

Exchange rate statistics

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Statistical Supplement 5
to the Monthly Report

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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	Data unknown, not to be published or not meaningful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 ...

		EU member countries						
		Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania
Period		Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON
2017 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
	12	1.9558	7.4115	26.198	7.4367	307.18	4.1899	4.5620
	13	1.9558	7.4085	26.147	7.4365	306.97	4.1936	4.5662
	14	1.9558	7.3995	26.163	7.4363	306.39	4.1967	4.5664
	15	1.9558	7.4050	26.213	7.4360	307.79	4.2122	4.5893
	16	1.9558	7.3995	26.233	7.4361	307.91	4.2184	4.5835
	19	1.9558	7.4148	26.172	7.4371	307.09	4.2125	4.5901
	20	1.9558	7.4175	26.293	7.4378	309.13	4.2306	4.5988
	21	1.9558	7.4165	26.266	7.4403	309.13	4.2368	4.5900
	22	1.9558	7.4215	26.270	7.4388	309.22	4.2402	4.5823
	23	1.9558	7.4030	26.297	7.4372	309.13	4.2320	4.5715
	26	1.9558	7.4126	26.243	7.4364	309.48	4.2108	4.5749
	27	1.9558	7.4070	26.270	7.4357	309.40	4.2151	4.5635
	28	1.9558	7.4128	26.326	7.4366	309.54	4.2375	4.5510
	29	1.9558	7.4125	26.300	7.4367	310.06	4.2489	4.5744
	30	1.9558	7.4103	26.197	7.4366	308.97	4.2259	4.5523
July	3	1.9558	7.4215	26.140	7.4366	309.25	4.2355	4.5634
	4	1.9558	7.4165	26.132	7.4367	308.30	4.2426	4.5884
	5	1.9558	7.4143	26.109	7.4369	308.16	4.2463	4.5881
	6	1.9558	7.4055	26.147	7.4369	309.37	4.2478	4.5933
	7	1.9558	7.4153	26.079	7.4371	308.38	4.2322	4.5862

* 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	
9.5145	0.85260	1.4012	3.3314	1.4229	7.3423	8.2858	69.2805	2017 Apr 3	
9.6100	0.85623	1.4109	3.3395	1.4320	7.3371	8.2765	69.4250	4	
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	
9.7803	0.88545	1.4875	3.6840	1.5078	7.6284	8.7510	72.3080	12	
9.7443	0.88075	1.4880	3.7045	1.4892	7.6245	8.7489	72.1930	13	
9.7448	0.87960	1.4778	3.7027	1.4796	7.6147	8.7392	72.0350	14	
9.7278	0.87640	1.4722	3.6559	1.4826	7.5985	8.7118	72.1420	15	
9.7370	0.87453	1.4683	3.6681	1.4766	7.6089	8.7108	71.9515	16	
9.7443	0.87518	1.4705	3.6957	1.4827	7.6342	8.7350	72.1465	19	
9.7575	0.88143	1.4674	3.6845	1.4812	7.6159	8.7015	71.9705	20	
9.7808	0.87810	1.4738	3.7028	1.4803	7.6091	8.6954	71.9005	21	
9.7683	0.88168	1.4812	3.7164	1.4853	7.6323	8.7127	72.1515	22	
9.7700	0.87805	1.4764	3.7293	1.4783	7.6413	8.7147	72.1025	23	
9.7618	0.87830	1.4771	3.7259	1.4812	7.6541	8.7254	72.0980	26	
9.7678	0.88370	1.4819	3.7216	1.4895	7.6853	8.7972	72.7545	27	
9.7780	0.88525	1.4986	3.7632	1.4888	7.7348	8.8759	73.4345	28	
9.7215	0.87990	1.4868	3.7476	1.4867	7.7412	8.9107	73.7130	29	
9.6398	0.87933	1.4851	3.7600	1.4785	7.7385	8.9068	73.7445	30	
9.6358	0.87705	1.4848	3.7737	1.4755	7.7253	8.8778	73.7370	July 3	
9.6735	0.87805	1.4922	3.7503	1.4730	7.7220	8.8646	73.4970	4	
9.6243	0.87735	1.4916	3.7545	1.4682	7.7060	8.8442	73.4075	5	
9.6310	0.88013	1.5008	3.7639	1.4728	7.7443	8.8918	73.7325	6	
9.6155	0.88488	1.5006	3.7587	1.4806	7.7590	8.9140	73.6955	7	

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

1 Daily rates (cont'd)

EUR 1 = CU ...

		Other European and non-European countries (cont'd)								
		Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	
		Indonesian rupiah IDR	New Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	
2017 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	
	12	14,921.69	3.9644	123.30	1,270.17	4.7858	20.3762	1.5583	9.4985	
	13	14,904.08	3.9549	123.43	1,265.98	4.7812	20.3188	1.5528	9.4540	
	14	14,880.38	3.9541	123.58	1,260.45	4.7702	20.2078	1.5453	9.4140	
	15	14,871.15	3.9332	122.95	1,263.07	4.7651	20.1825	1.5505	9.4718	
	16	14,849.32	3.9390	124.33	1,265.35	4.7756	20.0887	1.5441	9.4615	
	19	14,872.95	3.9448	124.26	1,269.76	4.7904	20.1198	1.5411	9.4518	
	20	14,830.34	3.9482	124.25	1,271.75	4.7850	20.2098	1.5414	9.4930	
21	14,833.90	3.9470	124.21	1,273.11	4.7793	20.2564	1.5402	9.5158		
22	14,885.48	3.9584	124.27	1,275.96	4.8021	20.2844	1.5395	9.4855		
23	14,865.68	3.9572	124.36	1,271.16	4.7910	20.1620	1.5345	9.4613		
26	14,882.47	3.9501	124.93	1,271.44	4.7970	20.0412	1.5371	9.4788		
27	15,007.64	3.9663	126.16	1,283.79	4.8360	20.1288	1.5431	9.5200		
28	15,160.03	4.0040	127.53	1,300.61	4.8922	20.4344	1.5648	9.6020		
29	15,216.95	3.9894	128.59	1,304.08	4.9002	20.4700	1.5651	9.5700		
30	15,209.34	3.9888	127.75	1,304.56	4.8986	20.5839	1.5554	9.5713		
July	3	15,223.09	3.9768	128.46	1,305.91	4.8942	20.7257	1.5584	9.5065	
	4	15,174.42	3.9917	128.57	1,307.61	4.8790	20.6761	1.5594	9.4850	
	5	15,159.27	3.9872	128.64	1,307.79	4.8697	20.7053	1.5575	9.4965	
	6	15,242.24	4.0258	129.01	1,317.44	4.8938	20.9250	1.5697	9.5298	
	7	15,300.60	4.0273	129.80	1,318.10	4.9054	20.7488	1.5669	9.5613	

