

Exchange rate statistics June 2017

Statistical Supplement 5
to the Monthly Report

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

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

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
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	Data unknown, not to be published or not meaningful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 countries and irrevocable euro conversion rates in the third stage of European Economic and Monetary Union

From	Country	Currency	ISO currency code	EUR 1 = CU ...	Council Regulation (EU) No ¹
1999 January 1	Austria	Austrian schilling	ATS	13.7603	2866/98
	Belgium	Belgian franc	BEF	40.3399	2866/98
	Finland	Finnish markka	FIM	5.94573	2866/98
	France	French franc	FRF	6.55957	2866/98
	Germany	Deutsche Mark	DEM	1.95583	2866/98
	Ireland	Irish pound	IEP	0.787564	2866/98
	Italy	Italian lira	ITL	1,936.27	2866/98
	Luxembourg	Luxembourg franc	LUF	40.3399	2866/98
	Netherlands	Dutch guilder	NLG	2.20371	2866/98
	Portugal	Portuguese escudo	PTE	200.482	2866/98
	Spain	Spanish peseta	ESP	166.386	2866/98
	2001 January 1	Greece	Greek drachma	GRD	340.750	1478/2000
2007 January 1	Slovenia	Slovenian tolar	SIT	239.640	1086/2006
2008 January 1	Cyprus	Cyprus pound	CYP	0.585274	1135/2007
	Malta	Maltese lira	MTL	0.429300	1134/2007
2009 January 1	Slovakia	Slovak koruna	SKK	30.1260	694/2008
2011 January 1	Estonia	Estonian kroon	EEK	15.6466	671/2010
2014 January 1	Latvia	Latvian lats	LVL	0.702804	870/2013
2015 January 1	Lithuania	Lithuanian litas	LTL	3.45280	851/2014

¹ The EU regulations can be found at <http://eur-lex.europa.eu>.

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	¹ 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	¹ 353.109	² 340.750	–	–	–	–	–
	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	³ 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	⁴ 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	⁵ 239.640	–	–
	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	⁶ 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	⁷ 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	⁶ 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	⁸ 30.1260
	Lower rate	–	–	–	–	32.6868	30.1260	25.6071

Source: ECB. * One prerequisite before an EU member state can join the euro area 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 According to the EU communiqué of 31 December 1998. ² Until 31 December 2000; accession to the euro area on 1 January

2001. ³ Until 31 December 2010; accession to the euro area on 1 January 2011. ⁴ Until 31 December 2014; accession to the euro area on 1 January 2015. ⁵ Until 31 December 2006; accession to the euro area on 1 January 2007. ⁶ Until 31 December 2007; accession to the euro area on 1 January 2008. ⁷ Until 31 December 2013; accession to the euro area on 1 January 2014. ⁸ Until 31 December 2008; accession to the euro area on 1 January 2009.

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

1 Daily rates

EUR 1 = CU ...

Period		EU member countries						
		Bulgaria Bulgarian lev BGN	Croatia Kuna HRK	Czechia Czech koruna CZK	Denmark Danish krone DKK	Hungary Hungarian forint HUF	Poland Polish zloty PLN	Romania Romanian leu RON
2017 Mar	1	1.9558	7.4205	27.021	7.4333	307.95	4.2958	4.5207
	2	1.9558	7.4193	27.021	7.4336	308.33	4.2941	4.5220
	3	1.9558	7.4163	27.021	7.4337	309.68	4.3007	4.5328
	6	1.9558	7.4090	27.021	7.4337	309.55	4.3091	4.5290
	7	1.9558	7.4090	27.021	7.4340	309.52	4.3075	4.5384
	8	1.9558	7.4213	27.021	7.4335	310.70	4.3130	4.5503
	9	1.9558	7.4312	27.021	7.4337	311.14	4.3171	4.5499
	10	1.9558	7.4190	27.021	7.4331	312.27	4.3259	4.5490
	13	1.9558	7.4333	27.021	7.4340	312.43	4.3376	4.5560
	14	1.9558	7.4260	27.021	7.4338	311.32	4.3221	4.5435
	15	1.9558	7.4298	27.021	7.4339	310.83	4.3206	4.5423
	16	1.9558	7.4220	27.021	7.4343	310.04	4.2974	4.5508
	17	1.9558	7.4133	27.021	7.4343	308.55	4.2982	4.5633
	20	1.9558	7.4055	27.021	7.4346	308.64	4.2820	4.5605
	21	1.9558	7.4078	27.021	7.4353	308.29	4.2628	4.5646
	22	1.9558	7.4088	27.021	7.4372	309.16	4.2816	4.5590
	23	1.9558	7.4178	27.021	7.4356	309.22	4.2685	4.5555
	24	1.9558	7.4198	27.021	7.4378	309.81	4.2695	4.5527
	27	1.9558	7.4395	27.021	7.4404	310.21	4.2641	4.5491
	28	1.9558	7.4325	27.021	7.4406	309.19	4.2470	4.5529
	29	1.9558	7.4360	27.021	7.4412	309.62	4.2389	4.5563
	30	1.9558	7.4480	27.022	7.4386	309.35	4.2233	4.5448
	31	1.9558	7.4465	27.030	7.4379	307.62	4.2265	4.5525
Apr	3	1.9558	7.4305	27.044	7.4374	308.68	4.2279	4.5495
	4	1.9558	7.4370	27.054	7.4375	309.38	4.2571	4.5442
	5	1.9558	7.4578	27.058	7.4354	309.91	4.2315	4.5397
	6	1.9558	7.4600	26.736	7.4350	309.76	4.2271	4.5236
	7	1.9558	7.4490	26.563	7.4363	310.36	4.2249	4.5178
	10	1.9558	7.4350	26.528	7.4363	311.35	4.2296	4.5118
	11	1.9558	7.4240	26.658	7.4372	311.40	4.2414	4.5104
	12	1.9558	7.4385	26.697	7.4369	311.97	4.2485	4.5205
	13	1.9558	7.4255	26.704	7.4376	312.55	4.2450	4.5189
	18	1.9558	7.4370	26.759	7.4381	312.58	4.2363	4.5180
	19	1.9558	7.4468	26.794	7.4387	313.05	4.2358	4.5341
	20	1.9558	7.4550	26.907	7.4381	313.50	4.2588	4.5405
	21	1.9558	7.4575	26.933	7.4369	314.18	4.2727	4.5437
	24	1.9558	7.4623	26.793	7.4390	311.47	4.2420	4.5285
	25	1.9558	7.4645	26.771	7.4396	311.70	4.2273	4.5255
	26	1.9558	7.4725	26.947	7.4395	311.93	4.2241	4.5338
	27	1.9558	7.4880	26.937	7.4387	312.03	4.2216	4.5288
	28	1.9558	7.4640	26.922	7.4383	312.38	4.2224	4.5348
May	2	1.9558	7.4570	26.893	7.4370	312.20	4.2088	4.5495
	3	1.9558	7.4493	26.871	7.4372	312.15	4.1913	4.5485
	4	1.9558	7.4490	26.767	7.4365	312.05	4.2107	4.5460
	5	1.9558	7.4330	26.781	7.4369	311.47	4.2173	4.5470
	8	1.9558	7.4180	26.712	7.4387	311.24	4.2011	4.5488
	9	1.9558	7.4238	26.672	7.4395	311.73	4.2223	4.5500
	10	1.9558	7.4215	26.642	7.4409	310.59	4.2180	4.5495
	11	1.9558	7.4320	26.598	7.4401	310.57	4.2242	4.5490
	12	1.9558	7.4225	26.576	7.4402	310.24	4.2170	4.5450
	15	1.9558	7.4332	26.471	7.4395	309.17	4.2089	4.5503
	16	1.9558	7.4303	26.420	7.4394	309.54	4.1984	4.5478
	17	1.9558	7.4313	26.435	7.4403	309.42	4.1867	4.5584
	18	1.9558	7.4540	26.632	7.4414	310.69	4.2232	4.5683
	19	1.9558	7.4390	26.503	7.4411	309.60	4.2005	4.5602
	22	1.9558	7.4415	26.488	7.4432	308.65	4.1927	4.5609
	23	1.9558	7.4323	26.483	7.4440	308.48	4.1980	4.5543
	24	1.9558	7.4280	26.463	7.4415	308.11	4.1867	4.5511
	25	1.9558	7.4305	26.413	7.4409	307.93	4.1793	4.5500
	26	1.9558	7.4240	26.434	7.4415	307.40	4.1830	4.5568
	29	1.9558	7.4135	26.435	7.4405	307.84	4.1797	4.5638
	30	1.9558	7.4195	26.467	7.4396	308.63	4.1760	4.5660
	31	1.9558	7.4135	26.422	7.4398	307.20	4.1712	4.5655
June	1	1.9558	7.4130	26.397	7.4394	307.55	4.1830	4.5685
	2	1.9558	7.4113	26.360	7.4392	308.45	4.1925	4.5653
	5	1.9558	7.4008	26.327	7.4398	307.22	4.1838	4.5698
	6	1.9558	7.4065	26.336	7.4384	307.66	4.1992	4.5660
	7	1.9558	7.4058	26.316	7.4387	308.66	4.1913	4.5703
	8	1.9558	7.4228	26.268	7.4383	308.01	4.2065	4.5665
	9	1.9558	7.4150	26.223	7.4378	307.32	4.1903	4.5628

* See Explanatory notes, p 51.

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	
9.5268	0.85550	1.3752	3.2768	1.4044	7.2472	8.1773	70.3960	2017 Mar 1	
9.5195	0.85560	1.3840	3.2687	1.4069	7.2399	8.1622	70.2000	2	
9.5375	0.86355	1.3956	3.3080	1.4161	7.2872	8.2031	70.5920	3	
9.5335	0.86300	1.3937	3.2896	1.4183	7.3050	8.2235	70.5955	6	
9.5218	0.86710	1.3920	3.2974	1.4191	7.2976	8.2120	70.4700	7	
9.5223	0.86753	1.3968	3.3151	1.4193	7.2953	8.1982	70.4960	8	
9.5525	0.86653	1.4044	3.3436	1.4272	7.2912	8.1949	70.3995	9	
9.5778	0.87250	1.4095	3.3694	1.4322	7.3336	8.2367	70.6725	10	
9.5645	0.87258	1.4078	3.3609	1.4350	7.3717	8.2804	70.5475	13	
9.4968	0.87563	1.4073	3.3591	1.4338	7.3511	8.2598	69.9170	14	
9.5603	0.87073	1.3992	3.3553	1.4291	7.3438	8.2527	69.7475	15	
9.4838	0.86810	1.3945	3.3244	1.4277	7.4004	8.3275	70.1205	16	
9.4610	0.86868	1.3940	3.3342	1.4296	7.4141	8.3352	70.2510	17	
9.5078	0.86793	1.3922	3.3416	1.4359	7.4268	8.3497	70.2805	20	
9.4923	0.86753	1.3969	3.3175	1.4349	7.4418	8.3886	70.4930	21	
9.5105	0.86790	1.4086	3.3484	1.4458	7.4433	8.3949	70.6995	22	
9.5095	0.86273	1.4132	3.3608	1.4387	7.4268	8.3780	70.6095	23	
9.5373	0.86600	1.4182	3.3845	1.4448	7.4406	8.3933	70.6520	24	
9.5503	0.86403	1.4261	3.3980	1.4536	7.4895	8.4584	70.8170	27	
9.5318	0.86455	1.4281	3.3947	1.4546	7.4767	8.4346	70.6435	28	
9.5505	0.86385	1.4060	3.3666	1.4380	7.4063	8.3503	69.7590	29	
9.5623	0.86180	1.3988	3.3555	1.4320	7.3973	8.3450	69.6910	30	
9.5322	0.85553	1.3982	3.3800	1.4265	7.3642	8.3074	69.3965	31	
9.5145	0.85260	1.4012	3.3314	1.4229	7.3423	8.2858	69.2805	Apr 3	
9.6100	0.85623	1.4109	3.3395	1.4320	7.3371	8.2765	69.4250	2	
9.5748	0.85510	1.4085	3.2974	1.4291	7.3638	8.2957	69.2930	5	
9.5895	0.85590	1.4103	3.3232	1.4322	7.3577	8.2869	68.8150	6	
9.5963	0.85573	1.4123	3.3349	1.4256	7.3318	8.2596	68.3775	7	
9.6098	0.85335	1.4120	3.3175	1.4155	7.3022	8.2189	68.2915	10	
9.5915	0.85330	1.4137	3.3241	1.4139	7.3256	8.2499	68.4550	11	
9.5553	0.84840	1.4163	3.3330	1.4114	7.3090	8.2416	68.5895	12	
9.5820	0.84763	1.4027	3.3277	1.4069	7.3227	8.2652	68.4915	13	
9.5908	0.84375	1.4155	3.3194	1.4273	7.3524	8.3040	69.0080	18	
9.6195	0.83430	1.4255	3.3368	1.4415	7.3852	8.3397	69.2430	19	
9.6203	0.83920	1.4278	3.3770	1.4494	7.3965	8.3550	69.4375	20	
9.6390	0.83720	1.4219	3.3683	1.4413	7.3666	8.3190	69.1185	21	
9.5825	0.84830	1.4330	3.3903	1.4570	7.4691	8.4376	69.9130	24	
9.6010	0.84928	1.4454	3.4329	1.4790	7.4976	8.4756	70.0130	25	
9.5605	0.84903	1.4559	3.4521	1.4792	7.5061	8.4757	69.8490	26	
9.6244	0.84420	1.4576	3.4387	1.4783	7.5024	8.4672	69.7660	27	
9.6318	0.84473	1.4629	3.4718	1.4914	7.5367	8.5004	70.2615	28	
9.6290	0.84520	1.4518	3.4585	1.4928	7.5263	8.4937	70.1025	May 2	
9.6273	0.84440	1.4615	3.4424	1.4990	7.5267	8.4967	70.0540	3	
9.6438	0.84765	1.4773	3.4822	1.5010	7.5350	8.5040	70.1360	4	
9.6865	0.84710	1.4832	3.4917	1.5094	7.5655	8.5312	70.5650	5	
9.6590	0.84465	1.4791	3.4896	1.4986	7.5513	8.5152	70.3455	8	
9.6698	0.84300	1.4809	3.4730	1.4921	7.5201	8.4755	70.3975	9	
9.6990	0.83985	1.4740	3.4440	1.4905	7.5116	8.4728	70.2390	10	
9.6478	0.84485	1.4737	3.4363	1.4906	7.4957	8.4594	69.9060	11	
9.6673	0.84588	1.4731	3.4227	1.4941	7.5047	8.4761	69.9395	12	
9.6733	0.84928	1.4741	3.4065	1.4931	7.5629	8.5440	70.2725	15	
9.7215	0.85868	1.4920	3.4316	1.5058	7.6185	8.6143	70.8505	16	
9.7573	0.85745	1.5014	3.4446	1.5136	7.6552	8.6573	71.2610	17	
9.7655	0.85363	1.4957	3.4888	1.5183	7.6698	8.6615	72.3908	18	
9.7893	0.85908	1.5031	3.7227	1.5169	7.7015	8.6999	72.2020	19	
9.7895	0.86353	1.5049	3.7029	1.5174	7.7457	8.7533	72.5570	22	
9.7403	0.86463	1.4939	3.6718	1.5104	7.7277	8.7337	72.7795	23	
9.7418	0.86340	1.4970	3.6442	1.5109	7.7119	8.7182	72.4575	24	
9.7275	0.86528	1.5022	3.6660	1.5063	7.7018	8.7372	72.4450	25	
9.7275	0.87190	1.5038	3.6609	1.5077	7.6782	8.7249	72.2175	26	
9.7248	0.87093	1.5045	3.6538	1.5053	7.6714	8.7202	72.2050	29	
9.7688	0.86793	1.4992	3.6509	1.5048	7.6597	8.7070	72.2415	30	
9.7558	0.87365	1.5054	3.6485	1.5108	7.6449	8.7421	72.3340	31	
9.7760	0.87230	1.5182	3.6135	1.5155	7.6389	8.7419	72.3235	June 1	
9.7433	0.87268	1.5173	3.6308	1.5169	7.6507	8.7413	72.2855	2	
9.7448	0.87130	1.5040	3.6660	1.5174	7.6553	8.7651	72.4020	5	
9.7503	0.87230	1.5040	3.7117	1.5170	7.6491	8.7751	72.5835	6	
9.7953	0.86908	1.4845	3.6694	1.5085	7.6253	8.7422	72.1780	7	
9.7885	0.86755	1.4894	3.6852	1.5175	7.6332	8.7551	72.1365	8	
9.7615	0.87638	1.4837	3.6476	1.5098	7.5962	8.7136	71.8000	9	

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

1 Daily rates (cont'd)

EUR 1 = CU ...

