430	11.7795
	9	1.39963	1.24566	.	161.377	0.970412	1.93428	1.37205	9.29705	12.0462	11.8490
	10	1.40270	1.24607	.	160.960	0.966184	1.95929	1.36595	9.30051	11.9865	11.8070

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						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other ¹
	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, pp 62–63. **1** Includes countries that have no explicitly stated nominal anchor but rather monitor various indicators in conducting monetary policy. **2** The members participate in the Eastern Caribbean Currency Union. **3** The country maintains a de facto exchange rate anchor to a composite. **4** The member participates in the ERM II. **5** The members participate in the West African Economic and Monetary Union. **6** The members participate in the Central

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

VII ISO currency codes *

As of end-January 2016

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 65 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 still defined as the sum of the values of fixed amounts of four currencies.

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

ber 2010, the new SDR value corresponded with the value calculated on the basis of the old basket.

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

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

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

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

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

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

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

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

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

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

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

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

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

The IMF uses the SDR as unit of account for its transactions and for all conversions into national currencies. In addition, the SDR is used by public and private bodies in Germany and abroad, inter alia as the “successor” to those units of account which had hitherto been defined in terms of gold (eg gold francs).

Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 2015 (see Table VI, pp 46-47) is based on the IMF’s *Annual Report on Exchange Arrangements and Exchange Restrictions 2015*, which can be purchased from the IMF (<http://www.imfbookstore.org>).

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

Exchange rate arrangements are primarily classified on the basis of the degree to which the exchange rate is determined by the market rather than by official action, with market-determined exchange rates being on the whole more flexible. The IMF’s system distinguishes between four major categories. The category “hard pegs” (fixed exchange rate anchors) is subdivided into exchange arrangements with no separate legal tender and currency board arrangements (institutionalised, unilateral exchange rate peg). The category “soft pegs” (less stringent exchange rate anchors) comprises conventional fixed peg arrangements (exchange rate guarantee but no irrevocable parity), stabilised arrangements (exchange rate within a narrow band without any political obligation), crawling pegs (moving central rate without a band), crawl-like arrangements (moving central rate with an annual minimum rate of change) and pegged exchange rates within horizontal bands. The category “floating regimes” (market-determined rates) distinguishes between free-floating rates (intervention in exceptional cases only) and floating rates (more frequent modes of intervention). All other exchange rate arrangements are grouped under the category “residual” (other managed arrangements). The classification system presents members’ exchange rate arrangements against alternative monetary policy frameworks in order to highlight the role of the exchange rate in broad economic policy and to illustrate that different exchange rate

arrangements can be consistent with similar monetary frameworks.

The monetary policy frameworks listed are as follows.

Exchange rate anchor

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

Monetary aggregate target

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

Inflation-targeting framework

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

Other

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

Explanatory notes on individual countries

Angola

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

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

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

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

Argentina

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

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

16 December 2015 USD 1 = ARS 9.726 / 9.826
 EUR 1 = ARS 10.6179 / 10.7516

17 December 2015 USD 1 = ARS 13.300 / 13.400
 EUR 1 = ARS 14.3680 / 14.5095

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

Azerbaijan

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

We recorded the following exchange rates.

18 December 2015 USD 1 = AZN 1.0499
 EUR 1 = AZN 1.1394

21 December 2015 USD 1 = AZN 1.5500
 EUR 1 = AZN 1.6850

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

Bangladesh

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

Benin

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

Bhutan

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

Brunei Darussalam

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

Burkina Faso

See Explanatory notes on Benin.

Cameroon

Cameroon, the Central African Republic, Chad, Congo, Equatorial Guinea and Gabon all belong to the Central African Economic and Monetary Community (CEMAC = Communauté Économique et Monétaire de l'Afrique Centrale). The responsible monetary authority is the "Banque des Etats de l'Afrique Centrale", whose CFA franc (F.CFA = Franc de la Coopération Financière en Afrique Centrale) is legal tender only in the aforementioned countries.

Central African Republic

See Explanatory notes on Cameroon.

Chad

See Explanatory notes on Cameroon.

Congo

See Explanatory notes on Cameroon.

Cook Islands

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

Côte d'Ivoire

See Explanatory notes on Benin.

Cuba

Alongside the convertible peso (CUC), which is primarily intended for use by foreigners, there is the Cuban peso (CUP), which is generally used to pay wages and salaries.

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

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

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

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

El Salvador

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

Equatorial Guinea

See Explanatory notes on Cameroon.

Gabon

See Explanatory notes on Cameroon.

Greece

Greece imposed capital controls by way of a decree dated 28 June 2015; these controls have been renewed and amended several times.

Guinea

In January 2016, the exchange rates were adjusted more sharply.

On the basis of the exchange rates at the end of December 2015 and January 2016 (see p 28), the Guinean franc experienced a devaluation of 11.9% against the US dollar and 12.2% against the euro (on average).

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 36,300 and EUR 1 = IRR 39,850 at the end of January 2016, 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.

Nigeria

Alongside the published exchange rates, there are bureau de change rates, which deviate from the published rates. According to press reports, the bureau de change rates stood at USD 1 = NGN 300 at the beginning of February 2016.

Panama

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

Sao Tome and Principe

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

Senegal

See Explanatory notes on Benin.

Singapore

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

Somalia

No exchange rates are available for the Somali shilling.

South Sudan

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

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

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 1,000 bolívares at the beginning of February 2016.

Exchange rate application

Official exchange rate

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

SIMADI

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

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

SICAD

For the purchase of foreign currency by registered importers and registered domestic households (eg for university studies abroad and for health, sports and culture-related purposes). The exchange rate as at the end of January 2016 was USD 1 = VEF 13.50.