* 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	
53.456	60.0802	1.4899	14.4506	1.0682	36.658	3.8831	1.0661	2017 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
55.624	63.9585	1.5531	14.3757	1.0857	38.219	3.9459	1.1221	12
55.510	63.8205	1.5501	14.3297	1.0850	38.048	3.9519	1.1217	13
55.465	63.9450	1.5457	14.2697	1.0874	38.023	3.9362	1.1203	14
55.657	64.3175	1.5444	14.3723	1.0874	37.953	3.9266	1.1166	15
55.614	64.2300	1.5457	14.3831	1.0885	37.923	3.9225	1.1167	16
56.012	65.1757	1.5483	14.5349	1.0870	38.009	3.9297	1.1199	19
55.902	66.2746	1.5482	14.6166	1.0854	37.919	3.9450	1.1156	20
56.053	66.2425	1.5487	14.5255	1.0857	37.900	3.9311	1.1147	21
56.234	66.7825	1.5529	14.5204	1.0867	37.975	3.9277	1.1169	22
56.117	66.6677	1.5496	14.4531	1.0851	37.927	3.9235	1.1173	23
56.151	66.0390	1.5533	14.4089	1.0881	38.008	3.9244	1.1187	26
56.653	66.5530	1.5626	14.5572	1.0883	38.289	3.9525	1.1278	27
57.518	67.9014	1.5752	14.8080	1.0913	38.675	4.0079	1.1375	28
57.706	67.3005	1.5751	14.8261	1.0935	38.787	4.0143	1.1413	29
57.575	67.5449	1.5710	14.9200	1.0930	38.744	4.0134	1.1412	30
57.553	67.4684	1.5709	14.9926	1.0943	38.632	4.0322	1.1369	July 3
57.343	67.3400	1.5701	15.0182	1.0954	38.617	4.0377	1.1353	4
57.419	67.8200	1.5672	15.1267	1.0950	38.570	4.0611	1.1329	5
57.733	68.4881	1.5749	15.3470	1.0975	38.800	4.1367	1.1385	6
57.786	68.9193	1.5761	15.2646	1.0983	38.892	4.1465	1.1412	7

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 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
June	1.9558	7.4104	26.264	7.4376	308.28	4.2113	4.5721	9.7538	0.87724	1.4861

* 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	Period
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Indian rupee INR	Indonesian rupiah IDR	New Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	
2.5658	1.2874	7.9676	9.7192	70.1673	11,830.22	4.8763	99.26	1,458.61	3.9836	2012 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
3.6948	1.4941	7.6459	8.7578	72.3798	14,940.12	3.9658	124.58	1,271.29	4.8045	June

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

2 Monthly averages + (cont'd)

EUR 1 = CU ...

Period	Other European and non-European countries (cont'd)										
	Mexico 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 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	11.8796	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	3.2320	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
June	20.3786	1.5544	9.4992	56.045	65.1136	1.5541	14.5025	1.0874	38.181	3.9554	1.1229

* 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	Croatia	Cyprus	Czechia	Denmark	Estonia	Hungary	Latvia	Lithuania
	Bulgarian lev BGN	Kuna HRK 1	Cyprus pound CYP 2	Czech koruna CZK	Danish krone DKK	Estonian kroon EEK 2	Hungarian forint HUF	Latvian lats LVL 2	Lithuanian litas LTL 2
End of year									
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