		Other European and non-European countries (cont'd)							
		Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway
Period		Indonesian rupiah IDR	New Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK
2017 Mar	1	14,074.19	3.8274	119.84	1,204.93	4.6850	21.1100	1.4793	8.8618
	2	14,045.13	3.8810	120.24	1,204.29	4.6777	20.9495	1.4823	8.8830
	3	14,138.61	3.9133	120.83	1,218.65	4.7062	20.7635	1.5011	8.9303
	6	14,138.32	3.8950	120.55	1,222.76	4.7113	20.6859	1.5079	8.9673
	7	14,115.79	3.8885	120.61	1,215.71	4.7038	20.6124	1.5153	8.9443
	8	14,144.80	3.8879	120.65	1,216.36	4.7082	20.7130	1.5219	8.9513
	9	14,135.85	3.8938	120.95	1,222.35	4.7002	20.8770	1.5277	9.0458
	10	14,185.77	3.9086	122.42	1,226.28	4.7231	20.9681	1.5348	9.1405
	13	14,241.50	3.9009	122.35	1,222.96	4.7450	20.9398	1.5385	9.1298
	14	14,213.91	3.8947	122.13	1,222.47	4.7303	20.8468	1.5389	9.1510
	15	14,191.33	3.8850	121.77	1,217.28	4.7258	20.8010	1.5277	9.1353
	16	14,283.81	3.8918	121.55	1,209.16	4.7618	20.4770	1.5351	9.1588
	17	14,328.53	3.8979	121.49	1,213.19	4.7624	20.5710	1.5318	9.1023
	20	14,314.68	3.9044	121.19	1,199.56	4.7594	20.5514	1.5271	9.1278
	21	14,387.18	3.9046	121.58	1,208.01	4.7804	20.5078	1.5309	9.1253
	22	14,404.65	3.9501	120.07	1,210.08	4.7848	20.6900	1.5353	9.1463
	23	14,363.72	3.9322	119.36	1,207.38	4.7771	20.5962	1.5303	9.1478
	24	14,399.28	3.9347	120.09	1,210.37	4.7800	20.4282	1.5401	9.1793
	27	14,486.06	3.9363	119.93	1,207.95	4.8055	20.4918	1.5416	9.2188
	28	14,441.86	3.9250	119.84	1,209.11	4.7951	20.4927	1.5454	9.2380
	29	14,305.20	3.8972	119.17	1,195.89	4.7495	20.3522	1.5321	9.1908
	30	14,297.39	3.8914	119.39	1,199.08	4.7463	20.1228	1.5304	9.1695
	31	14,237.94	3.8853	119.55	1,194.54	4.7313	20.0175	1.5309	9.1683
Apr	3	14,203.12	3.8690	118.64	1,191.09	4.7202	19.9794	1.5226	9.1468
	4	14,195.65	3.8826	117.55	1,198.13	4.7200	20.1312	1.5260	9.1790
	5	14,227.37	3.9026	118.49	1,202.72	4.7314	20.0177	1.5319	9.1665
	6	14,207.11	3.8895	118.23	1,206.44	4.7320	20.0393	1.5271	9.1688
	7	14,161.42	3.8784	117.64	1,206.35	4.7144	19.9474	1.5249	9.1583
	10	14,047.58	3.8735	117.72	1,208.18	4.6919	19.7586	1.5239	9.1443
	11	14,099.64	3.8817	117.36	1,214.50	4.7066	19.8434	1.5285	9.1245
	12	14,087.68	3.8762	116.22	1,209.26	4.6954	19.9384	1.5320	9.1035
	13	14,091.66	3.8841	116.01	1,202.93	4.6905	19.7661	1.5178	9.1033
	18	14,203.32	3.9152	116.26	1,221.05	4.7113	19.8272	1.5186	9.1093
	19	14,293.20	3.9313	116.91	1,222.42	4.7190	20.0190	1.5283	9.1528
	20	14,316.10	3.9382	117.16	1,220.93	4.7257	20.1980	1.5301	9.2120
	21	14,249.74	3.9366	116.72	1,215.07	4.7061	20.1459	1.5277	9.2478
	24	14,405.06	3.9620	119.67	1,224.22	4.7720	20.1642	1.5442	9.2450
	25	14,460.53	3.9690	120.34	1,228.28	4.7550	20.5205	1.5636	9.3158
	26	14,482.59	3.9612	121.35	1,231.89	4.7357	20.6261	1.5806	9.3485
	27	14,486.96	3.9650	121.27	1,234.33	4.7311	20.6615	1.5832	9.3367
	28	14,568.60	3.9588	121.76	1,243.69	4.7447	20.7500	1.5897	9.3243
May	2	14,529.50	3.9397	122.55	1,233.65	4.7240	20.4568	1.5782	9.3780
	3	14,528.28	3.9495	122.47	1,235.52	4.7159	20.5365	1.5768	9.3878
	4	14,562.96	3.9546	123.31	1,241.17	4.7287	20.7386	1.5925	9.4803
	5	14,611.01	3.9501	123.29	1,251.13	4.7543	20.8874	1.5911	9.5023
	8	14,557.93	3.9430	123.10	1,239.29	4.7425	20.8324	1.5802	9.4465
	9	14,535.48	3.9234	124.04	1,238.96	4.7330	20.8766	1.5788	9.4138
	10	14,535.63	3.9183	123.84	1,234.98	4.7304	20.7574	1.5671	9.4435
	11	14,490.50	3.9220	123.69	1,225.56	4.7225	20.6050	1.5862	9.3330
	12	14,497.16	3.9203	123.82	1,226.52	4.7243	20.5521	1.5892	9.3665
	15	14,591.66	3.9466	124.45	1,225.57	4.7489	20.5020	1.5875	9.3325
	16	14,709.02	3.9874	125.67	1,234.76	4.7791	20.6886	1.6090	9.3918
	17	14,798.95	4.0040	124.82	1,244.79	4.8059	20.7537	1.6130	9.3708
	18	14,986.31	4.0115	123.05	1,260.82	4.8273	21.2750	1.6057	9.4113
	19	14,881.48	4.0087	124.35	1,251.53	4.8310	20.9378	1.6227	9.3923
	22	14,926.00	4.0269	125.18	1,256.08	4.8395	20.9641	1.6120	9.3723
	23	14,916.24	4.0229	124.62	1,260.51	4.8152	20.8753	1.5929	9.3760
	24	14,896.20	4.0179	125.15	1,256.70	4.8052	20.7940	1.5908	9.3843
	25	14,911.26	4.0111	125.33	1,255.74	4.7979	20.6324	1.5944	9.3330
	26	14,891.55	4.0008	124.38	1,251.82	4.7790	20.6839	1.5856	9.4018
	29	14,896.82	3.9968	124.57	1,254.24	4.7775	20.7083	1.5792	9.4065
	30	14,886.35	3.9683	123.97	1,255.99	4.7829	20.7350	1.5799	9.4398
	31	14,932.91	3.9757	124.40	1,255.01	4.8037	21.0559	1.5789	9.4388
June	1	14,932.49	3.9840	124.53	1,258.40	4.8107	20.9199	1.5870	9.4895
	2	14,930.95	3.9938	125.02	1,259.95	4.8014	20.8982	1.5811	9.4918
	5	14,945.42	3.9923	124.30	1,258.29	4.7960	20.6918	1.5769	9.4890
	6	14,967.28	3.9922	123.12	1,261.08	4.8032	20.6935	1.5694	9.5158
	7	14,919.73	3.9772	122.78	1,261.41	4.7790	20.4388	1.5599	9.5023
	8	14,932.32	3.9704	123.77	1,261.42	4.7931	20.4700	1.5575	9.5233
	9	14,862.96	3.9387	123.44	1,256.54	4.7666	20.3526	1.5520	9.5218

* See Explanatory notes, p 51.

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	
53.015	61.4190	1.4842	13.7793	1.0647	36.871	3.8438	1.0533	2017 Mar 1
52.997	61.6805	1.4840	13.7799	1.0651	36.804	3.8972	1.0514	2
53.197	62.0628	1.4933	13.8220	1.0675	37.041	3.9388	1.0565	3
53.251	61.5602	1.4936	13.7644	1.0694	37.104	3.9328	1.0592	6
53.237	61.3560	1.4920	13.7038	1.0730	37.111	3.8894	1.0576	7
53.198	61.7573	1.4947	13.7908	1.0702	37.236	3.9434	1.0556	8
53.117	62.6102	1.4986	13.9979	1.0709	37.287	3.9603	1.0551	9
53.281	62.6964	1.5041	14.0681	1.0743	37.556	3.9801	1.0606	10
53.681	62.9550	1.5073	14.0101	1.0749	37.672	3.9952	1.0663	13
53.481	63.1241	1.5039	13.9904	1.0726	37.554	3.9776	1.0631	14
53.390	62.7435	1.5001	13.8649	1.0715	37.453	3.9497	1.0622	15
53.709	62.1796	1.5035	13.6270	1.0695	37.536	3.9030	1.0726	16
53.867	61.9515	1.5055	13.7004	1.0698	37.418	3.8896	1.0737	17
53.826	61.8563	1.5030	13.6292	1.0720	37.336	3.9067	1.0752	20
54.075	61.8110	1.5088	13.5822	1.0750	37.434	3.8972	1.0802	21
54.272	62.6509	1.5108	13.6114	1.0714	37.425	3.9156	1.0807	22
54.309	62.2001	1.5086	13.4933	1.0700	37.320	3.9038	1.0786	23
54.254	61.6859	1.5126	13.4816	1.0718	37.353	3.9176	1.0805	24
54.516	61.8655	1.5149	13.7610	1.0713	37.404	3.9203	1.0889	27
54.487	61.8842	1.5137	14.0518	1.0693	37.371	3.9353	1.0859	28
54.033	61.2237	1.5006	14.1215	1.0712	37.011	3.9246	1.0748	29
53.865	60.3375	1.4977	13.8165	1.0698	36.951	3.9119	1.0737	30
53.658	60.3130	1.4940	14.2404	1.0696	36.724	3.8894	1.0691	31
53.456	60.0802	1.4899	14.4506	1.0682	36.658	3.8831	1.0661	Apr 3
53.482	60.1167	1.4903	14.6579	1.0673	36.687	3.8921	1.0651	4
53.532	59.6596	1.4948	14.6327	1.0708	36.860	3.9404	1.0678	5
53.489	60.0558	1.4940	14.7229	1.0702	36.904	3.9550	1.0666	6
53.019	60.4918	1.4902	14.6840	1.0695	36.790	3.9726	1.0630	7
52.492	60.5034	1.4880	14.6918	1.0682	36.653	3.9494	1.0578	10
52.631	60.4528	1.4904	14.6891	1.0696	36.726	3.9392	1.0616	11
52.446	60.5067	1.4869	14.5185	1.0678	36.555	3.8965	1.0605	12
52.584	59.9350	1.4845	14.3805	1.0686	36.503	3.8991	1.0630	13
53.064	59.8860	1.4937	14.3001	1.0686	36.693	3.9423	1.0682	18
53.339	60.2656	1.4987	14.2610	1.0690	36.883	3.9292	1.0725	19
53.422	60.4465	1.5009	14.1282	1.0701	36.931	3.9067	1.0745	20
53.306	60.2565	1.4948	14.0587	1.0680	36.790	3.9001	1.0698	21
53.995	60.6905	1.5110	14.0639	1.0806	37.274	3.8969	1.0848	24
54.078	61.0111	1.5170	14.2071	1.0826	37.487	3.9127	1.0891	25
54.278	61.7554	1.5206	14.4178	1.0835	37.548	3.8991	1.0893	26
54.564	62.0780	1.5205	14.5361	1.0820	37.670	3.8797	1.0881	27
54.763	62.1061	1.5258	14.4899	1.0831	37.785	3.8756	1.0930	28
54.577	62.2300	1.5222	14.4886	1.0852	37.657	3.8621	1.0915	May 2
54.583	62.5464	1.5229	14.5730	1.0812	37.654	3.8603	1.0919	3
54.584	63.3428	1.5293	14.7991	1.0843	37.840	3.8910	1.0927	4
54.782	64.1600	1.5402	14.8898	1.0839	38.046	3.9054	1.0961	5
54.567	63.6825	1.5368	14.8494	1.0878	37.922	3.8985	1.0938	8
54.409	63.4665	1.5362	14.8785	1.0938	37.852	3.9148	1.0888	9
54.314	62.9593	1.5348	14.6798	1.0949	37.826	3.9057	1.0882	10
54.176	62.0650	1.5292	14.5157	1.0952	37.740	3.8921	1.0860	11
54.087	62.3148	1.5314	14.6336	1.0963	37.778	3.9038	1.0876	12
54.463	61.7094	1.5342	14.4818	1.0944	37.903	3.9020	1.0972	15
54.898	62.3000	1.5457	14.5287	1.0958	38.187	3.9330	1.1059	16
55.247	63.0276	1.5500	14.5533	1.0923	38.370	3.9472	1.1117	17
55.648	64.5335	1.5491	15.0561	1.0874	38.389	4.0461	1.1129	18
55.564	63.7810	1.5509	14.8274	1.0921	38.422	4.0275	1.1179	19
55.863	63.7417	1.5581	14.8198	1.0911	38.642	4.0027	1.1243	22
55.832	63.3563	1.5569	14.8080	1.0912	38.557	3.9971	1.1215	23
55.944	63.1545	1.5539	14.4977	1.0929	38.454	3.9924	1.1193	24
55.924	63.1321	1.5525	14.4605	1.0904	38.363	3.9967	1.1214	25
55.729	63.7967	1.5479	14.4108	1.0888	38.122	3.9963	1.1196	26
55.713	63.3437	1.5489	14.4857	1.0900	38.168	4.0022	1.1188	29
55.634	63.2618	1.5484	14.6891	1.0903	38.133	3.9738	1.1173	30
55.847	63.7056	1.5518	14.7374	1.0896	38.230	3.9684	1.1221	31
55.776	63.5329	1.5525	14.6408	1.0883	38.313	3.9715	1.1219	June 1
55.553	63.4621	1.5552	14.4367	1.0893	38.306	3.9601	1.1217	2
55.585	63.7150	1.5541	14.3317	1.0856	38.280	3.9562	1.1249	5
55.745	63.8407	1.5553	14.4651	1.0851	38.221	3.9736	1.1258	6
55.573	63.5152	1.5499	14.4307	1.0843	38.166	3.9747	1.1217	7
55.624	64.0135	1.5525	14.4476	1.0856	38.220	3.9865	1.1229	8
55.332	63.6657	1.5469	14.4002	1.0863	38.077	3.9444	1.1176	9

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	Czechia	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
2012 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
Feb	1.9558	7.6355	27.040	7.4628	310.37	4.3970	4.4814	9.4105	0.77559	1.5556
Mar	1.9558	7.5593	27.051	7.4569	311.15	4.2932	4.4666	9.2848	0.78020	1.4823
Apr	1.9558	7.4947	27.031	7.4427	311.46	4.3106	4.4724	9.2027	0.79230	1.4802
May	1.9558	7.4979	27.026	7.4386	314.58	4.4039	4.4991	9.2948	0.77779	1.5461
June	1.9558	7.5204	27.061	7.4371	313.98	4.3996	4.5230	9.3338	0.79049	1.5173
July	1.9558	7.4930	27.042	7.4390	314.35	4.3964	4.4856	9.4742	0.84106	1.4694
Aug	1.9558	7.4866	27.025	7.4408	310.21	4.3005	4.4591	9.4913	0.85521	1.4690
Sep	1.9558	7.5005	27.022	7.4475	308.68	4.3207	4.4502	9.5655	0.85228	1.4768
Oct	1.9558	7.5068	27.022	7.4402	307.00	4.3076	4.4942	9.7073	0.89390	1.4470
Nov	1.9558	7.5211	27.033	7.4406	308.82	4.3911	4.5100	9.8508	0.86894	1.4331
Dec	1.9558	7.5404	27.031	7.4362	312.24	4.4357	4.5164	9.7095	0.84441	1.4356
2017 Jan	1.9558	7.5300	27.021	7.4355	308.99	4.3671	4.5018	9.5110	0.86100	1.4252
Feb	1.9558	7.4476	27.021	7.4348	308.50	4.3081	4.5136	9.4762	0.85273	1.3886
Mar	1.9558	7.4231	27.021	7.4356	309.71	4.2871	4.5476	9.5279	0.86560	1.4018
Apr	1.9558	7.4503	26.823	7.4376	311.57	4.2374	4.5291	9.5941	0.84824	1.4241
May	1.9558	7.4317	26.572	7.4400	309.77	4.1998	4.5539	9.7097	0.85554	1.4878

* See Explanatory notes, p 51. + 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
2.5357	1.2916	8.0806	9.9291	69.6407	11,913.51	4.8974	101.97	1,481.36	3.9688		2012 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
4.3953	1.5317	7.2658	8.6333	75.7172	14,985.33	4.3336	127.35	1,349.77	4.6411		Feb
4.1195	1.4697	7.2220	8.6152	74.3018	14,629.58	4.2927	125.39	1,314.89	4.5167		Mar
4.0374	1.4559	7.3461	8.7954	75.3823	14,932.22	4.2812	124.29	1,300.58	4.4232		Apr
3.9983	1.4626	7.3864	8.7815	75.7016	15,188.82	4.3115	123.21	1,329.46	4.5755		May
3.8570	1.4477	7.4023	8.7162	75.5592	14,969.03	4.3323	118.45	1,310.59	4.5760		June
3.6263	1.4428	7.3910	8.5858	74.3738	14,520.91	4.2686	115.25	1,264.05	4.4471		July
3.5983	1.4557	7.4537	8.6961	75.0303	14,757.31	4.2559	113.49	1,245.55	4.5141		Aug
3.6436	1.4677	7.4819	8.6964	74.8220	14,697.52	4.2210	114.22	1,244.12	4.6108		Sep
3.5158	1.4594	7.4198	8.5533	73.5775	14,361.10	4.2110	114.47	1,243.02	4.6040		Oct
3.6056	1.4519	7.3883	8.3758	73.0550	14,398.18	4.1491	116.93	1,256.71	4.6843		Nov
3.5405	1.4070	7.2983	8.1802	71.5390	14,135.71	4.0401	122.39	1,248.48	4.7013		Dec
3.3929	1.4032	7.3189	8.2332	72.2823	14,181.25	4.0543	122.14	1,254.41	4.7318		2017 Jan
3.3022	1.3942	7.3143	8.2586	71.2908	14,186.74	3.9672	120.17	1,215.92	4.7283		Feb
3.3413	1.4306	7.3692	8.2984	70.3238	14,255.46	3.9012	120.68	1,211.23	4.7413		Mar
3.3620	1.4408	7.3892	8.3364	69.2016	14,265.96	3.9153	118.29	1,215.64	4.7224		Apr
3.5424	1.5041	7.6130	8.6108	71.2681	14,730.60	3.9727	124.09	1,245.02	4.7713		May

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 Mexican peso MXN	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United States US dollar USD
2012 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
Feb	20.4826	1.6732	9.5628	52.816	85.6158	1.5596	17.4987	1.1018	39.507	3.2638	1.1093
Mar	19.5943	1.6481	9.4300	51.722	77.9394	1.5247	17.1222	1.0920	39.089	3.2072	1.1100
Apr	19.8402	1.6458	9.3224	52.598	75.4333	1.5308	16.5695	1.0930	39.780	3.2135	1.1339
May	20.4956	1.6628	9.3036	52.951	74.4745	1.5494	17.3357	1.1059	40.064	3.3230	1.1311
June	20.9430	1.5955	9.3278	52.172	73.1466	1.5205	16.9371	1.0894	39.624	3.2737	1.1229
July	20.5453	1.5514	9.3690	52.102	71.2417	1.4949	15.9449	1.0867	38.794	3.2786	1.1069
Aug	20.7136	1.5491	9.3030	52.254	72.7952	1.5106	15.4198	1.0881	38.916	3.3206	1.1212
Sep	21.5034	1.5328	9.1971	53.359	72.2387	1.5240	15.7305	1.0919	38.935	3.3284	1.1212
Oct	20.8389	1.5409	9.0009	53.304	69.0091	1.5257	15.3593	1.0887	38.666	3.3912	1.1026
Nov	21.6800	1.5102	9.0807	53.160	69.5321	1.5232	15.0351	1.0758	38.155	3.5500	1.0799
Dec	21.6189	1.4982	9.0252	52.493	65.3781	1.5137	14.6142	1.0750	37.730	3.6917	1.0543
2017 Jan	22.6576	1.4923	8.9990	52.800	63.4978	1.5175	14.4012	1.0714	37.645	3.9869	1.0614
Feb	21.6027	1.4733	8.8603	53.208	62.1520	1.5055	14.0389	1.0660	37.258	3.9011	1.0643
Mar	20.6333	1.5255	9.0919	53.683	61.9097	1.5013	13.8125	1.0706	37.260	3.9228	1.0685
Apr	20.1297	1.5389	9.1993	53.441	60.5721	1.4996	14.4384	1.0727	36.967	3.9150	1.0723
May	20.7659	1.5905	9.4001	55.108	63.1641	1.5423	14.6665	1.0904	38.103	3.9463	1.1058

* See Explanatory notes, p 51. + 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	Czechia 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									
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	–	–
2016	1.9558	7.5597	–	27.021	7.4344	–	309.83	–	–
Annual averages +									
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	–	–
2016	1.9558	7.5333	–	27.034	7.4452	–	311.44	–	–

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										
2003	0.4317	4.7019	41,158	41.170	236.7000	9.0800	0.70480	1.6802	3.6698	1.6234
2004	0.4343	4.0845	39,390	38.745	239.7600	9.0206	0.70505	1.7459	3.6201	1.6416
2005	0.4293	3.8600	3 3.6802	37.880	239.5000	9.3885	0.68530	1.6109	2.7462	1.3725
2006	0.4293	3.8310	3.3835	34.435	239.6400	9.0404	0.67150	1.6691	2.8141	1.5281
2007	0.4293	3.5935	3.6077	33.583	–	9.4415	0.73335	1.6757	2.5914	1.4449
2008	–	4.1535	4.0225	30.126	–	10.8700	0.95250	2.0274	3.2436	1.6998
2009	–	4.1045	4.2363	–	–	10.2520	0.88810	1.6008	2.5113	1.5128
2010	–	3.9750	4.2620	–	–	8.9655	0.86075	1.3136	2.2177	1.3322
2011	–	4.4580	4.3233	–	–	8.9120	0.83530	1.2723	2.4159	1.3215
2012	–	4.0740	4.4445	–	–	8.5820	0.81610	1.2712	2.7036	1.3137
2013	–	4.1543	4.4710	–	–	8.8591	0.83370	1.5423	3.2576	1.4671
2014	–	4.2732	4.4828	–	–	9.3930	0.77890	1.4829	3.2207	1.4063
2015	–	4.2639	4.5240	–	–	9.1895	0.73395	1.4897	4.3117	1.5116
2016	–	4.4103	4.5390	–	–	9.5525	0.85618	1.4596	3.4305	1.4188
Annual averages +										
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
2016	–	4.3632	4.4904	–	–	9.4689	0.81948	1.4883	3.8561	1.4659

* See Explanatory notes, p 51. + 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										
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
2016	7.3202	8.1751	–	71.5935	14,173.43	4.0477	123.40	1,269.36	4.7287	21.7719
Annual averages +										
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
2016	7.3522	8.5922	–	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673

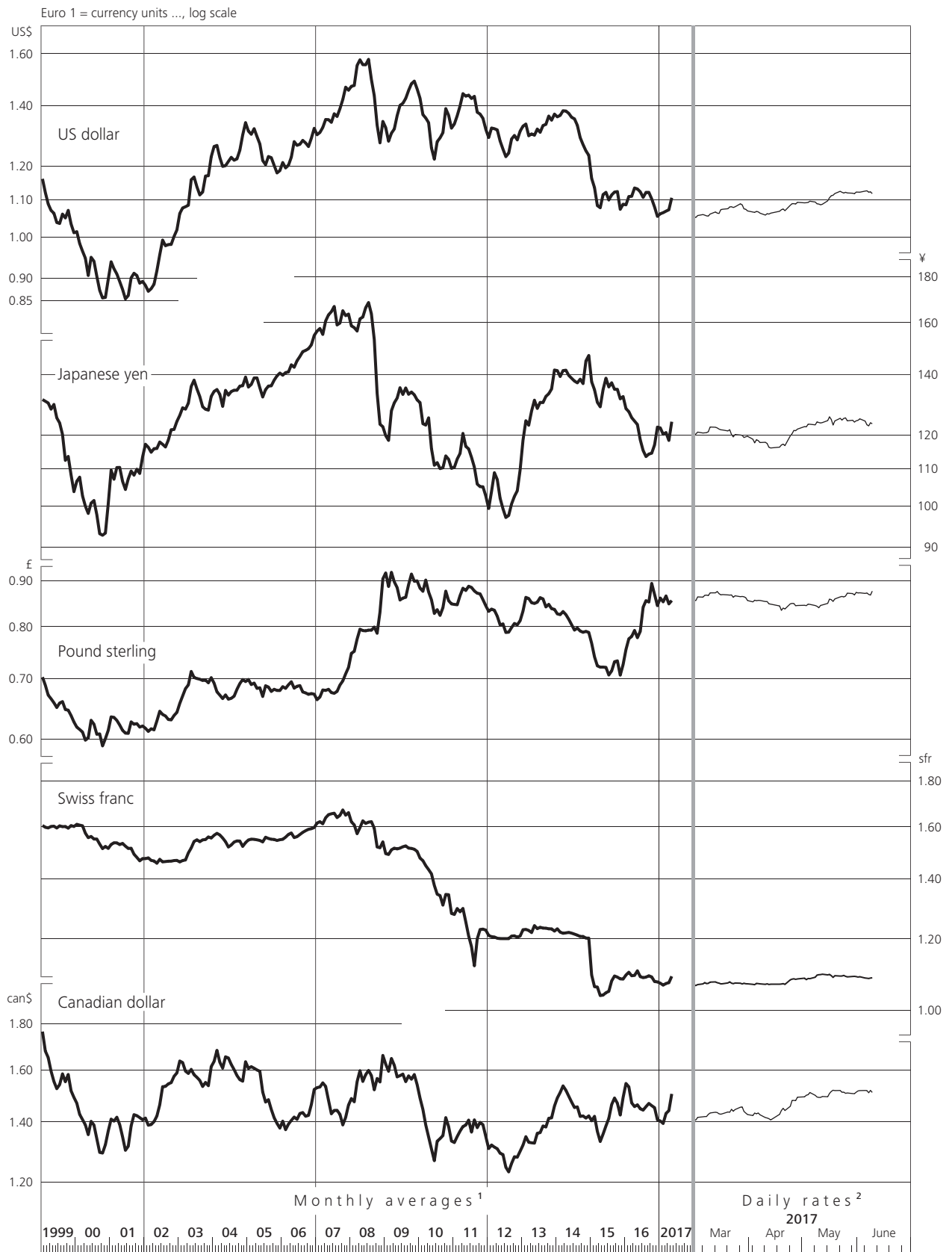
Other European and non-European countries (cont'd)										
	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
Period	New Zealand dollar NZD	Norwegian krona NOK	Philippine peso PHP ¹	Russian rouble RUB ¹	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB ¹	Turkish lira / New Turkish lira TRL / TRY ⁶	US dollar USD
End of year										
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
2016	1.5158	9.0863	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	1.0541
Annual averages +										
2003	1.9438	8.0033	61.336	34.6699	1.9703	8.5317	1.5212	46.923	1,694,851	1.1312
2004	1.8731	8.3697	69.727	35.8192	2.1016	8.0092	1.5438	50.077	1,777,052	1.2439
2005	1.7660	8.0092	68.494	35.1884	2.0702	7.9183	1.5483	50.068	6 1.6771	1.2441
2006	1.9373	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1.8090	1.2556
2007	1.8627	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1.7865	1.3705
2008	2.0770	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1.9064	1.4708
2009	2.2121	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	1.3948
2010	1.8377	8.0043	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	1.3257
2011	1.7600	7.7934	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	1.3920
2012	1.5867	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	1.2848
2013	1.6206	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	1.3281
2014	1.5995	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	1.3285
2015	1.5930	8.9496	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	1.1095
2016	1.5886	9.2906	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	1.1069

* See Explanatory notes, p 51. + 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: May 2017. ² Last updated: 9 June 2017.

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 ²	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	85.8	92.9	99.0	85.7	91.9	90.9	
2001	87.8	87.1	90.5	86.9	92.9	98.1	86.8	91.4	90.8	
2002	90.1	90.2	95.0	90.5	93.5	96.9	89.6	91.9	91.7	
2003	100.7	101.3	106.9	101.4	97.1	95.8	99.2	96.5	96.7	
2004	104.5	105.0	111.5	105.1	98.5	95.4	103.0	98.0	98.3	
2005	102.9	103.5	109.5	102.5	98.5	95.2	103.4	96.9	96.6	
2006	102.8	103.5	109.4	101.8	98.6	94.9	104.3	96.5	95.8	
2007	106.3	106.2	112.9	103.8	100.9	95.2	109.9	97.9	97.0	
2008	109.4	108.3	117.1	105.8	102.2	94.6	115.0	97.8	97.1	
2009	110.8	109.0	120.0	106.8	101.8	94.5	113.9	98.0	97.5	
2010	103.6	101.3	111.5	97.8	98.8	94.1	106.1	93.6	92.0	
2011	103.3	100.2	112.2	97.2	98.2	93.7	105.1	92.8	91.3	
2012	97.6	95.0	107.0	92.4	95.9	93.2	99.8	89.8	88.3	
2013	101.2	98.2	111.9	95.5	98.3	93.3	106.3	91.6	90.2	
2014	101.8	97.9	114.7	96.1	98.5	93.6	106.2	91.8	91.0	
2015	92.4	88.4	106.5	p 87.8	94.7	93.6	95.9	86.9	p 86.3	
2016	94.8	90.1	110.4	p 90.0	p 95.2	p 93.5	97.2	p 87.8	p 87.4	
2013 Aug	101.7	98.7	113.3	96.7	98.6	93.3	106.9	91.9	90.9	
Sep	101.6	98.4	113.2	96.4	98.5	93.3	106.7	91.7	90.8	
Oct	102.5	99.0	114.1	96.8	98.9	93.4	107.7	92.1	91.1	
Nov	102.2	98.7	114.1	96.6	98.9	93.5	107.4	92.1	91.1	
Dec	103.4	99.9	115.7	98.0	99.3	93.5	108.7	92.8	91.9	
2014 Jan	103.0	99.4	115.8	97.9	99.2	93.5	108.2	92.5	91.9	
Feb	103.2	99.6	116.3	98.3	99.0	93.4	107.9	92.6	92.0	
Mar	104.3	100.6	117.5	99.0	99.2	93.4	108.7	93.1	92.4	
Apr	104.2	100.4	117.0	98.4	99.2	93.5	108.3	93.1	92.2	
May	103.6	99.5	116.1	97.3	98.8	93.5	107.3	92.6	91.5	
June	102.7	98.7	115.1	96.5	98.7	93.6	106.6	92.3	91.2	
July	102.3	98.2	114.7	95.9	98.7	93.8	106.3	92.2	91.1	
Aug	101.5	97.5	114.0	95.3	98.4	93.7	105.7	91.8	90.7	
Sep	99.9	95.9	112.3	93.9	98.0	93.8	104.5	91.0	89.9	
Oct	99.1	95.0	111.8	93.2	97.6	93.7	103.5	90.4	89.4	
Nov	99.0	94.9	111.9	93.2	97.7	93.6	104.0	90.3	89.5	
Dec	99.0	94.8	113.1	93.9	97.6	93.6	103.9	90.3	89.8	
2015 Jan	95.2	91.0	108.9	90.1	95.7	93.5	98.6	88.2	87.5	
Feb	93.3	89.5	107.0	88.7	95.3	93.8	97.1	87.6	86.9	
Mar	90.6	86.9	103.8	85.9	94.2	93.7	94.5	86.1	85.2	
Apr	89.7	86.1	102.4	84.7	94.0	93.7	93.9	85.7	84.5	
May	91.6	87.8	104.7	86.5	94.6	93.7	95.6	86.6	85.6	
June	92.3	88.5	106.0	87.6	94.7	93.5	96.1	86.9	86.1	
July	91.3	87.5	105.1	86.6	94.3	93.5	95.0	86.3	85.6	
Aug	93.0	88.9	108.1	88.9	94.9	93.6	96.4	87.2	87.0	
Sep	93.8	89.7	109.6	90.1	95.1	93.6	97.1	87.6	87.7	
Oct	93.6	89.6	109.0	89.6	95.1	93.6	97.1	87.6	87.4	
Nov	91.1	87.1	106.0	p 86.9	94.1	93.6	94.4	86.3	p 85.9	
Dec	92.5	88.3	108.0	p 88.4	94.3	93.3	95.2	86.7	p 86.5	
2016 Jan	93.6	89.1	109.9	p 89.5	94.5	93.4	95.7	87.1	p 87.3	
Feb	94.7	90.0	111.3	p 90.9	95.0	93.4	96.9	87.6	p 87.7	
Mar	94.1	89.5	110.0	p 89.9	95.0	93.5	96.8	87.4	p 87.3	
Apr	94.8	90.1	110.6	p 90.2	95.3	93.6	97.5	87.8	p 87.5	
May	95.1	90.5	111.1	p 90.7	95.2	93.6	97.3	88.1	p 87.9	
June	94.7	90.3	110.5	p 90.3	94.9	93.5	96.6	87.8	p 87.5	
July	94.9	90.4	110.2	p 89.9	95.2	93.6	97.3	87.9	p 87.3	
Aug	95.2	90.6	110.6	p 90.2	95.4	93.5	97.8	88.0	p 87.5	
Sep	95.4	90.7	110.9	p 90.3	95.5	93.6	98.0	88.0	p 87.6	
Oct	95.5	90.8	110.6	p 90.1	95.8	93.7	98.6	88.2	p 87.5	
Nov	95.0	90.2	110.3	p 89.7	95.2	93.5	97.3	87.7	p 87.1	
Dec	94.2	89.6	109.2	p 88.9	p 95.2	p 93.8	96.8	p 87.7	p 87.0	
2017 Jan	94.4	89.8	109.7	p 89.1	p 95.1	p 93.5	96.9	p 87.5	p 86.8	
Feb	93.9	89.5	108.8	p 88.5	p 94.9	p 93.6	96.5	p 87.4	p 86.5	
Mar	94.4	p 89.8	109.2	p 88.6	p 95.1	p 93.5	97.1	p 87.5	p 86.5	
Apr	94.1	p 89.6	108.8	p 88.3	p 94.9	p 93.5	p 96.7	p 87.4	p 86.3	
May	96.0	p 91.2	111.1	p 89.9	p 95.8	p 93.5	p 99.0	p 88.3	p 87.4	