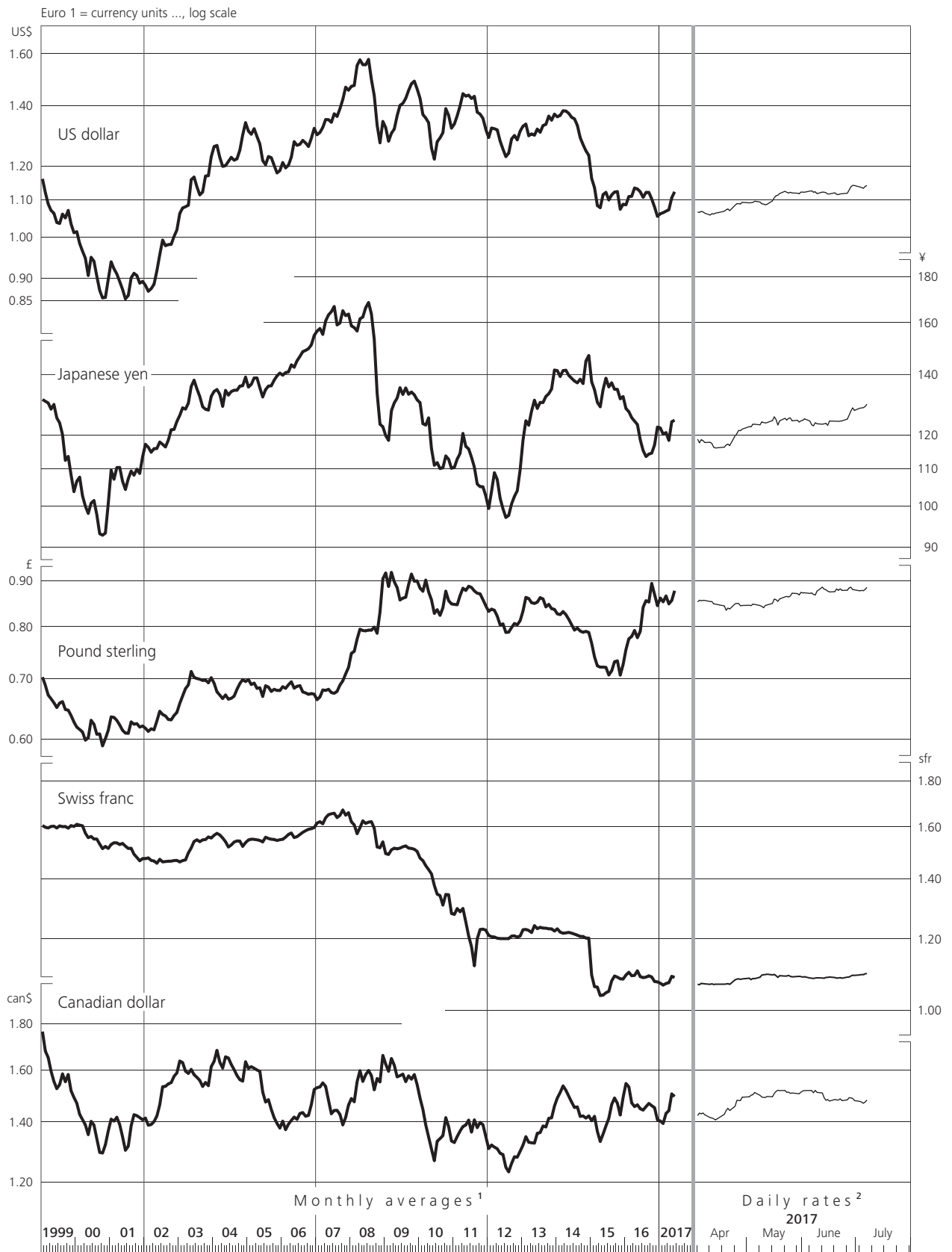
Other European and non-European countries (cont'd)										
	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
Period	New Zealand dollar NZD	Norwegian krona NOK	Philippine peso PHP ¹	Russian rouble RUB ¹	Singapore dollar SGD	South African 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: June 2017. ² Last updated: 7 July 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	90.8	
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 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	100.0	115.7	98.1	99.3	93.5	108.8	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	99.3	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	90.4	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	87.5	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 89.6	94.5	93.4	95.7	87.2	p 87.3	
Feb	94.7	90.0	111.3	p 90.8	95.0	93.4	96.9	87.5	p 87.7	
Mar	94.1	89.5	110.0	p 89.8	95.0	93.5	96.8	87.4	p 87.2	
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 89.0	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	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	96.6	p 87.4	p 86.3	
May	96.0	p 91.2	111.1	p 90.0	p 95.8	p 93.6	p 98.9	p 88.3	p 87.4	
June	96.8	p 91.8	112.1	p 90.6	p 96.3	p 93.6	p 100.0	p 88.7	p 87.8	

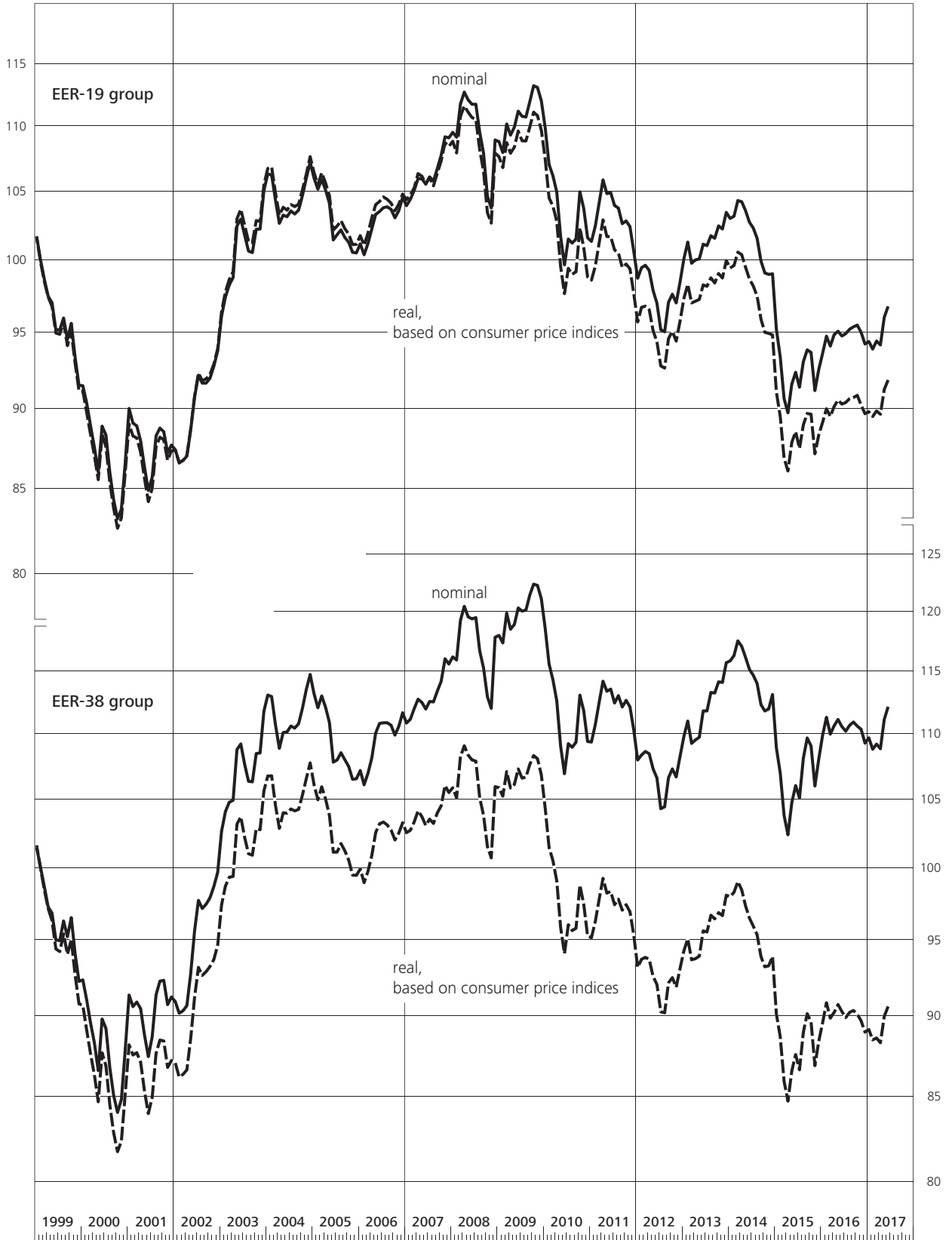
* See Explanatory notes, p 51. ¹ Source: ECB. ² Data for Argentina are currently not available due to the state of emergency in the national statistical system declared by the government of Argentina on 7 January 2016. As a consequence, Argentina is not