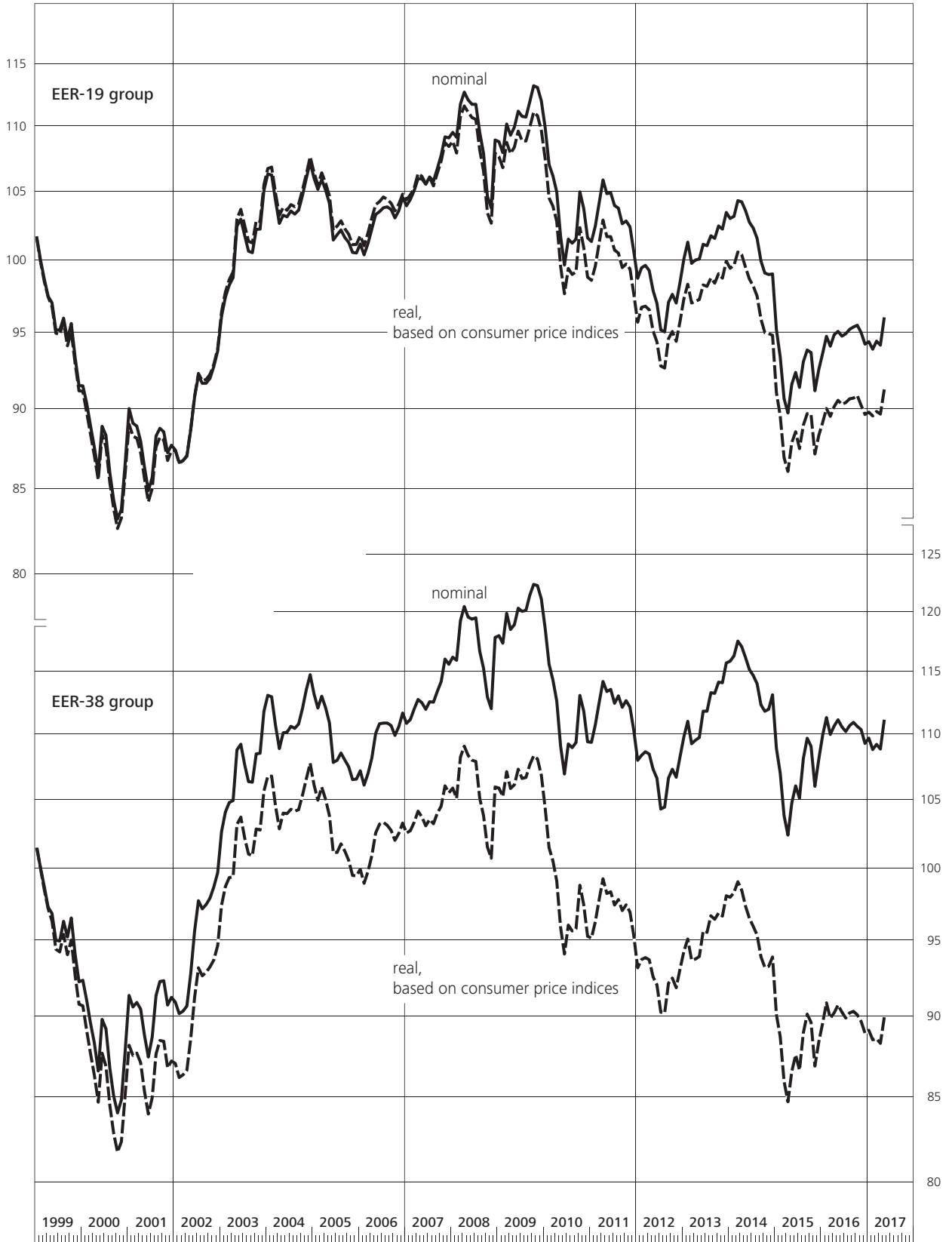
* See Explanatory notes, p 51. ¹ Source: ECB. ² Data for Argentina are currently not available due to the state of emergency in the national statistical system declared by the government of Argentina on 7 January 2016. As a consequence, Argentina is not

included in the calculation of the EER-38 CPI deflated series from February 2016. The policy regarding the inclusion of Argentina will be reconsidered in the future depending on further developments.

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 2016	Rate at end of month			
					March 2017	April 2017	May 2017	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 67.6255	AFN 67.6636	AFN 67.5465	AFN 68.2093	
		S	USD 1 =	AFN 67.7255	AFN 67.7636	AFN 67.6465	AFN 68.3093	
	AFN	B	EUR 1 =	AFN 74.2813	AFN 72.7533	AFN 73.0238	AFN 75.9021	
		S	EUR 1 =	AFN 74.5413	AFN 73.0133	AFN 73.2838	AFN 76.1621	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 124.35	ALL 127.34	ALL 123.55	ALL 119.99
M			EUR 1 =	ALL 137.39	ALL 136.13	ALL 135.03	ALL 134.19	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 109.5779	DZD 110.0544	DZD 109.1674	DZD 108.4206	
		S	USD 1 =	DZD 109.5929	DZD 110.0694	DZD 109.1824	DZD 108.4356	
	DZD	B	EUR 1 =	DZD 121.0722	DZD 117.5491	DZD 119.3636	DZD 121.6154	
		S	EUR 1 =	DZD 121.1234	DZD 117.5981	DZD 119.4019	DZD 121.6431	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 163.205	AOA 165.086	AOA 165.087	AOA 165.090	
		S	USD 1 =	AOA 164.837	AOA 166.737	AOA 166.738	AOA 166.741	
	AOA	B	EUR 1 =	AOA 182.043	AOA 184.484	AOA 184.485	AOA 184.489	
		S	EUR 1 =	AOA 183.827	AOA 186.291	AOA 186.292	AOA 186.295	
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 2.9756	XCD 2.8740	XCD 2.9382	XCD 3.0164	
		V, S	EUR 1 =	XCD 3.0073	XCD 2.9046	XCD 2.9696	XCD 3.0486	
Argentina								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 14.6816	ARS 15.2900	ARS 15.3000	ARS 16.0000	
		S	USD 1 =	ARS 14.7816	ARS 15.3900	ARS 15.4000	ARS 16.1000	
	ARS	B	EUR 1 =	ARS 16.2264	ARS 16.3129	ARS 16.6617	ARS 17.9680	
		S	EUR 1 =	ARS 16.3739	ARS 16.4581	ARS 16.8091	ARS 18.1206	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 480.52	AMD 483.45	AMD 484.68	AMD 482.00	
		M	EUR 1 =	AMD 531.12	AMD 515.99	AMD 530.14	AMD 539.36	
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 196.87	AWG 190.41	AWG 194.67	AWG 199.85	
		S	EUR 100 =	AWG 198.85	AWG 192.33	AWG 196.63	AWG 201.86	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7437	USD 0.7644	USD 0.7475	USD 0.7450
		M	AUD 1 =	EUR 0.6741	EUR 0.7161	EUR 0.6882	EUR 0.6671
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
Azerbaijan							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.5993	AZN 1.7244	AZN 1.7025	AZN 1.7020
		M	EUR 1 =	AZN 1.7664	AZN 1.8407	AZN 1.8495	AZN 1.9016
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
		V, B	EUR 1 =	BSD 1.10137	BSD 1.06375	BSD 1.08754	BSD 1.11649
		V, S	EUR 1 =	BSD 1.12074	BSD 1.08246	BSD 1.10666	BSD 1.13613
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 0.4033858	BHD 0.3925687	BHD 0.3985633	BHD 0.4089520
S	EUR 1 =	BHD 0.4283375	BHD 0.4168513	BHD 0.4232167	BHD 0.4342480		
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 77.9750	BDT 79.6700 r	BDT 80.2300	BDT 80.5700
		S	USD 1 =	BDT 78.9650	BDT 79.6800 r	BDT 80.2300	BDT 80.5700
		B	EUR 1 =	BDT 84.7274	BDT 84.8406 r	BDT 87.4347	BDT 90.5687
		S	EUR 1 =	BDT 88.2358	BDT 84.8990 r	BDT 87.4507	BDT 90.6090
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 2.19619	BBD 2.12893	BBD 2.16975	BBD 2.22780
		S	EUR 1 =	BBD 2.23736	BBD 2.16885	BBD 2.21043	BBD 2.26957
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 1.9916 ²	BYN 1.8720	BYN 1.8740	BYN 1.8642
		M	EUR 1 =	BYN 2.2021 ²	BYN 2.0111	BYN 2.0414	BYN 2.0767

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Currency conversion effective from 1 July 2016: BYR 10,000 = BYN 1; to calculate

the annual average for 2016, the rates set in (old) Belarusian rouble were converted at a rate of 10,000:1 and included in the calculation.

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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
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 2.1888	BZD 2.1177	BZD 2.1633	BZD 2.2254
			EUR 1 =	BZD 2.2274	BZD 2.1551	BZD 2.2015	BZD 2.2646
Benin ¹							
Porto-Novo Seat of Government: Cotonou 284	CFA franc XOF	V 2	USD 1 =	XOF 592.607	XOF 613.560	XOF 600.144	XOF 584.580
			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 1.1025	BMD 1.0648	BMD 1.0886	BMD 1.1176
			EUR 1 =	BMD 1.1117	BMD 1.0737	BMD 1.0977	BMD 1.1269
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum BTN	B S	USD 1 =	BTN 67.04	BTN 63.90	BTN 63.15	BTN 63.45
			USD 1 =	BTN 67.94	BTN 66.00	BTN 65.20	BTN 65.55
		B S	EUR 1 =	BTN 73.90	BTN 68.60	BTN 68.80	BTN 71.20
			EUR 1 =	BTN 74.78	BTN 70.50	BTN 70.70	BTN 73.15
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 7.5883	BOB 7.3340	BOB 7.4980	BOB 7.6976
			EUR 1 =	BOB 7.6989	BOB 7.4409	BOB 7.6073	BOB 7.8098
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga BAM	B S	USD 1 =	BAM 1.768868	BAM 1.817026	BAM 1.784940	BAM 1.746121
			USD 1 =	BAM 1.777735	BAM 1.826134	BAM 1.793888	BAM 1.754873
		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 0.0923	USD 0.0955	USD 0.0961	USD 0.0973
			BWP 1 =	USD 0.0921	USD 0.0952	USD 0.0959	USD 0.0971
		B S	BWP 1 =	EUR 0.0836	EUR 0.0894	EUR 0.0881	EUR 0.0867
			BWP 1 =	EUR 0.0834	EUR 0.0892	EUR 0.0879	EUR 0.0865

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month			
					March 2017	April 2017	May 2017	
Brazil								
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.4827	BRL 3.1678	BRL 3.1978	BRL 3.2431	
		S	USD 1 =	BRL 3.4833	BRL 3.1684	BRL 3.1984	BRL 3.2437	
	BRL	B	EUR 1 =	BRL 3.8029	BRL 3.3883	BRL 3.4834	BRL 3.6436	
		S	EUR 1 =	BRL 3.8043	BRL 3.3896	BRL 3.4850	BRL 3.6449	
	Brunei Darussalam ¹							
	Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3729	BND 1.3873	BND 1.3863	BND 1.3768
S			USD 1 =	BND 1.3939	BND 1.4083	BND 1.4073	BND 1.3978	
BND		B	EUR 1 =	BND 1.4995	BND 1.4676	BND 1.4913	BND 1.5188	
		S	EUR 1 =	BND 1.5562	BND 1.5244	BND 1.5481	BND 1.5756	
Bulgaria								
Sofia 068		Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.76889	BGN 1.82942	BGN 1.78941	BGN 1.74301
	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 592.607	XOF 613.560	XOF 600.144	XOF 584.580	
		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 1,640.7922	BIF 1,691.5734	BIF 1,697.3352	BIF 1,707.0336	
		S	USD 1 =	BIF 1,673.9395	BIF 1,725.7466	BIF 1,731.6248	BIF 1,734.5664	
	BIF	B	EUR 1 =	BIF 1,808.9191	BIF 1,805.8392	BIF 1,843.8152	BIF 1,907.6100	
		S	EUR 1 =	BIF 1,845.4629	BIF 1,842.3208	BIF 1,881.0640	BIF 1,938.3780	
	Cabo Verde							
	Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 100.009	CVE 102.595	CVE 101.236	CVE 98.588
S			USD 1 =	CVE 100.211	CVE 102.797	CVE 101.438	CVE 98.790	
CVE		2	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 4,056	KHR 4,005	KHR 4,034	KHR 4,069	
		B	EUR 1 =	KHR 4,477	KHR 4,278	KHR 4,384	KHR 4,546	
	S	EUR 1 =	KHR 4,522	KHR 4,321	KHR 4,428	KHR 4,592		
Cameroon ¹								
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 613.560	XAF 600.144	XAF 584.580	
		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 1.3248	CAD 1.3322	CAD 1.3665	CAD 1.3500	
		M	EUR 1 =	CAD 1.4585	CAD 1.4251	CAD 1.4887	CAD 1.5164	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
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 0.9224	KYD 0.8909	KYD 0.9108	KYD 0.9351
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 613.560	XAF 600.144	XAF 584.580
		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 592.607	XAF 613.560	XAF 600.144	XAF 584.580
		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 676.30	CLP 662.66	CLP 664.28	CLP 675.31
		M	EUR 1 =	CLP 748.75	CLP 708.42	CLP 722.44	CLP 755.38
China							
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.6420	CNY 6.8993	CNY 6.8931	CNY 6.8633
		M	EUR 1 =	CNY 7.3417	CNY 7.3721	CNY 7.4945	CNY 7.6760
		M	HKD 1 =	CNY 0.85648	CNY 0.88779	CNY 0.88584	CNY 0.88075
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 32.20	TWD 30.32	TWD 30.09	TWD 30.04
		S	USD 1 =	TWD 32.30	TWD 30.42	TWD 30.19	TWD 30.14
		B	EUR 1 =	TWD 35.46	TWD 32.25	TWD 32.57	TWD 33.44
		S	EUR 1 =	TWD 35.86	TWD 32.65	TWD 32.97	TWD 33.84
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,054.174	COP 2,880.24	COP 2,944.31	COP 2,920.42
		V, M	EUR 1 =	COP 3,378.388	COP 3,079.265	COP 3,218.131	COP 3,277.003
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 444.45546	KMF 460.17000	KMF 450.10773	KMF 438.43485
		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 592.607	XAF 613.560	XAF 600.144	XAF 584.580
		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 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,001.9582	CDF 1,338.0744	CDF 1,375.8909	CDF 1,411.0585
		S	USD 1 =	CDF 1,042.8545	CDF 1,392.6897	CDF 1,432.0497	CDF 1,468.6527
	CDF	B	EUR 1 =	CDF 1,101.1857	CDF 1,436.2625	CDF 1,495.4908	CDF 1,578.4890
		S	EUR 1 =	CDF 1,146.1321	CDF 1,494.8855	CDF 1,556.2662	CDF 1,642.9171
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6477	EUR 0.6707	EUR 0.6486	EUR 0.6498
		S	NZD 1 =	EUR 0.6197	EUR 0.6417	EUR 0.6205	EUR 0.6219
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 539.45	CRC 554.43	CRC 557.90	CRC 567.37
		S	USD 1 =	CRC 552.06	CRC 567.34	CRC 570.72	CRC 580.12
	CRC	V, B	EUR 1 =	CRC 595.0202	CRC 592.7411	CRC 609.7847	CRC 636.6459
		V, S	EUR 1 =	CRC 608.9289	CRC 606.5432	CRC 623.7970	CRC 650.9527
Côte d'Ivoire ¹							
Yamoussoukro Seat of Government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 613.560	XOF 600.144	XOF 584.580
		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 6.793055	HRK 6.907027	HRK 6.811021	HRK 6.622321
		S	USD 1 =	HRK 6.833936	HRK 6.948593	HRK 6.852011	HRK 6.662175
	HRK	B	EUR 1 =	HRK 7.504508	HRK 7.416075	HRK 7.447852	HRK 7.395146
		S	EUR 1 =	HRK 7.549670	HRK 7.460705	HRK 7.492674	HRK 7.439650
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 1.06595	CUC 1.03919	CUC 1.05012	CUC 1.08360
		S	EUR 1 =	CUC 1.13772	CUC 1.10912	CUC 1.12078	CUC 1.15661
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 196.48	ANG 190.41	ANG 194.67	ANG 199.85
		S	EUR 100 =	ANG 200.44	ANG 194.25	ANG 198.59	ANG 203.88
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 24.432	CZK 25.282	CZK 24.629	CZK 23.545
		M	EUR 1 =	CZK 27.043	CZK 27.030	CZK 26.920	CZK 26.420