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			
					April 2017	May 2017	June 2017	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 67.6255	AFN 67.5465	AFN 68.2093	AFN 68.0355	
		S	USD 1 =	AFN 67.7255	AFN 67.6465	AFN 68.3093	AFN 68.1355	
	AFN	B	EUR 1 =	AFN 74.2813	AFN 73.0238	AFN 75.9021	AFN 75.9172	
		S	EUR 1 =	AFN 74.5413	AFN 73.2838	AFN 76.1621	AFN 76.1772	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 124.35	ALL 123.55	ALL 119.99	ALL 116.30
M			EUR 1 =	ALL 137.39	ALL 135.03	ALL 134.19	ALL 132.59	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 109.5779	DZD 109.1674	DZD 108.4206	DZD 107.8914	
		S	USD 1 =	DZD 109.5929	DZD 109.1824	DZD 108.4356	DZD 107.9064	
	DZD	B	EUR 1 =	DZD 121.0722	DZD 119.3636	DZD 121.6154	DZD 122.9423	
		S	EUR 1 =	DZD 121.1234	DZD 119.4019	DZD 121.6431	DZD 122.9809	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 163.205	AOA 165.087	AOA 165.090	AOA 165.091	
		S	USD 1 =	AOA 164.837	AOA 166.738	AOA 166.741	AOA 166.742	
	AOA	B	EUR 1 =	AOA 182.043	AOA 184.485	AOA 184.489	AOA 184.490	
		S	EUR 1 =	AOA 183.827	AOA 186.292	AOA 186.295	AOA 186.296	
Antigua and Barbuda								
St John's 459	East Caribbean dollar = 100 cents	² B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		² S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 2.9382	XCD 3.0164	XCD 3.0678	
		V, S	EUR 1 =	XCD 3.0073	XCD 2.9696	XCD 3.0486	XCD 3.1005	
Argentina								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 14.6816	ARS 15.3000	ARS 16.0000	ARS 16.5300	
		S	USD 1 =	ARS 14.7816	ARS 15.4000	ARS 16.1000	ARS 16.6300	
	ARS	B	EUR 1 =	ARS 16.2264	ARS 16.6617	ARS 17.9680	ARS 18.8475	
		S	EUR 1 =	ARS 16.3739	ARS 16.8091	ARS 18.1206	ARS 19.0031	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 480.52	AMD 484.68	AMD 482.00	AMD 480.47	
		M	EUR 1 =	AMD 531.12	AMD 530.14	AMD 539.36	AMD 548.12	
Aruba								
Oranjestad 474	Aruban florin = 100 cent	² B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78	
		² S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80	
	AWG	B	EUR 100 =	AWG 196.87	AWG 194.67	AWG 199.85	AWG 203.25	
		S	EUR 100 =	AWG 198.85	AWG 196.63	AWG 201.86	AWG 205.30	

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.

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		
					April 2017	May 2017	June 2017
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7437	USD 0.7475	USD 0.7450	USD 0.7692
		M	AUD 1 =	EUR 0.6741	EUR 0.6882	EUR 0.6671	EUR 0.6730
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
Azerbaijan							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.5993	AZN 1.7025	AZN 1.7020	AZN 1.7021
		M	EUR 1 =	AZN 1.7664	AZN 1.8495	AZN 1.9016	AZN 1.9474
Bahamas							
Nassau 453	Bahamian dollar = 100 cents BSD	2 B	USD 1 =	BSD 0.9950	BSD 0.9950	BSD 0.9950	BSD 0.9950
		2 S	USD 1 =	BSD 1.0125	BSD 1.0125	BSD 1.0125	BSD 1.0125
		V, B	EUR 1 =	BSD 1.10137	BSD 1.08754	BSD 1.11649	BSD 1.13549
		V, S	EUR 1 =	BSD 1.12074	BSD 1.10666	BSD 1.13613	BSD 1.15547
Bahrain							
Manama 640	Bahraini dinar = 1,000 fils BHD	2 B	USD 1 =	BHD 0.37425	BHD 0.37425	BHD 0.37425	BHD 0.37425
		2 S	USD 1 =	BHD 0.37750	BHD 0.37750	BHD 0.37750	BHD 0.37750
		B	EUR 1 =	BHD 0.4033858	BHD 0.3985633	BHD 0.4089520	BHD 0.4178760
		S	EUR 1 =	BHD 0.4283375	BHD 0.4232167	BHD 0.4342480	BHD 0.4437240
Bangladesh 1							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 77.9750	BDT 80.2300	BDT 80.5700	BDT 80.5900
		S	USD 1 =	BDT 78.9650	BDT 80.2300	BDT 80.5700	BDT 80.6000
		B	EUR 1 =	BDT 84.7274	BDT 87.4347	BDT 90.5687	BDT 92.0580
		S	EUR 1 =	BDT 88.2358	BDT 87.4507	BDT 90.6090	BDT 92.1177
Barbados							
Bridgetown 469	Barbados dollar = 100 cents BBD	2 B	USD 1 =	BBD 1.99375	BBD 1.99375	BBD 1.99375	BBD 1.99375
		2 S	USD 1 =	BBD 2.02768	BBD 2.02768	BBD 2.02768	BBD 2.02768
		B	EUR 1 =	BBD 2.19619	BBD 2.16975	BBD 2.22780	BBD 2.27718
		S	EUR 1 =	BBD 2.23736	BBD 2.21043	BBD 2.26957	BBD 2.31987
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 1.9916 3	BYN 1.8740	BYN 1.8642	BYN 1.9336
		M	EUR 1 =	BYN 2.2021 3	BYN 2.0414	BYN 2.0767	BYN 2.2088