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Parity in relation to the 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 673.27	DKK 695.72	DKK 680.54	DKK 663.02
			EUR 100 =	DKK 744.51	DKK 743.79	DKK 743.83	DKK 743.98
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 193.21	DJF 188.67	DJF 190.21	DJF 196.09
			S	EUR 1 =	DJF 201.01	DJF 196.03	DJF 199.61	DJF 203.75
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 2.9756	XCD 2.8740	XCD 2.9382	XCD 3.0164
			V, S	EUR 1 =	XCD 3.0073	XCD 2.9046	XCD 2.9696	XCD 3.0486
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 45.7225	DOP 46.8859	DOP 46.9517	DOP 47.0828
			S	USD 1 =	DOP 46.1276	DOP 47.3383	DOP 47.4203	DOP 47.4814
		B	EUR 1 =	DOP 49.5990	DOP 49.3279	DOP 49.8589	DOP 51.3383
			S	EUR 1 =	DOP 52.9180	DOP 53.0044	DOP 53.4321	DOP 54.6634
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 10.1049	EGP 18.0000	EGP 17.9500	EGP 17.9500
			S	USD 1 =	EGP 10.1571	EGP 18.1000	EGP 18.0500	EGP 18.0500
		B	EUR 1 =	EGP 11.0444	EGP 19.2978	EGP 19.4901	EGP 20.0412
			S	EUR 1 =	EGP 11.2018	EGP 19.4937	EGP 19.7593	EGP 20.2665
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 9.6854	SVC 9.3546	SVC 9.5638	SVC 9.8184
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 613.560	XAF 600.144	XAF 584.580
		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 15.00	ERN 15.00	ERN 15.00	ERN 15.00
			S	USD 1 =	ERN 15.70	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 16.5083	ERN 16.1100	ERN 16.3470	ERN 16.7760
			S	EUR 1 =	ERN 17.2575	ERN 16.7462	ERN 16.9832	ERN 17.4122
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 21.7838	ETB 22.7519	ETB 22.8561	ETB 22.9763
		S	USD 1 =	ETB 22.2195	ETB 23.2069	ETB 23.3132	ETB 23.4358
	ETB	B	EUR 1 =	ETB 24.0212	ETB 24.4333	ETB 24.8903	ETB 25.6278
S		EUR 1 =	ETB 24.5107	ETB 24.9289	ETB 25.3904	ETB 26.1450	
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.74034	FKP 0.80023	FKP 0.77285	FKP 0.77858
		V	EUR 1 =	FKP 0.81948	FKP 0.85553	FKP 0.84473	FKP 0.87365
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4855	USD 0.4892	USD 0.4845	USD 0.4883
		S	FJD 1 =	USD 0.4685	USD 0.4722	USD 0.4675	USD 0.4713
	FJD	B	FJD 1 =	EUR 0.4383	EUR 0.4558	EUR 0.4433	EUR 0.4340
		S	FJD 1 =	EUR 0.4263	EUR 0.4438	EUR 0.4313	EUR 0.4220
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
Gabon ¹							
Libreville 314	CFA franc	V	USD 1 =	XAF 592.607	XAF 613.560	XAF 600.144	XAF 584.580
	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 43.41	GMD 46.26	GMD 46.65	GMD 47.33
		M	EUR 1 =	GMD 48.60	GMD 50.20	GMD 50.57	GMD 52.49
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.3757	GEL 2.4452	GEL 2.4416	GEL 2.4274
		M	EUR 1 =	GEL 2.6255	GEL 2.6266	GEL 2.6701	GEL 2.7095
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 3.9280	GHS 4.3151	GHS 4.1846	GHS 4.2835
		S	USD 1 =	GHS 3.9319	GHS 4.3194	GHS 4.1887	GHS 4.2878
	GHS	B	EUR 1 =	GHS 4.3326	GHS 4.6149	GHS 4.5593	GHS 4.8202
S		EUR 1 =	GHS 4.3360	GHS 4.6179	GHS 4.5629	GHS 4.8240	
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V	USD 1 =	GIP 0.74034	GIP 0.80023	GIP 0.77285	GIP 0.77858
		V	EUR 1 =	GIP 0.81948	GIP 0.85553	GIP 0.84473	GIP 0.87365
Greece ¹							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
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 2.9756	XCD 2.8740	XCD 2.9382	XCD 3.0164
V, S		EUR 1 =	XCD 3.0073	XCD 2.9046	XCD 2.9696	XCD 3.0486	
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.60438	GTQ 7.33976	GTQ 7.33885	GTQ 7.35264
		V, M	EUR 1 =	GTQ 8.39003	GTQ 7.84694	GTQ 8.02136	GTQ 8.25040
Guinea							
Conakry 260	Guinean franc	B	USD 1 =	GNF 8,612.0636	GNF 8,875.0000	GNF 8,875.0000	GNF 8,855.0000
		S	USD 1 =	GNF 9,088.2761	GNF 9,270.0000	GNF 9,270.0000	GNF 9,250.0000
	GNF	B	EUR 1 =	GNF 9,484.4388	GNF 9,484.0024	GNF 9,659.1062	GNF 9,901.2181
S		EUR 1 =	GNF 10,008.4364	GNF 9,906.1072	GNF 10,089.0045	GNF 10,342.8873	
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 613.560	XOF 600.144	XOF 584.580
		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 227.14	GYD 221.19	GYD 225.08	GYD 230.99
S		EUR 1 =	GYD 230.06	GYD 224.03	GYD 227.97	GYD 233.95	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 63.7147	HTG 69.3523	HTG 67.6004	HTG 62.2023
		V, M	EUR 1 =	HTG 70.2563	HTG 74.1445	HTG 73.8872	HTG 69.7972
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 22.8835	HNL 23.4940	HNL 23.4745	HNL 23.4654
		S	USD 1 =	HNL 23.0436	HNL 23.6585	HNL 23.6388	HNL 23.6297
		V, B	EUR 1 =	HNL 25.2388	HNL 25.1174	HNL 25.6576	HNL 26.3305
		V, S	EUR 1 =	HNL 25.4155	HNL 25.2933	HNL 25.8372	HNL 26.5149
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.74365	HKD 7.74990	HKD 7.75780	HKD 7.76660
		S	USD 1 =	HKD 7.78145	HKD 7.78990	HKD 7.79780	HKD 7.80660
		B	EUR 1 =	HKD 8.52775	HKD 8.26614	HKD 8.46984	HKD 8.68114
		S	EUR 1 =	HKD 8.58753	HKD 8.33346	HKD 8.53706	HKD 8.74846
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 281.44	HUF 288.64	HUF 285.80	HUF 275.42
		M	EUR 1 =	HUF 311.84	HUF 308.70	HUF 311.55	HUF 307.78
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 120.14	ISK 112.83	ISK 105.81	ISK 99.04
		S	USD 1 =	ISK 120.71	ISK 113.37	ISK 106.31	ISK 99.52
		B	EUR 1 =	ISK 133.22	ISK 120.43	ISK 115.73	ISK 111.01
		S	EUR 1 =	ISK 133.96	ISK 121.11	ISK 116.37	ISK 111.63
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	B	USD 1 =	INR 66.81	INR 64.45	INR 63.80	INR 64.15
		S	USD 1 =	INR 67.79	INR 65.30	INR 64.65	INR 65.00
		B	EUR 1 =	INR 73.35	INR 68.48	INR 69.06	INR 71.37
		S	EUR 1 =	INR 75.08	INR 70.03	INR 70.63	INR 72.96
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 13,243.83	IDR 13,254.00	IDR 13,260.00	IDR 13,254.00
		S	USD 1 =	IDR 13,376.83	IDR 13,388.00	IDR 13,394.00	IDR 13,388.00
		B	EUR 1 =	IDR 14,633.44	IDR 14,155.27	IDR 14,410.97	IDR 14,808.69
		S	EUR 1 =	IDR 14,784.94	IDR 14,301.06	IDR 14,561.96	IDR 14,963.77
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 31,002	IRR 32,422	IRR 32,442	IRR 32,450
		M	EUR 1 =	IRR 34,194	IRR 34,859	IRR 35,368	IRR 36,266

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff.

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month			
					March 2017	April 2017	May 2017	
Iraq								
Baghdad 612	Iraqi dinar = 1,000 fils	B	USD 1 =	IQD 1,180.000	IQD 1,182.000	IQD 1,182.000	IQD 1,182.000	
		S	USD 1 =	IQD 1,182.000	IQD 1,184.000	IQD 1,184.000	IQD 1,184.000	
	IQD	B	EUR 1 =	IQD 1,301.283	IQD 1,271.927	IQD 1,287.666	IQD 1,322.222	
		S	EUR 1 =	IQD 1,301.934	IQD 1,272.563	IQD 1,288.310	IQD 1,322.883	
	Ireland							
	Dublin 007	Euro = 100 cent	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
EUR								
Israel								
Jerusalem 624	New Israeli sheqel = 100 agorot	M	USD 1 =	ILS 3.8406	ILS 3.6320	ILS 3.6190	ILS 3.5610	
		M	EUR 1 =	ILS 4.2256	ILS 3.8822	ILS 3.9395	ILS 3.9684	
	ILS							
Italy								
Rome 005	Euro = 100 cent	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221	
	EUR							
Jamaica								
Kingston 464	Jamaican dollar = 100 cents	B	USD 1 =	JMD 125.0655	JMD 127.7664	JMD 128.3320	JMD 129.3032	
		S	USD 1 =	JMD 125.7664	JMD 128.6672	JMD 129.4011	JMD 130.1443	
	JMD	B	EUR 1 =	JMD 136.03736	JMD 132.9661	JMD 134.9741	JMD 139.4800	
		S	EUR 1 =	JMD 139.02909	JMD 137.8385	JMD 140.5454	JMD 146.3224	
	Japan							
	Tokyo 732	Japanese yen = 100 sen	B	USD 1 =	JPY 107.70	JPY 111.19	JPY 110.29	JPY 109.96
S			USD 1 =	JPY 109.70	JPY 113.19	JPY 112.29	JPY 111.96	
JPY		B	EUR 1 =	JPY 119.13	JPY 118.29	JPY 119.35	JPY 122.45	
		S	EUR 1 =	JPY 122.13	JPY 121.29	JPY 122.35	JPY 125.45	
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 0.77769	JOD 0.75905	JOD 0.77037	JOD 0.78659	
		S	EUR 1 =	JOD 0.78450	JOD 0.76467	JOD 0.77539	JOD 0.79321	
	Kazakhstan							
	Astana 079	Tenge = 100 tiyn	M	USD 1 =	KZT 342.02	KZT 314.79	KZT 314.40	KZT 311.23
KZT		M	EUR 1 =	KZT 378.27	KZT 337.96	KZT 343.83	KZT 347.52	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 101.4201	KES 102.9000	KES 103.1250	KES 103.2811	
		S	USD 1 =	KES 101.6164	KES 103.1000	KES 103.3194	KES 103.4811	
	KES	B	EUR 1 =	KES 111.7446	KES 110.4439	KES 112.2511	KES 115.5028	
		S	EUR 1 =	KES 111.9896	KES 110.6833	KES 112.4806	KES 115.7511	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month			
					March 2017	April 2017	May 2017	
Korea, Democratic People's Republic of								
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 108.00	KPW 109.11 ²	KPW 109.45 ³	KPW 107.64 ⁴	
		S	USD 1 =	KPW 108.82	KPW 109.93 ²	KPW 110.28 ³	KPW 108.45 ⁴	
	KPW	B	EUR 1 =	KPW 119.03	KPW 117.40 ²	KPW 119.02 ³	KPW 121.00 ⁴	
		S	EUR 1 =	KPW 119.92	KPW 118.29 ²	KPW 119.92 ³	KPW 121.91 ⁴	
	Korea, Republic of							
	Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,150.51	KRW 1,107.60	KRW 1,129.40	KRW 1,107.60
S			USD 1 =	KRW 1,173.19	KRW 1,129.40	KRW 1,151.60	KRW 1,129.40	
KRW		B	EUR 1 =	KRW 1,266.75	KRW 1,182.34	KRW 1,232.13	KRW 1,237.82	
		S	EUR 1 =	KRW 1,292.34	KRW 1,206.22	KRW 1,257.01	KRW 1,262.82	
Kuwait								
Kuwait 636		Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30140	KWD 0.30345	KWD 0.30290	KWD 0.30225
	S		USD 1 =	KWD 0.30463	KWD 0.30705	KWD 0.30650	KWD 0.30585	
	KWD	B	EUR 1 =	KWD 0.332598	KWD 0.324130	KWD 0.330812	KWD 0.338973	
		S	EUR 1 =	KWD 0.336156	KWD 0.327975	KWD 0.334744	KWD 0.343011	
	Kyrgyzstan							
	Bishkek 083	Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 69.7909	KGS 68.6069	KGS 67.5000	KGS 68.0492
M			EUR 1 =	KGS 77.1283	KGS 73.6358	KGS 73.5818	KGS 75.8068	
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 8,110	LAK 8,193	LAK 8,187	LAK 8,187	
		S	USD 1 =	LAK 8,146	LAK 8,230	LAK 8,224	LAK 8,224	
	LAK	B	EUR 1 =	LAK 8,938	LAK 8,738	LAK 8,888	LAK 9,137	
		S	EUR 1 =	LAK 8,980	LAK 8,778	LAK 8,933	LAK 9,183	
Latvia								
Riga 054	Euro = 100 cents EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221	
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 1,666.27	LBP 1,612.12	LBP 1,643.78	LBP 1,690.51	
Lesotho ¹								
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 14.6321	LSL 13.3450	LSL 13.2950	LSL 13.1180	
		M	EUR 1 =	LSL 16.2188	LSL 14.2465	LSL 14.5022	LSL 14.7204	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Exchange rate as of 1 April 2017. ³ Exchange rate as of 2 May 2017. ⁴ Exchange rate as of 1 June 2017.