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 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		
					April 2017	May 2017	June 2017
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
Belize							
Belmopan 421	Belize dollar = 100 cents	² B	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
		² S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
	B	EUR 1 =	BZD 2.1888	BZD 2.1633	BZD 2.2254	BZD 2.2634	
	BZD	S	EUR 1 =	BZD 2.2274	BZD 2.2015	BZD 2.2646	BZD 2.3034
Benin ¹							
Porto-Novo Seat of Government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 600.144	XOF 584.580	XOF 574.796
		³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Bermuda							
Hamilton 413	Bermudian dollar = 100 cents	² B	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
		² S	USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
	V, B	EUR 1 =	BMD 1.1025	BMD 1.0886	BMD 1.1176	BMD 1.1366	
	V, S	EUR 1 =	BMD 1.1117	BMD 1.0977	BMD 1.1269	BMD 1.1461	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 67.04	BTN 63.15	BTN 63.45	BTN 63.55
		S	USD 1 =	BTN 67.94	BTN 65.20	BTN 65.55	BTN 65.65
	B	EUR 1 =	BTN 73.90	BTN 68.80	BTN 71.20	BTN 72.55	
	S	EUR 1 =	BTN 74.78	BTN 70.70	BTN 73.15	BTN 74.55	
Bolivia, Plurinational State of							
Sucre Seat of Government: La Paz 516	Boliviano = 100 centavos BOB	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
		S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		V, B	EUR 1 =	BOB 7.5883	BOB 7.4980	BOB 7.6976	BOB 7.8286
		V, S	EUR 1 =	BOB 7.6989	BOB 7.6073	BOB 7.8098	BOB 7.9428
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.768868	BAM 1.784940	BAM 1.746121	BAM 1.709402
		S	USD 1 =	BAM 1.777735	BAM 1.793888	BAM 1.754873	BAM 1.717970
	BAM	³	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone 391	Pula = 100 thebe	B	BWP 1 =	USD 0.0923	USD 0.0961	USD 0.0973	USD 0.0977
		S	BWP 1 =	USD 0.0921	USD 0.0959	USD 0.0971	USD 0.0975
	B	BWP 1 =	EUR 0.0836	EUR 0.0881	EUR 0.0867	EUR 0.0856	
	S	BWP 1 =	EUR 0.0834	EUR 0.0879	EUR 0.0865	EUR 0.0854	

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		
					April 2017	May 2017	June 2017
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.4827	BRL 3.1978	BRL 3.2431	BRL 3.3076
		S	USD 1 =	BRL 3.4833	BRL 3.1984	BRL 3.2437	BRL 3.3082
	BRL	B	EUR 1 =	BRL 3.8029	BRL 3.4834	BRL 3.6436	BRL 3.7736
		S	EUR 1 =	BRL 3.8043	BRL 3.4850	BRL 3.6449	BRL 3.7750
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3729	BND 1.3863	BND 1.3768	BND 1.3717
		S	USD 1 =	BND 1.3939	BND 1.4073	BND 1.3978	BND 1.3927
	BND	B	EUR 1 =	BND 1.4995	BND 1.4913	BND 1.5188	BND 1.5471
		S	EUR 1 =	BND 1.5562	BND 1.5481	BND 1.5756	BND 1.6039
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.76889	BGN 1.78941	BGN 1.74301	BGN 1.71384
		2	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 600.144	XOF 584.580	XOF 574.796
		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 1,697.3352	BIF 1,707.0336	BIF 1,711.2348
		S	USD 1 =	BIF 1,673.9395	BIF 1,731.6248	BIF 1,734.5664	BIF 1,745.8052
	BIF	B	EUR 1 =	BIF 1,808.9191	BIF 1,843.8152	BIF 1,907.6100	BIF 1,957.3959
		S	EUR 1 =	BIF 1,845.4629	BIF 1,881.0640	BIF 1,938.3780	BIF 1,996.9393
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 100.009	CVE 101.236	CVE 98.588	CVE 96.513
		S	USD 1 =	CVE 100.211	CVE 101.438	CVE 98.790	CVE 96.715
	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 4,034	KHR 4,069	KHR 4,086
		B	EUR 1 =	KHR 4,477	KHR 4,384	KHR 4,546	KHR 4,672
	S	EUR 1 =	KHR 4,522	KHR 4,428	KHR 4,592	KHR 4,719	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 600.144	XAF 584.580	XAF 574.796
		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 1.3665	CAD 1.3500	CAD 1.2977
		M	EUR 1 =	CAD 1.4585	CAD 1.4887	CAD 1.5164	CAD 1.4813

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		
					April 2017	May 2017	June 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 0.9108	KYD 0.9351	KYD 0.9510
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 600.144	XAF 584.580	XAF 574.796
		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 600.144	XAF 584.580	XAF 574.796
		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 664.28	CLP 675.31	CLP 663.21
		M	EUR 1 =	CLP 748.75	CLP 722.44	CLP 755.38	CLP 758.47
China							
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.6420	CNY 6.8931	CNY 6.8633	CNY 6.7744
		M	EUR 1 =	CNY 7.3417	CNY 7.4945	CNY 7.6760	CNY 7.7496
		M	HKD 1 =	CNY 0.85648	CNY 0.88584	CNY 0.88075	CNY 0.86792
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 32.20	TWD 30.09	TWD 30.04	TWD 30.36
		S	USD 1 =	TWD 32.30	TWD 30.19	TWD 30.14	TWD 30.46
		B	EUR 1 =	TWD 35.46	TWD 32.57	TWD 33.44	TWD 34.61
		S	EUR 1 =	TWD 35.86	TWD 32.97	TWD 33.84	TWD 35.01
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,054.174	COP 2,944.31	COP 2,920.42	COP 3,038.26
		V, M	EUR 1 =	COP 3,378.388	COP 3,218.131	COP 3,277.003	COP 3,467.262
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 444.45546	KMF 450.10773	KMF 438.43485	KMF 431.09687
		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 600.144	XAF 584.580	XAF 574.796
		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		
					April 2017	May 2017	June 2017
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,001.9582	CDF 1,375.8909	CDF 1,411.0585	CDF 1,470.8617
		S	USD 1 =	CDF 1,042.8545	CDF 1,432.0497	CDF 1,468.6527	CDF 1,530.8969
	CDF	B	EUR 1 =	CDF 1,101.1857	CDF 1,495.4908	CDF 1,578.4890	CDF 1,673.5921
		S	EUR 1 =	CDF 1,146.1321	CDF 1,556.2662	CDF 1,642.9171	CDF 1,741.9020
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6477	EUR 0.6486	EUR 0.6498	EUR 0.6562
		S	NZD 1 =	EUR 0.6197	EUR 0.6205	EUR 0.6219	EUR 0.6282
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 539.45	CRC 557.90	CRC 567.37	CRC 567.09
		S	USD 1 =	CRC 552.06	CRC 570.72	CRC 580.12	CRC 579.87
	CRC	V, B	EUR 1 =	CRC 595.0202	CRC 609.7847	CRC 636.6459	CRC 647.1631
		V, S	EUR 1 =	CRC 608.9289	CRC 623.7970	CRC 650.9527	CRC 661.7476
Côte d'Ivoire ¹							
Yamoussoukro Seat of Government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 600.144	XOF 584.580	XOF 574.796
		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 6.811021	HRK 6.622321	HRK 6.470754
		S	USD 1 =	HRK 6.833936	HRK 6.852011	HRK 6.662175	HRK 6.509696
	HRK	B	EUR 1 =	HRK 7.504508	HRK 7.447852	HRK 7.395146	HRK 7.384425
		S	EUR 1 =	HRK 7.549670	HRK 7.492674	HRK 7.439650	HRK 7.428865
Cuba ¹							
Havana 448	Convertible peso / Cuban peso = 100 centavos	⁴ B	CUC 1 =	USD 1.03360	USD 1.03360	USD 1.03360	USD 1.03360
		⁴ S	CUC 1 =	USD 0.96852	USD 0.96852	USD 0.96852	USD 0.96852
	CUC / CUP	B	EUR 1 =	CUC 1.06595	CUC 1.05012	CUC 1.08360	CUC 1.10401
		S	EUR 1 =	CUC 1.13772	CUC 1.12078	CUC 1.15661	CUC 1.17840
Curaçao							
Willemstad 477	Netherlands Antillean guilder = 100 cent	⁴ B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		⁴ S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 196.48	ANG 194.67	ANG 199.85	ANG 203.25
		S	EUR 100 =	ANG 200.44	ANG 198.59	ANG 203.88	ANG 207.35
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 24.432	CZK 24.629	CZK 23.545	CZK 22.952
		M	EUR 1 =	CZK 27.043	CZK 26.920	CZK 26.420	CZK 26.195

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. ⁴ Value against the 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		
					April 2017	May 2017	June 2017
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 673.27	DKK 680.54	DKK 663.02	DKK 651.65
		M	EUR 100 =	DKK 744.51	DKK 743.83	DKK 743.98	DKK 743.66
Djibouti							
Djibouti 338	Djibouti franc = 100 centimes DJF	2 B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
		2 S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 193.21	DJF 190.21	DJF 196.09	DJF 200.02
		S	EUR 1 =	DJF 201.01	DJF 199.61	DJF 203.75	DJF 207.83
Dominica							
Roseau 460	East Caribbean dollar = 100 cents XCD	2 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		2 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B V, S	EUR 1 = EUR 1 =	XCD 2.9756 XCD 3.0073	XCD 2.9382 XCD 2.9696	XCD 3.0164 XCD 3.0486	XCD 3.0678 XCD 3.1005
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 45.7225	DOP 46.9517	DOP 47.0828	DOP 47.1620
		S	USD 1 =	DOP 46.1276	DOP 47.4203	DOP 47.4814	DOP 47.5273
		B	EUR 1 =	DOP 49.5990	DOP 49.8589	DOP 51.3383	DOP 52.2737
		S	EUR 1 =	DOP 52.9180	DOP 53.4321	DOP 54.6634	DOP 55.5062
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 10.1049	EGP 17.9500	EGP 17.9500	EGP 17.9500
		S	USD 1 =	EGP 10.1571	EGP 18.0500	EGP 18.0500	EGP 18.0500
		B	EUR 1 =	EGP 11.0444	EGP 19.4901	EGP 20.0412	EGP 20.2691
		S	EUR 1 =	EGP 11.2018	EGP 19.7593	EGP 20.2665	EGP 20.5590
El Salvador 1							
San Salvador 428	El Salvador colón = 100 centavos SVC	2	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 9.6854	SVC 9.5638	SVC 9.8184	SVC 9.9855
Equatorial Guinea 1							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 600.144	XAF 584.580	XAF 574.796
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara 336	Nakfa = 100 cents ERN	2 B	USD 1 =	ERN 15.00	ERN 15.00	ERN 15.00	ERN 15.00
		2 S	USD 1 =	ERN 15.70	ERN 15.15	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 16.5083	ERN 16.3470	ERN 16.7760	ERN 17.1090
		S	EUR 1 =	ERN 17.2575	ERN 16.9832	ERN 17.4122	ERN 17.7452
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412