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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 94.33	LRD 104.00	LRD 106.00	LRD 111.12
		S	USD 1 =	LRD 95.33	LRD 105.00	LRD 107.00	LRD 111.81
	LRD	V, B	EUR 1 =	LRD 104.0004	LRD 111.1864	LRD 115.8580	LRD 124.6878
V, S		EUR 1 =	LRD 105.1035	LRD 112.2555	LRD 116.9510	LRD 125.4620	
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3904	LYD 1.4173	LYD 1.4079	LYD 1.3948
		S	USD 1 =	LYD 1.3973	LYD 1.4244	LYD 1.4150	LYD 1.4018
	LYD	B	EUR 1 =	LYD 1.5321	LYD 1.5244	LYD 1.5344	LYD 1.5610
		S	EUR 1 =	LYD 1.5398	LYD 1.5320	LYD 1.5421	LYD 1.5689
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 7.9839	MOP 7.9929	MOP 8.0015	MOP 8.0101
		S	USD 1 =	MOP 8.0158	MOP 8.0249	MOP 8.0335	MOP 8.0421
	MOP	B	EUR 1 =	MOP 8.7839	MOP 8.5137	MOP 8.7320	MOP 8.9347
		S	EUR 1 =	MOP 8.8539	MOP 8.5929	MOP 8.8112	MOP 9.0139
Macedonia, former Yugoslav Republic of							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 55.4361	MKD 57.1719	MKD 56.0913	MKD 54.9418
		S	USD 1 =	MKD 55.9933	MKD 57.7465	MKD 56.6551	MKD 55.4940
	MKD	B	EUR 1 =	MKD 61.2875	MKD 61.3854	MKD 61.3078	MKD 61.3865
S		EUR 1 =	MKD 61.9035	MKD 62.0024	MKD 61.9240	MKD 62.0035	
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,179.59	MGA 3,221.68	MGA 3,195.19	MGA 3,122.70
		M	EUR 1 =	MGA 3,508.46	MGA 3,440.20	MGA 3,483.37	MGA 3,494.57
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 707.6550	MWK 716.9509	MWK 717.9582	MWK 717.5856
		S	USD 1 =	MWK 725.5648	MWK 734.5137	MWK 734.6634	MWK 734.5758
	MWK	B	EUR 1 =	MWK 780.5850	MWK 765.2734	MWK 779.8462	MWK 801.9019
		S	EUR 1 =	MWK 800.3427	MWK 784.0199	MWK 797.9914	MWK 820.8885

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Malaysia							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.0849	MYR 4.3632	MYR 4.2863	MYR 4.2170
		S	USD 1 =	MYR 4.2091	MYR 4.4818	MYR 4.4027	MYR 4.3410
	MYR	B	EUR 1 =	MYR 4.4830	MYR 4.6360	MYR 4.6522	MYR 4.6870
		S	EUR 1 =	MYR 4.6592	MYR 4.8136	MYR 4.8305	MYR 4.8753
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.37	MVR 15.39	MVR 15.39	MVR 15.40
		V, M	EUR 1 =	MVR 16.95186	MVR 16.45345	MVR 16.82127	MVR 17.28034
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 613.560	XOF 600.144	XOF 584.580
		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 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
Mauritania							
Nouakchott 228	Ouguiya = 5 khoums MRO	B	USD 1 =	MRO 351.33	MRO 357.61	MRO 357.78	MRO 357.93
		S	USD 1 =	MRO 354.85	MRO 361.20	MRO 361.37	MRO 361.52
	MRO	B	EUR 1 =	MRO 387.32	MRO 384.01	MRO 389.98	MRO 401.31
		S	EUR 1 =	MRO 391.20	MRO 387.86	MRO 393.89	MRO 405.34
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 35.1574	MUR 34.9877	MUR 34.6540	MUR 34.2556
		S	USD 1 =	MUR 36.3850	MUR 36.2786	MUR 35.9151	MUR 35.5394
	MUR	B	EUR 1 =	MUR 38.7731	MUR 37.3226	MUR 37.6173	MUR 38.2454
		S	EUR 1 =	MUR 40.1439	MUR 38.7133	MUR 39.0002	MUR 39.6946
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 18.7528	MXN 18.7225	MXN 18.8610	MXN 18.6385
		S	USD 1 =	MXN 18.7586	MXN 18.7275	MXN 18.8660	MXN 18.6435
	MXN	V, B	EUR 1 =	MXN 20.6145	MXN 20.0162	MXN 20.6151	MXN 20.9143
		V, S	EUR 1 =	MXN 20.6211	MXN 20.0216	MXN 20.6205	MXN 20.9199
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 19.9399	MDL 19.4797	MDL 19.2567	MDL 18.2215
		M	EUR 1 =	MDL 22.0525	MDL 20.9191	MDL 20.9869	MDL 20.3270
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,165.48	MNT 2,447.45	MNT 2,419.42	MNT 2,397.97
		M	EUR 1 =	MNT 2,382.89	MNT 2,616.81	MNT 2,633.66	MNT 2,682.13

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. 1 Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month			
					March 2017	April 2017	May 2017	
Morocco								
Rabat 204	Moroccan dirham = 100 centimes	B	USD 1 =	MAD 9.7860	MAD 9.9907	MAD 9.8843	MAD 9.6920	
		S	USD 1 =	MAD 9.8449	MAD 10.0510	MAD 9.9437	MAD 9.7502	
	MAD	B	EUR 1 =	MAD 10.811	MAD 10.666	MAD 10.741	MAD 10.877	
		S	EUR 1 =	MAD 10.876	MAD 10.730	MAD 10.806	MAD 10.943	
	Mozambique							
	Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 63.35	MZN 67.85	MZN 64.05	MZN 59.34
S			USD 1 =	MZN 63.49	MZN 67.95	MZN 65.27	MZN 60.48	
MZN		B	EUR 1 =	MZN 69.84	MZN 72.75	MZN 69.86	MZN 66.46	
		S	EUR 1 =	MZN 69.99	MZN 72.86	MZN 71.19	MZN 67.73	
Myanmar								
Nay Pyi Taw 676		Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,241.08	MMK 1,362.00	MMK 1,358.00	MMK 1,365.00
	M		EUR 1 =	MMK 1,369.15	MMK 1,455.40	MMK 1,476.00	MMK 1,525.30	
Namibia ¹								
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 14.6574	NAD 13.5226	NAD 13.3144	NAD 13.0996	
		M	EUR 1 =	NAD 16.1723	NAD 14.4360	NAD 14.4898	NAD 14.6537	
Nepal								
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 107.52	NPR 103.58	NPR 102.46	NPR 103.10	
		S	USD 1 =	NPR 108.12	NPR 104.18	NPR 103.06	NPR 103.70	
	NPR	B	EUR 1 =	NPR 118.49	NPR 111.19	NPR 112.09	NPR 115.02	
		S	EUR 1 =	NPR 119.15	NPR 111.83	NPR 112.74	NPR 115.69	
Netherlands								
Amsterdam Seat of Government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221	
New Caledonia ¹								
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.28	USD 8.96	USD 9.16	USD 9.40	
		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 0.7109	USD 0.7138	USD 0.7026	USD 0.7240	
		S	NZD 1 =	USD 0.6855	USD 0.6884	USD 0.6775	USD 0.6983	
	NZD	B	NZD 1 =	EUR 0.6477	EUR 0.6707	EUR 0.6486	EUR 0.6498	
		S	NZD 1 =	EUR 0.6197	EUR 0.6417	EUR 0.6205	EUR 0.6219	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 28.6774	NIO 29.6796	NIO 29.7989	NIO 29.9226
		V, M	EUR 1 =	NIO 31.63069	NIO 31.73046	NIO 32.57020	NIO 33.57615
Niger 1							
Niamey 240	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 613.560	XOF 600.144	XOF 584.580
		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 253.31	NGN 305.35	NGN 304.85	NGN 304.40
		S	USD 1 =	NGN 254.31	NGN 306.35	NGN 305.85	NGN 305.40
		B	EUR 1 =	NGN 279.4240	NGN 326.2359	NGN 333.2011	NGN 341.6281
		S	EUR 1 =	NGN 280.5293	NGN 327.3043	NGN 334.2941	NGN 342.7504
Norway							
Oslo 028	Norwegian krone = 100 øre NOK	B	USD 1 =	NOK 8.3694	NOK 8.5490	NOK 8.5303	NOK 8.4084
		S	USD 1 =	NOK 8.4325	NOK 8.6140	NOK 8.5953	NOK 8.4734
		B	EUR 1 =	NOK 9.2357	NOK 9.1308	NOK 9.2820	NOK 9.4060
		S	EUR 1 =	NOK 9.3054	NOK 9.2028	NOK 9.3540	NOK 9.4780
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 0.4231360	OMR 0.4128768	OMR 0.4183680	OMR 0.4290816
		S	EUR 1 =	OMR 0.4244048	OMR 0.4140290	OMR 0.4195730	OMR 0.4302760
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B	USD 1 =	PKR 104.40	PKR 104.65	PKR 104.50	PKR 104.70
		S	USD 1 =	PKR 104.60	PKR 104.85	PKR 104.70	PKR 104.90
		B	EUR 1 =	PKR 115.40	PKR 111.73	PKR 113.57	PKR 117.01
		S	EUR 1 =	PKR 115.62	PKR 111.94	PKR 113.78	PKR 117.23
Panama 1							
Panama City 442	Balboa = 100 centésimos PAB	3	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1069	PAB 1.0691	PAB 1.0930	PAB 1.1221
Papua New Guinea							
Port Moresby 801	Kina = 100 toea PGK	B	PGK 1 =	USD 0.3260	USD 0.3220	USD 0.3220	USD 0.3220
		S	PGK 1 =	USD 0.3110	USD 0.3070	USD 0.3070	USD 0.3070
		B	PGK 1 =	EUR 0.2938	EUR 0.3000	EUR 0.2946	EUR 0.2866
		S	PGK 1 =	EUR 0.2791	EUR 0.2852	EUR 0.2797	EUR 0.2716

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. 1 Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,672.44	PYG 5,634.49	PYG 5,566.59	PYG 5,591.83
		S	USD 1 =	PYG 5,685.30	PYG 5,641.79	PYG 5,576.72	PYG 5,601.52
	PYG	V, B	EUR 1 =	PYG 6,272.17	PYG 6,023.83	PYG 6,084.28	PYG 6,274.59
		V, S	EUR 1 =	PYG 6,286.42	PYG 6,031.64	PYG 6,095.35	PYG 6,285.47
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.372	PEN 3.246	PEN 3.242	PEN 3.270
		S	USD 1 =	PEN 3.377	PEN 3.249	PEN 3.246	PEN 3.272
	PEN	B	EUR 1 =	PEN 3.628	PEN 3.381	PEN 3.477	PEN 3.651
		S	EUR 1 =	PEN 3.878	PEN 3.585	PEN 3.692	PEN 3.774
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 46.87244	PHP 49.15680	PHP 49.22573	PHP 49.11732
		S	USD 1 =	PHP 48.25174	PHP 51.16320	PHP 50.67428	PHP 50.56268
	PHP	B	EUR 1 =	PHP 51.72197	PHP 52.48472	PHP 53.69542	PHP 54.74125
		S	EUR 1 =	PHP 53.24397	PHP 54.62695	PHP 55.27550	PHP 56.35211
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.9435	PLN 3.9455	PLN 3.8696	PLN 3.7354
		M	EUR 1 =	PLN 4.3757	PLN 4.2198	PLN 4.2170	PLN 4.1737
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
Qatar							
Doha 644	Qatari riyal = 100 dirham QAR	M	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.014	QAR 3.892	QAR 3.979	QAR 4.084
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.0569	RON 4.2615	RON 4.1453	RON 4.0844
		M	EUR 1 =	RON 4.4934	RON 4.5511	RON 4.5333	RON 4.5702
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 66.8335	RUB 56.3779	RUB 56.9838	RUB 56.5168
		M	EUR 1 =	RUB 73.2104	RUB 60.5950	RUB 62.0440	RUB 62.9484

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. 1 Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 780.776613	RWF 817.913103	RWF 819.023616	RWF 819.776147
		S	USD 1 =	RWF 796.390569	RWF 834.269713	RWF 835.402434	RWF 836.170015
	RWF	B	EUR 1 =	RWF 862.393156	RWF 873.163133	RWF 890.524378	RWF 916.099845
		S	EUR 1 =	RWF 879.639277	RWF 890.624632	RWF 908.333066	RWF 934.419991
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound ² = 100 pence SHP	V	USD 1 =	SHP 0.74034	SHP 0.80023	SHP 0.77285	SHP 0.77858
		V	EUR 1 =	SHP 0.81948	SHP 0.85553	SHP 0.84473	SHP 0.87365
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 2.9756	XCD 2.8740	XCD 2.9382	XCD 3.0164
		V, S	EUR 1 =	XCD 3.0073	XCD 2.9046	XCD 2.9696	XCD 3.0486
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 2.9756	XCD 2.8740	XCD 2.9382	XCD 3.0164
		V, S	EUR 1 =	XCD 3.0073	XCD 2.9046	XCD 2.9696	XCD 3.0486
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 2.9756	XCD 2.8740	XCD 2.9382	XCD 3.0164
		V, S	EUR 1 =	XCD 3.0073	XCD 2.9046	XCD 2.9696	XCD 3.0486
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.38973	USD 0.39309	USD 0.38886	USD 0.39296
		M	WST 1 =	EUR 0.35372	EUR 0.36373	EUR 0.35735	EUR 0.35106
Sao Tome and Principe ¹							
São Tomé 311	Dobra = 100 céntimos	B	USD 1 =	STD 22,258.97	STD 22,818.29	STD 22,516.31	STD 21,927.86
		S	USD 1 =	STD 22,592.85	STD 23,160.57	STD 22,854.06	STD 22,256.78
	STD	³	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 4.0229	SAR 3.8514	SAR 3.9404	SAR 4.0999
		S	EUR 1 =	SAR 4.2856	SAR 4.1499	SAR 4.2449	SAR 4.3377

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 592.607	XOF 613.560	XOF 600.144	XOF 584.580
	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 111.1409	RSD 115.7808	RSD 113.0249	RSD 109.4351
		S	USD 1 =	RSD 111.8098	RSD 116.4776	RSD 113.7051	RSD 110.0937
	RSD	B	EUR 1 =	RSD 122.7830	RSD 123.5960	RSD 122.8016	RSD 122.2937
		S	EUR 1 =	RSD 123.5219	RSD 124.3398	RSD 123.5406	RSD 123.0297
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 12.9885	SCR 13.3100	SCR 13.4938	SCR 13.2468
		S	USD 1 =	SCR 13.5165	SCR 13.7670	SCR 13.8047	SCR 13.8034
	SCR	B	EUR 1 =	SCR 14.4673	SCR 14.2266	SCR 14.6201	SCR 15.0461
		S	EUR 1 =	SCR 14.8800	SCR 14.7354	SCR 15.0398	SCR 15.4276
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 6,285.30	SLL 7,191.40	SLL 7,188.17	SLL 7,249.62
		S	USD 1 =	SLL 6,412.28	SLL 7,336.68	SLL 7,333.38	SLL 7,396.08
	SLL	B	EUR 1 =	SLL 6,925.75 V	SLL 7,686.38	SLL 7,833.77	SLL 8,102.67
		S	EUR 1 =	SLL 7,065.66 V	SLL 7,840.94	SLL 7,990.40	SLL 8,264.12
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3835	SGD 1.3978	SGD 1.3964	SGD 1.3847
		M	EUR 1 =	SGD 1.5254	SGD 1.4923	SGD 1.5175	SGD 1.5476
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 196.48	ANG 190.41	ANG 194.67	ANG 199.85
		S	EUR 100 =	ANG 200.44	ANG 194.25	ANG 198.59	ANG 203.88
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1256	USD 0.1265	USD 0.1258	USD 0.1258
		M	SBD 1 =	EUR 0.1140	EUR 0.1180	EUR 0.1156	EUR 0.1125