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		
					April 2017	May 2017	June 2017
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 21.7838	ETB 22.8561	ETB 22.9763	ETB 23.1081
		S	USD 1 =	ETB 22.2195	ETB 23.3132	ETB 23.4358	ETB 23.5703
	ETB	B	EUR 1 =	ETB 24.0212	ETB 24.8903	ETB 25.6278	ETB 26.3479
S		EUR 1 =	ETB 24.5107	ETB 25.3904	ETB 26.1450	ETB 26.8842	
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.74034	FKP 0.77285	FKP 0.77858	FKP 0.77053
		V	EUR 1 =	FKP 0.81948	FKP 0.84473	FKP 0.87365	FKP 0.87933
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4855	USD 0.4845	USD 0.4883	USD 0.4949
		S	FJD 1 =	USD 0.4685	USD 0.4675	USD 0.4713	USD 0.4779
	FJD	B	FJD 1 =	EUR 0.4383	EUR 0.4433	EUR 0.4340	EUR 0.4330
		S	FJD 1 =	EUR 0.4263	EUR 0.4313	EUR 0.4220	EUR 0.4210
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
Gabon ¹							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 600.144	XAF 584.580	XAF 574.796
		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 46.65	GMD 47.33	GMD 47.12
		M	EUR 1 =	GMD 48.60	GMD 50.57	GMD 52.49	GMD 52.78
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.3757	GEL 2.4416	GEL 2.4274	GEL 2.4072
		M	EUR 1 =	GEL 2.6255	GEL 2.6701	GEL 2.7095	GEL 2.7444
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412

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		
					April 2017	May 2017	June 2017
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 3.9280	GHS 4.1846	GHS 4.2835	GHS 4.3608
		S	USD 1 =	GHS 3.9319	GHS 4.1887	GHS 4.2878	GHS 4.3650
	GHS	B	EUR 1 =	GHS 4.3326	GHS 4.5593	GHS 4.8202	GHS 4.9737
		S	EUR 1 =	GHS 4.3360	GHS 4.5629	GHS 4.8240	GHS 4.9763
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V	USD 1 =	GIP 0.74034	GIP 0.77285	GIP 0.77858	GIP 0.77053
		V	EUR 1 =	GIP 0.81948	GIP 0.84473	GIP 0.87365	GIP 0.87933
Greece ¹							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
Grenada							
St George's 473	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 2.9382	XCD 3.0164	XCD 3.0678
		V, S	EUR 1 =	XCD 3.0073	XCD 2.9696	XCD 3.0486	XCD 3.1005
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.60438	GTQ 7.33885	GTQ 7.35264	GTQ 7.33516
		V, M	EUR 1 =	GTQ 8.39003	GTQ 8.02136	GTQ 8.25040	GTQ 8.37088
Guinea							
Conakry 260	Guinean franc	B	USD 1 =	GNF 8,612.0636	GNF 8,875.0000	GNF 8,855.0000	GNF 8,655.0000
		S	USD 1 =	GNF 9,088.2761	GNF 9,270.0000	GNF 9,250.0000	GNF 9,050.0000
	GNF	B	EUR 1 =	GNF 9,484.4388	GNF 9,659.1062	GNF 9,901.2181	GNF 9,866.3538
		S	EUR 1 =	GNF 10,008.4364	GNF 10,089.0045	GNF 10,342.8873	GNF 10,316.6380
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 600.144	XOF 584.580	XOF 574.796
		4	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 225.08	GYD 230.99	GYD 235.05
		S	EUR 1 =	GYD 230.06	GYD 227.97	GYD 233.95	GYD 238.05

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 US dollar. ⁴ 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		
					April 2017	May 2017	June 2017
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 63.7147	HTG 67.6004	HTG 62.2023	HTG 62.3516
		V, M	EUR 1 =	HTG 70.2563	HTG 73.8872	HTG 69.7972	HTG 71.1556
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 22.8835	HNL 23.4745	HNL 23.4654	HNL 23.4445
		S	USD 1 =	HNL 23.0436	HNL 23.6388	HNL 23.6297	HNL 23.6086
		V, B	EUR 1 =	HNL 25.2388	HNL 25.6576	HNL 26.3305	HNL 26.7549
		V, S	EUR 1 =	HNL 25.4155	HNL 25.8372	HNL 26.5149	HNL 26.9421
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.74365	HKD 7.75780	HKD 7.76660	HKD 7.78500
		S	USD 1 =	HKD 7.78145	HKD 7.79780	HKD 7.80660	HKD 7.82500
		B	EUR 1 =	HKD 8.52775	HKD 8.46984	HKD 8.68114	HKD 8.87184
		S	EUR 1 =	HKD 8.58753	HKD 8.53706	HKD 8.74846	HKD 8.93916
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 281.44	HUF 285.80	HUF 275.42	HUF 270.87
		M	EUR 1 =	HUF 311.84	HUF 311.55	HUF 307.78	HUF 308.87
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 120.14	ISK 105.81	ISK 99.04	ISK 103.09
		S	USD 1 =	ISK 120.71	ISK 106.31	ISK 99.52	ISK 103.59
		B	EUR 1 =	ISK 133.22	ISK 115.73	ISK 111.01	ISK 117.50
		S	EUR 1 =	ISK 133.96	ISK 116.37	ISK 111.63	ISK 118.16
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	B	USD 1 =	INR 66.81	INR 63.80	INR 64.15	INR 64.30
		S	USD 1 =	INR 67.79	INR 64.65	INR 65.00	INR 65.15
		B	EUR 1 =	INR 73.35	INR 69.06	INR 71.37	INR 73.30
		S	EUR 1 =	INR 75.08	INR 70.63	INR 72.96	INR 74.92
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 13,243.83	IDR 13,260.00	IDR 13,254.00	IDR 13,252.00
		S	USD 1 =	IDR 13,376.83	IDR 13,394.00	IDR 13,388.00	IDR 13,386.00
		B	EUR 1 =	IDR 14,633.44	IDR 14,410.97	IDR 14,808.69	IDR 14,798.51
		S	EUR 1 =	IDR 14,784.94	IDR 14,561.96	IDR 14,963.77	IDR 14,950.82
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 31,002	IRR 32,442	IRR 32,450	IRR 32,489
		M	EUR 1 =	IRR 34,194	IRR 35,368	IRR 36,266	IRR 37,057