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
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 14.5296	ZAR 13.1913	ZAR 13.0975	ZAR 12.9800
		S	USD 1 =	ZAR 14.8471	ZAR 13.5088	ZAR 13.4150	ZAR 13.2975
	ZAR	B	EUR 1 =	ZAR 15.8664	ZAR 14.0563	ZAR 14.2698	ZAR 14.5615
		S	EUR 1 =	ZAR 16.2975	ZAR 14.4810	ZAR 14.6968	ZAR 14.9917
South Sudan ¹							
Juba 225	South Sudanese pound = 100 piastres	B	USD 1 =	SSP 30.9462 ²	SSP .	SSP .	SSP .
		S	USD 1 =	SSP 31.4204 ²	SSP .	SSP .	SSP .
	SSP	B	EUR 1 =	SSP 34.3887 ²	SSP .	SSP .	SSP .
		S	EUR 1 =	SSP 34.9252 ²	SSP .	SSP .	SSP .
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0691	USD 1.0930	USD 1.1221
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 144.14	LKR 150.06	LKR 150.44	LKR 150.81
		S	USD 1 =	LKR 147.97	LKR 153.91	LKR 154.24	LKR 154.61
	LKR	B	EUR 1 =	LKR 158.29	LKR 159.28	LKR 162.50	LKR 167.49
		S	EUR 1 =	LKR 164.52	LKR 165.43	LKR 168.68	LKR 173.82
Sudan ¹							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 6.1962	SDG 6.6667	SDG 6.6667	SDG 6.6667
		S	USD 1 =	SDG 6.2272	SDG 6.7000	SDG 6.7000	SDG 6.7000
	SDG	B	EUR 1 =	SDG 6.8267	SDG 7.1687	SDG 7.2640	SDG 7.4492
		S	EUR 1 =	SDG 6.8608	SDG 7.2045	SDG 7.3004	SDG 7.4865
Suriname							
Paramaribo 492	Suriname dollar = 100 cent	B	USD 1 =	SRD 6.320	SRD 7.487	SRD 7.484	SRD 7.465
		S	USD 1 =	SRD 6.434	SRD 7.613	SRD 7.610	SRD 7.590
	SRD	B	EUR 1 =	SRD 6.958	SRD 8.029	SRD 8.134	SRD 8.330
		S	EUR 1 =	SRD 7.084	SRD 8.154	SRD 8.260	SRD 8.460
Swaziland ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 14.6400	SZL 13.3263	SZL 13.3188	SZL 13.0513
		S	USD 1 =	SZL 14.6839	SZL 13.3763	SZL 13.3688	SZL 13.1013
	SZL	B	EUR 1 =	SZL 16.14487	SZL 14.2351	SZL 14.4948	SZL 14.6057
		S	EUR 1 =	SZL 16.19715	SZL 14.2939	SZL 14.5505	SZL 14.6642
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.5274	SEK 8.9009	SEK 8.8061	SEK 8.6835
		S	USD 1 =	SEK 8.5949	SEK 8.9684	SEK 8.8736	SEK 8.7510
	SEK	B	EUR 1 =	SEK 9.4489	SEK 9.5299	SEK 9.6057	SEK 9.7387
		S	EUR 1 =	SEK 9.5004	SEK 9.5814	SEK 9.6572	SEK 9.7902

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Average from January to June 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Switzerland							
Berne 039	Swiss franc = 100 rappen / centimes CHF	B	USD 1 =	CHF 0.9852	CHF 1.0001	CHF 0.9934	CHF 0.9740
		B	EUR 1 =	CHF 1.0902	CHF 1.0696	CHF 1.0824	CHF 1.0888
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 467.91	SYP 514.85 ³	SYP 514.85	SYP 514.85
		S	USD 1 =	SYP 470.72	SYP 520.00 ³	SYP 520.00	SYP 520.00
		B	EUR 1 =	SYP 515.56	SYP 549.21 ³	SYP 552.30	SYP 574.88
		S	EUR 1 =	SYP 519.18	SYP 554.70 ³	SYP 557.83	SYP 580.63
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 7.8496	TJS 8.2293	TJS 8.4999	TJS 8.8200
		M	EUR 1 =	TJS 8.6825	TJS 8.8490	TJS 9.2776	TJS 9.8361
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,166.1774	TZS 2,212.8515	TZS 2,216.2277	TZS 2,218.3861
		S	USD 1 =	TZS 2,187.8392	TZS 2,234.9800	TZS 2,238.3900	TZS 2,240.5700
		B	EUR 1 =	TZS 2,386.6230	TZS 2,375.4961	TZS 2,408.5963	TZS 2,478.3810
		S	EUR 1 =	TZS 2,411.1094	TZS 2,399.6980	TZS 2,432.9061	TZS 2,503.8370
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 35.1247	THB 34.2857	THB 34.4649	THB 33.9293
		S	USD 1 =	THB 35.4649	THB 34.6144	THB 34.7852	THB 34.2680
		B	EUR 1 =	THB 38.5268	THB 36.4362	THB 37.2679	THB 37.7243
		S	EUR 1 =	THB 39.2756	THB 37.1446	THB 37.9766	THB 38.4628
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 613.560	XOF 600.144	XOF 584.580
		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 0.4499	USD 0.4482	USD 0.4428	USD 0.4468
		M	TOP 1 =	EUR 0.4071	EUR 0.4186	EUR 0.4058	EUR 0.3996
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.6274	TTD 6.7202	TTD 6.7190	TTD 6.6553
		S	USD 1 =	TTD 6.6648	TTD 6.7726	TTD 6.7739	TTD 6.7880
		B	EUR 1 =	TTD 7.2338	TTD 7.1532	TTD 7.3204	TTD 7.4771
		S	EUR 1 =	TTD 7.7041	TTD 7.6866	TTD 7.6576	TTD 7.8379

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Value against the euro. ³ Exchange rate as of 4 April 2017.

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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 2.1357	TND 2.2667	TND 2.3874	TND 2.4271
		S	USD 1 =	TND 2.1380	TND 2.2689	TND 2.3897	TND 2.4296
	TND	B	EUR 1 =	TND 2.3595	TND 2.4215	TND 2.6049	TND 2.7226
		S	EUR 1 =	TND 2.3620	TND 2.4240	TND 2.6075	TND 2.7254
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B	USD 1 =	TRY 3.0218	TRY 3.6386	TRY 3.5583	TRY 3.5642
		S	USD 1 =	TRY 3.0272	TRY 3.6452	TRY 3.5647	TRY 3.5707
	TRY	B	EUR 1 =	TRY 3.3408	TRY 3.9083	TRY 3.8787	TRY 3.9744
		S	EUR 1 =	TRY 3.3468	TRY 3.9153	TRY 3.8857	TRY 3.9816
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 3.8696	TMT 3.7573	TMT 3.8287	TMT 3.9036
Uganda							
Kampala 350	Uganda shilling	B	USD 1 =	UGX 3,423.30	UGX 3,609.19	UGX 3,639.63	UGX 3,597.63
		S	USD 1 =	UGX 3,433.30	UGX 3,619.19	UGX 3,649.63	UGX 3,607.63
	UGX	B	EUR 1 =	UGX 3,766.57	UGX 3,873.74	UGX 3,954.46	UGX 4,021.43
		S	EUR 1 =	UGX 3,777.58	UGX 3,884.48	UGX 3,965.32	UGX 4,032.61
Ukraine							
Kyiv 072	Hryvnia = 100 kopyok UAH	M	USD 100 =	UAH 2,558.7328	UAH 2,697.6058	UAH 2,655.1453	UAH 2,635.2778
		M	EUR 100 =	UAH 2,831.1578	UAH 2,896.4193	UAH 2,889.0636	UAH 2,944.3959
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 4.0514	AED 3.9263	AED 4.0140	AED 4.1209
United Kingdom ¹							
London 006	Pound sterling = 100 pence GBP	M	GBP 1 =	USD 1.3542	USD 1.2507	USD 1.2938	USD 1.2912
		M	EUR 1 =	GBP 0.8227	GBP 0.8551	GBP 0.8417	GBP 0.8710
United States							
Washington 400	US dollar = 100 cents USD	M	EUR 1 =	USD 1.10344	USD 1.0651	USD 1.0895	USD 1.1241
		M	GBP 1 =	USD 1.35493	USD 1.2545	USD 1.2946	USD 1.2888

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 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 2016	Rate at end of month		
					March 2017	April 2017	May 2017
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 30.084 r	UYU 28.523	UYU 28.109	UYU 28.278
		M	EUR 1 =	UYU 33.2936 r	UYU 30.4440	UYU 30.6332	UYU 31.7887
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 2,973.82	UZS 3,595.02	UZS 3,706.22	UZS 3,846.33
		M	EUR 1 =	UZS 3,310.38	UZS 3,883.95	UZS 3,967.46	UZS 4,316.74
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 108.99	VUV 108.34	VUV 109.51	VUV 108.91
		S	USD 1 =	VUV 114.61	VUV 114.34	VUV 115.59	VUV 114.95
		B	EUR 1 =	VUV 120.03	VUV 115.93	VUV 119.34	VUV 122.01
		S	EUR 1 =	VUV 124.65	VUV 120.48	VUV 124.03	VUV 126.80
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar = 100 céntimos VEF	² B	USD 1 =	VEF 9.975	VEF 9.975	VEF 9.975	VEF . 1
		S	USD 1 =	VEF 10.000	VEF 10.000	VEF 10.000	VEF . 1
		B	EUR 1 =	VEF 11.043023	VEF 10.639335	VEF 10.863773	VEF . 1
		S	EUR 1 =	VEF 11.074900	VEF 10.671000	VEF 10.895000	VEF . 1
		³ B	USD 1 =	VEF 574.2342	VEF 707.9731	VEF 715.6453	VEF 2,004.9750 1
		S	USD 1 =	VEF 575.6734	VEF 709.7475	VEF 717.4389	VEF 2,010.0000 1
		B	EUR 1 =	VEF 633.275665	VEF 755.124108	VEF 779.409296	VEF 2,252.1884 1
		S	EUR 1 =	VEF 635.097637	VEF 757.371557	VEF 781.649682	VEF 2,258.0340 1
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 22,332	VND 22,720	VND 22,695	VND 22,680
		S	USD 1 =	VND 22,403	VND 22,790	VND 22,765	VND 22,750
		B	EUR 1 =	VND 24,544.09	VND 24,194.49	VND 24,733.99	VND 25,255.87
		S	EUR 1 =	VND 24,785.72	VND 24,410.27	VND 24,979.79	VND 25,506.33
Yemen							
Sana'a 653	Yemeni rial = 100 fils YER	B	USD 1 =	YER 241.22	YER 250.00	YER 250.00	YER 250.00
		S	USD 1 =	YER 241.60	YER 250.50	YER 250.50	YER 250.50
		B	EUR 1 =	YER 265.85	YER 268.78	YER 272.43	YER 279.69
		S	EUR 1 =	YER 266.27	YER 269.31	YER 272.97	YER 280.25
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 10.2260	ZMW 9.6273	ZMW 9.3099	ZMW 9.2302
		S	USD 1 =	ZMW 10.2640	ZMW 9.6767	ZMW 9.3599	ZMW 9.2790
		B	EUR 1 =	ZMW 11.2881	ZMW 10.2752	ZMW 10.1488	ZMW 10.3572
		S	EUR 1 =	ZMW 11.3329	ZMW 10.3308	ZMW 10.2061	ZMW 10.4128

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² DIPRO (the annual averages relate to the period March to December

2016). ³ DICOM (the annual averages relate to the period March to December 2016).

V Value of the special drawing right in selected currencies *

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

SDR 1 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
2016	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2013 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
Feb	1.38131	1.26866	9.04429	156.641	0.997049	1.86795	1.38394	9.46450	12.0578	11.7931
Mar	1.40882	1.23744	9.11129	158.675	0.978139	1.82738	1.35529	9.22041	11.6498	11.4779
Apr	1.41733	1.24294	9.19084	158.372	0.969847	1.77861	1.36390	9.25249	11.4537	11.3943
May	1.40288	1.25774	9.23753	155.846	0.959693	1.83777	1.38913	9.35454	11.7220	11.6901
June	1.39884	1.25999	9.29463	143.941	1.03710	1.81976	1.36527	9.37348	11.7190	11.8640
July	1.39338	1.25383	9.27042	144.912	1.05743	1.81711	1.35799	9.32523	11.9229	12.0072
Aug	1.39434	1.25255	9.31255	143.561	1.06131	1.82993	1.37245	9.32297	11.6193	11.9107
Sep	1.39581	1.25062	9.31064	141.089	1.07693	1.83089	1.35980	9.31871	11.2387	12.0301
Oct	1.37385	1.25511	9.30085	143.979	1.12879	1.84137	1.35874	9.33724	11.3393	12.3613
Nov	1.35376	1.27293	9.32175	152.149	1.08718	1.81756	1.37312	9.47104	11.4806	12.4014
Dec	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017 Jan	1.35883	1.26344	9.34798	154.363	1.09042	1.77055	1.34918	9.39655	11.2295	11.9779
Feb	1.35389	1.27762	9.30016	152.381	1.08834	1.79364	1.36080	9.49677	11.3315	12.2395
Mar	1.35685	1.26915	9.35008	152.035	1.08962	1.80596	1.35820	9.43984	11.6359	12.1213
Apr	1.37102	1.25437	9.45689	152.526	1.05940	1.87309	1.35759	9.33036	11.6961	12.1179
May	1.38432	1.23369	9.45340	153.590	1.07826	1.86883	1.34417	9.17835	11.6445	12.0657

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	
2017 Mar	1	1.34846	1.28022	9.27635	152.376	1.09497	1.79858	1.36222	9.51638	11.3451	12.2173
	2	1.34695	1.28111	9.27016	153.553	1.09678	1.80317	1.36258	9.52327	11.3800	12.1782
	3	1.34644	1.27444	9.29454	153.831	1.10139	1.80491	1.36287	9.47382	11.3811	12.2199
	6	1.34917	1.27376	9.30475	153.535	1.10055	1.80842	1.36212	9.46871	11.4222	12.1190
	7	1.34814	1.27471	9.30146	153.688	1.10616	1.80879	1.36755	9.47616	11.4015	12.1361
	8	1.34676	1.27582	9.29817	153.086	1.10853	1.81476	1.36400	9.48389	11.4202	12.1500
	9	1.34654	1.27622	9.30917	154.098	1.10808	1.81958	1.36580	9.48704	11.5444	12.1863
	10	1.34749	1.27050	9.32045	155.231	1.10969	1.81427	1.36447	9.44376	11.6130	12.1677
	13	1.35152	1.26748	9.33384	155.222	1.10554	1.81739	1.36260	9.42250	11.5718	12.1323
	14	1.34877	1.26871	9.33271	154.906	1.11211	.	.	.	.	.
	15	1.34960	1.27057	9.32705	154.934	1.10700	1.81224	1.36161	9.44528	11.6071	12.1032
	16	1.35607	1.26428	9.34807	153.778	1.10294	1.80615	1.35295	9.39903	11.5793	12.0293
	17	1.35682	1.26368	9.37198	153.931	1.09779	1.80959	1.35288	9.39461	11.5024	11.9552
	20	1.35769	1.26273	9.37488	.	1.09633	1.81360	1.35457	9.38791	11.5260	11.9714
	21	1.36143	1.26035	9.39144	153.433	1.09247	1.81302	1.35530	9.37111	11.5011	11.9652
	22	1.36175	1.26006	9.37647	151.849	1.09386	1.81930	1.35249	9.37128	11.5249	12.0040
	23	1.36223	1.26296	9.38289	151.862	1.08979	1.81667	1.35229	9.39099	11.5534	11.9885
	24	1.36311	1.26156	9.39691	151.769	1.09075	1.82303	1.35180	9.38324	11.5802	12.0296
	27	1.36710	1.25549	9.39911	150.914	1.08608	1.82823	1.34673	9.34143	11.5742	11.9809
	28	1.36589	1.25784	9.40362	151.027	1.08788	1.82674	1.34663	9.35909	11.6199	11.9991
	29	1.36187	1.26709	9.38315	151.467	1.09550	1.82000	1.35369	9.42863	11.6456	12.0656
	30	1.35992	1.26657	9.37365	151.427	1.09191	1.80923	1.35407	9.42152	11.6138	12.0814
	31	1.35685	1.26915	9.35008	152.035	1.08962	1.80596	1.35820	9.43984	11.6359	12.1213
Apr	3	1.35680	1.27268	.	151.012	1.08527	1.81595	1.36087	9.46548	11.6410	12.1015
	4	1.35668	1.27375	.	149.899	1.08987	1.82134	1.36156	9.47355	11.6918	12.1702
	5	1.35754	1.27135	9.35970	150.402	1.08790	1.82033	1.36161	9.45296	11.6538	12.1858
	6	1.35694	1.27221	9.35909	149.942	1.08939	1.82074	1.36156	9.45886	11.6647	12.2126
	7	1.35549	1.27515	9.35156	149.687	1.09107	1.81568	1.36294	9.48245	11.6782	12.2169
	10	1.35251	1.27860	9.34309	150.696	1.09020	1.80546	1.36576	9.50814	11.6919	12.2763
	11	1.35462	1.27602	9.34999	150.092	1.09015	1.80598	1.36411	9.49010	11.6430	12.3145
	12	1.35597	1.27862	9.34641	148.452	1.08504	1.80344	1.36641	9.50887	11.6399	12.2433
	13	1.35859	1.27808	9.35340	147.883	1.08332	1.80353	1.36471	.	.	12.1998
	14	1.35839	.	9.35471	148.295	.	.	1.36409	.	.	.
	17	1.35923	.	9.36084	147.205	.	1.80628	1.36426	.	.	.
	18	1.36098	1.27408	9.37532	148.483	1.07502	1.82058	1.36356	9.47679	11.6060	12.2406
	19	1.36485	1.27258	9.39858	148.154	1.06301	1.83708	1.35993	9.46647	11.6477	12.2232
	20	1.36541	1.27074	9.40185	148.762	1.06660	1.84085	1.36022	9.45197	11.7061	12.2136
	21	1.36309	1.27415	9.37981	148.917	1.06550	1.84099	1.36091	9.47580	11.7831	12.2367
	24	1.36833	1.26137	9.42250	150.571	1.06747	1.84616	1.36108	9.38333	11.6613	12.1301
	25	1.36893	1.25694	9.42711	150.473	1.06789	1.86065	1.36263	9.35113	11.7094	12.0900
	26	1.36843	1.25625	9.42818	152.375	1.06721	1.86011	1.36145	9.34579	11.7440	11.9877
	27	1.36909	1.25824	9.43904	152.380	1.06131	1.86525	1.35950	9.35962	11.7477	12.0047
	28	1.37102	1.25437	9.45689	152.526	1.05940	1.87309	1.35759	9.33036	11.6961	12.1179
May	1	1.36944	.	.	152.624	.	.	1.36218	.	.	.
	2	1.36940	1.25460	9.44519	153.373	1.05958	1.87881	1.36173	9.33053	11.7656	12.1081
	3	1.36927	1.25403	9.43922	.	1.05932	1.87782	1.35654	9.32636	11.7726	12.0731
	4	1.36892	1.25278	9.44064	.	1.06233	.	1.35838	9.31628	11.8767	12.1038
	5	1.37069	1.25051	9.45582	.	1.05967	1.87948	1.35670	9.29999	11.8828	12.1144
	8	1.37040	1.25288	9.46038	154.512	1.05741	1.87813	1.36067	9.31984	11.8353	12.0649
	9	1.36675	1.25528	9.43948	155.126	1.05741	1.87627	1.37030	9.33872	11.8169	12.0904
	10	1.36602	1.25530	9.43031	155.521	1.05508	1.86762	1.37530	9.34056	11.8544	12.1275
	11	1.36545	1.25732	9.42596	155.866	1.05894	1.87163	1.37583	9.35454	11.7346	12.1076
	12	1.36551	1.25553	9.42667	155.505	1.06224	1.87267	1.37589	.	11.7599	12.1439
	15	1.37036	1.24896	9.45278	155.399	1.06000	1.86931	1.36790	9.29161	11.6559	12.0932
	16	1.37326	1.24176	9.46647	155.851	1.06520	1.86709	1.35953	9.23796	11.6623	12.0711
	17	1.37735	1.23896	9.48857	155.159	1.06179	1.87512	1.35490	9.21820	.	12.0923
	18	1.38081	1.24074	9.51728	153.312	1.05935	1.87943	1.34947	9.23284	11.6770	12.0790
	19	1.38060	1.23499	9.51520	153.771	1.06159	1.86989	1.35092	9.18966	11.5994	12.1048
	22	1.38322	1.23029	9.53107	154.201	1.06418	.	1.34324	9.15734	11.5306	12.0590
	23	1.38340	1.23352	9.53225	153.668	1.06686	1.86620	1.34369	9.18231	11.5655	12.0106
	24	1.38101	1.23382	9.51547	154.397	1.06543	1.85884	1.34828	9.18147	11.5785	12.0343
	25	1.38249	1.23282	9.49677	154.341	1.06673	1.85986	1.34475	.	.	.
	26	1.38353	1.23573	9.48686	154.346	1.07634	1.86167	1.34216	.	11.6182	12.0049
	30	1.38059	1.23565	.	153.039	1.07310	1.85952	1.34856	9.19278	11.6644	12.0752
	31	1.38432	1.23369	9.45340	153.590	1.07826	1.86883	1.34417	9.17835	11.6445	12.0657
June	1	1.38478	1.23431	9.41682	153.710	1.07736	1.86945	1.34185	9.18257	11.7130	12.0314
	2	1.38331	1.23322	9.42943	154.418	1.07621	1.86802	1.34374	9.17423	11.7055	12.0182
	5	1.38572	1.23186	9.42676	153.205	1.07366	1.86837	1.33777	.	.	11.9711
	6	1.38757	1.23252	9.43023	152.453	1.07510	1.86781	1.33873	9.16800	11.7285	.
	7	1.38562	1.23529	9.41336	151.726	1.07413	1.86948	1.34031	9.18890	11.7380	12.0389
	8	1.38634	1.23460	9.41877	152.289	1.07115	1.87197	1.34003	9.18341	11.7575	12.0483
	9	1.38213	1.23670	9.39558	152.449	1.08373	1.85939	1.34316	9.19836	11.7756	12.0721

Source: IMF, Washington. * See Explanatory notes, pp 53–54. 1 ISO currency code: XDR.

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2016

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 Nauru ² Tuvalu			
Currency board	Djibouti Hong Kong ECCU ³ 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 Turkmenistan United Arab Emirates Venezuela, Bolivarian Republic of	Cabo Verde Comoros Denmark ⁴ Sao Tome and Principe WAEMU ⁶ Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC ⁷ Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Libya Morocco	Bhutan Lesotho Namibia Nepal Swaziland			Samoa Solomon Islands ⁵
Stabilised arrangement	Guyana Lebanon Maldives Trinidad and Tobago	Macedonia, former Yugoslav Republic of	Singapore Viet Nam ⁸		Bangladesh ⁸ Bolivia, Plurinational State of ⁸ Burundi ⁸ Congo, Democratic Republic of the ⁸ Nigeria ⁸ Suriname ⁸ Yemen ⁸	Czechia ⁹	Costa Rica ^{8 10} Lao People's Democratic Republic ⁸ Sudan ⁸
Crawling peg	Honduras Nicaragua		Botswana				
Crawl-like arrangement		Croatia	Iran, Islamic Republic of ⁸		Ethiopia ⁸ Uzbekistan ⁸	Dominican Republic ⁸	Jamaica ^{8 10} Mauritania ^{8 11} Papua New Guinea ⁸ Sri Lanka ^{8 10 11} Tunisia ^{5 10}

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2016

Exchange rate arrangement	Monetary Policy Framework					Monetary aggregate target	Inflation-targeting framework	Other 1
	Exchange rate target				Other			
	US dollar	Euro	Exchange rate anchor Composite					
Pegged exchange rate within horizontal bands								Tonga ⁵
Other managed arrangement	Cambodia Liberia		Syrian Arab Republic			Algeria Belarus China ¹¹ Gambia Guinea Myanmar Rwanda Tajikistan		Angola Azerbaijan Egypt Haiti Kyrgyzstan Malaysia Pakistan South Sudan Vanuatu
Floating						Afghanistan Madagascar Malawi Mozambique Seychelles Sierra Leone Tanzania, United Republic of	Albania Armenia ¹¹ Brazil Colombia Georgia Ghana Guatemala Hungary Iceland India Indonesia Israel Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Romania Serbia South Africa Thailand Turkey Uganda Uruguay ¹¹	Argentina ¹⁰ Kenya ¹⁰ Mauritius Mongolia ¹⁰ Switzerland Ukraine Zambia
Free floating							Australia Canada Chile Japan Mexico ¹² Norway Poland Russian Federation Sweden United Kingdom	Somalia United States Euro area Austria Belgium Cyprus Estonia Finland France Germany Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2016, Table 2, IMF, Washington. * See Explanatory notes, pp 54–55. ¹ Includes countries that have no explicitly stated nominal anchor, but rather monitor various indicators in conducting monetary policy. ² IMF-member since 12 April 2016. ³ The members participate in the Eastern Caribbean Currency Union. ⁴ The member participates in the ERM II. ⁵ The country maintains a de facto exchange rate anchor to a composite. ⁶ The members participate in the West African Economic and Monetary Union. ⁷ The members participate in the Central African Economic and Monetary Community.

⁸ The country maintains a de facto exchange rate anchor to the US dollar. ⁹ The country maintains a de facto exchange rate anchor to the euro. ¹⁰ The central bank has taken preliminary steps toward inflation targeting. ¹¹ The exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously published classification. ¹² The exchange rate arrangement was reclassified twice during this reporting period, reverting back to the classification in the previous year's report.

VII ISO currency codes *

As of end-May 2017

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	Czechia	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
BYN	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 57 ff.

■ 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. On 1 January 2001, Greece joined the euro area, 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 14.15 CET. Only one reference rate, ie the middle rate, is established by this procedure. The ECB changed the publication time of the euro foreign exchange reference rates from around 14.30 CET to around 16.00 CET with effect from 1 July 2016.

■ 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 52 shows trading partners' membership of the 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 current 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-19						EER-38					
	1995 to 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	2010 to 2012	1995 to 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	2010 to 2012
	Period of use of weights											
	Up to end of 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	From 2010	Up to end of 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	From 2010
EER-38 group							100	100	100	100	100	100
EER-19 group	100	100	100	100	100	100						
Australia	0.95	0.87	0.90	0.92	0.91	0.96	0.77	0.71	0.74	0.75	0.73	0.76
Bulgaria	0.32	0.36	0.45	0.55	0.63	0.62	0.26	0.30	0.37	0.44	0.51	0.49
Canada	1.81	1.91	1.91	1.77	1.63	1.52	1.47	1.57	1.57	1.44	1.32	1.21
China	5.48	6.47	9.21	13.82	18.37	22.18	4.44	5.32	7.58	11.20	14.78	17.67
Croatia	0.66	0.54	0.61	0.65	0.63	0.47	0.54	0.44	0.50	0.53	0.51	0.37
Czechia	2.71	2.91	3.65	4.19	5.07	5.18	2.20	2.39	3.01	3.40	4.08	4.12
Denmark	3.19	2.84	2.80	2.72	2.65	2.17	2.59	2.34	2.30	2.20	2.13	1.73
Hong Kong	2.43	2.08	1.87	1.87	1.67	1.78	1.97	1.71	1.54	1.52	1.35	1.42
Hungary	1.88	2.62	3.02	3.16	3.17	2.85	1.52	2.16	2.48	2.56	2.55	2.27
Japan	11.87	10.76	9.21	8.22	7.14	6.69	9.63	8.85	7.58	6.66	5.75	5.33
Korea, Republic of	3.58	3.30	3.41	3.99	3.99	3.97	2.91	2.72	2.81	3.23	3.21	3.16
Norway	1.59	1.42	1.27	1.31	1.33	1.19	1.29	1.17	1.05	1.06	1.07	0.95
Poland	2.92	3.37	3.97	4.88	6.24	6.40	2.37	2.78	3.27	3.95	5.02	5.10
Romania	0.87	0.98	1.36	1.71	1.96	2.08	0.70	0.80	1.12	1.39	1.57	1.66
Singapore	2.26	1.93	1.69	1.74	1.48	1.58	1.84	1.59	1.39	1.41	1.19	1.26
Sweden	5.87	5.34	4.79	5.08	4.84	4.52	4.77	4.39	3.95	4.12	3.90	3.60
Switzerland	8.28	7.27	7.09	6.63	6.61	6.91	6.72	5.98	5.84	5.37	5.32	5.51
United Kingdom	22.67	21.46	20.13	17.61	14.88	12.99	18.40	17.65	16.58	14.26	11.97	10.34
United States	20.66	23.55	22.65	19.15	16.81	15.93	16.77	19.37	18.65	15.51	13.52	12.68
Additional countries in the EER-38 group												
Algeria							0.31	0.28	0.35	0.35	0.38	0.40
Argentina							0.57	0.49	0.27	0.26	0.30	0.38
Brazil							1.50	1.38	1.21	1.24	1.38	1.43
Chile							0.34	0.31	0.32	0.42	0.42	0.41
China (Taiwan)							2.28	2.38	2.09	1.83	1.50	1.52
Iceland							0.05	0.06	0.07	0.08	0.09	0.09
India							1.46	1.35	1.46	1.76	2.15	2.45
Indonesia							1.01	0.78	0.73	0.61	0.62	0.69
Israel							1.06	1.01	0.88	0.72	0.67	0.68
Malaysia							1.21	1.15	1.17	1.13	1.05	1.02
Mexico							0.87	1.18	1.28	1.19	1.20	1.33
Morocco							0.63	0.62	0.57	0.61	0.58	0.59
New Zealand							0.13	0.11	0.13	0.13	0.11	0.10
Philippines							0.40	0.52	0.50	0.42	0.30	0.28
Russian Federation							2.49	1.83	2.22	2.98	3.47	3.49
South Africa							0.94	0.89	0.92	1.03	0.95	0.98
Thailand							1.20	0.99	1.02	1.04	1.10	1.12
Turkey							2.16	2.21	2.30	3.04	3.13	3.26
Venezuela, Bolivarian Republic of							0.23	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 12 countries as well as for a group of 18 countries.

■ 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

With the introduction of the Chinese yuan renminbi on 1 October 2016, the value of an SDR (ISO code XDR) is defined as the sum of the values of fixed amounts of five 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. In the most recently concluded review (November 2015), the Executive Board of the IMF decided that the Chinese yuan renminbi will be included in the SDR basket as the fifth currency. With effect from 1 October 2016, the SDR basket comprises the five fixed currency amounts shown in column (a). These were fixed on 30 September 2016 on the basis of the average exchange rates in the London spot exchange market in the

third quarter of 2016 and of the initial new percentage weights (column (b)) such that, on 30 September 2016, the new SDR value corresponded with the value calculated on the basis of the old basket (see <http://www.imf.org/external/np/pp/eng/2016/093016.pdf>).

	(a)	(b)
US dollar	0.58252	41.73
Euro	0.38671	30.93
Chinese yuan renminbi	1.0174	10.92
Japanese yen	11.900	8.33
Pound sterling	0.085946	8.09

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.

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.

The formula adopted by the IMF for determining currency weights for the SDR basket 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 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 2016 (see Table VI, pp 46-47) is based on the IMF's *Annual Report on Exchange Arrangements and Exchange Restrictions 2016*, 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 ar-

rangements 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

There is a black market in which, according to financial information providers, the exchange rate was at 360 kwanza to the US dollar in the middle of April 2017.

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-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 official, published exchange rate, there is a different, bureau de change rate. According to the German Embassy in Tehran, it was 37,340 Iranian rials to the US dollar and 42,300 Iranian rials to the euro at the end of May 2017.

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

There is a black market in which, according to press reports, the exchange rate was over 370 naira to the US dollar at the end of May 2017.

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

No exchange rates have been available for the South Sudanese pound since the end of July 2016.

Sudan

Alongside the official, published exchange rate, there is a considerably different, black market rate.

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

Changes to the system of foreign exchange controls came into effect on 23 May 2017. The new DICOM auction procedure with one rate replaces the dual exchange rate system introduced in March 2016 which consisted of one fixed exchange rate (DIPRO) for priority goods, services and remittances plus one complementary exchange rate (DICOM) that was subject to fluctuation controls for all other consumer goods. The DICOM auction exchange rate is allowed to fluctuate within a range set by the Banco Central de Venezuela that is adjusted at regular intervals.

We recorded the last exchange rates (buying/selling rate) prior to and the first rates after this change as follows:

22 May 2017

DIPRO USD 1 = VEF 9.975 / 10.000

DICOM (old) USD 1 = VEF 726.1532 / 727.9732

30 May 2017

DICOM (new) USD 1 = VEF 2,004.975 / 2,010.000

A black market is still in existence and according to financial information providers, the exchange rate for the US dollar was more than 6,000 bolivar at the end of May 2017.