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				
					April 2017	May 2017	June 2017		
Iraq									
Baghdad 612	Iraqi dinar = 1,000 fils	2 B	USD 1 =	IQD 1,180.000	IQD 1,182.000	IQD 1,182.000	IQD 1,182.000		
		2 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 1,287.666	IQD 1,322.222	IQD 1,319.145		
		S	EUR 1 =	IQD 1,301.934	IQD 1,288.310	IQD 1,322.883	IQD 1,319.805		
	Ireland								
	Dublin 007	Euro = 100 cent	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412	
EUR									
Israel									
Jerusalem 624	New Israeli sheqel = 100 agorot	M	USD 1 =	ILS 3.8406	ILS 3.6190	ILS 3.5610	ILS 3.4960		
		M	EUR 1 =	ILS 4.2256	ILS 3.9395	ILS 3.9684	ILS 3.9859		
	ILS								
Italy									
Rome 005	Euro = 100 cent	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412		
	EUR								
Jamaica									
Kingston 464	Jamaican dollar = 100 cents	B	USD 1 =	JMD 125.0655	JMD 128.3320	JMD 129.3032	JMD 127.6384		
		S	USD 1 =	JMD 125.7664	JMD 129.4011	JMD 130.1443	JMD 128.6228		
	JMD	B	EUR 1 =	JMD 136.03736	JMD 134.9741	JMD 139.4800	JMD 141.3376		
		S	EUR 1 =	JMD 139.02909	JMD 140.5454	JMD 146.3224	JMD 147.9419		
	Japan								
	Tokyo 732	Japanese yen = 100 sen	B	USD 1 =	JPY 107.70	JPY 110.29	JPY 109.96	JPY 111.00	
S			USD 1 =	JPY 109.70	JPY 112.29	JPY 111.96	JPY 113.00		
JPY		B	EUR 1 =	JPY 119.13	JPY 119.35	JPY 122.45	JPY 126.47		
		S	EUR 1 =	JPY 122.13	JPY 122.35	JPY 125.45	JPY 129.47		
Jordan									
Amman 628		Jordanian dinar = 1,000 fils	2 B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080	
	2 S		USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100		
	JOD	B	EUR 1 =	JOD 0.77769	JOD 0.77037	JOD 0.78659	JOD 0.80535		
		S	EUR 1 =	JOD 0.78450	JOD 0.77539	JOD 0.79321	JOD 0.81181		
	Kazakhstan								
	Astana 079	Tenge = 100 tiyn	M	USD 1 =	KZT 342.02	KZT 314.40	KZT 311.23	KZT 321.46	
KZT		EUR 1 =		KZT 378.27	KZT 343.83	KZT 347.52	KZT 366.79		
Kenya ¹									
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 101.4201	KES 103.1250	KES 103.2811	KES 103.6117		
		S	USD 1 =	KES 101.6164	KES 103.3194	KES 103.4811	KES 103.8117		
	KES	B	EUR 1 =	KES 111.7446	KES 112.2511	KES 115.5028	KES 118.1822		
		S	EUR 1 =	KES 111.9896	KES 112.4806	KES 115.7511	KES 118.4394		

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.

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			
					April 2017	May 2017	June 2017	
Korea, Democratic People's Republic of								
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 108.00	KPW 109.45 ²	KPW 107.64 ³	KPW 107.18	
		S	USD 1 =	KPW 108.82	KPW 110.28 ²	KPW 108.45 ³	KPW 107.99	
	KPW	B	EUR 1 =	KPW 119.03	KPW 119.02 ²	KPW 121.00 ³	KPW 121.86	
		S	EUR 1 =	KPW 119.92	KPW 119.92 ²	KPW 121.91 ³	KPW 122.78	
	Korea, Republic of							
	Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,150.51	KRW 1,129.40	KRW 1,107.60	KRW 1,133.80
S			USD 1 =	KRW 1,173.19	KRW 1,151.60	KRW 1,129.40	KRW 1,156.20	
KRW		B	EUR 1 =	KRW 1,266.75	KRW 1,232.13	KRW 1,237.82	KRW 1,292.19	
		S	EUR 1 =	KRW 1,292.34	KRW 1,257.01	KRW 1,262.82	KRW 1,318.29	
Kuwait								
Kuwait 636		Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30140	KWD 0.30290	KWD 0.30225	KWD 0.30170
	S		USD 1 =	KWD 0.30463	KWD 0.30650	KWD 0.30585	KWD 0.30530	
	KWD	B	EUR 1 =	KWD 0.332598	KWD 0.330812	KWD 0.338973	KWD 0.344119	
		S	EUR 1 =	KWD 0.336156	KWD 0.334744	KWD 0.343011	KWD 0.348225	
Kyrgyzstan								
Bishkek 083	Kyrgyz som = 100 tyiyn KGS	M	USD 1 =	KGS 69.7909	KGS 67.5000	KGS 68.0492	KGS 69.1367	
		M	EUR 1 =	KGS 77.1283	KGS 73.5818	KGS 75.8068	KGS 78.9956	
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 8,110	LAK 8,187	LAK 8,187	LAK 8,230	
		S	USD 1 =	LAK 8,146	LAK 8,224	LAK 8,224	LAK 8,267	
	LAK	B	EUR 1 =	LAK 8,938	LAK 8,888	LAK 9,137	LAK 9,410	
		S	EUR 1 =	LAK 8,980	LAK 8,933	LAK 9,183	LAK 9,457	
Latvia								
Riga 054	Euro = 100 cents EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412	
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 1,643.78	LBP 1,690.51	LBP 1,719.00	
Lesotho ¹								
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 14.6321	LSL 13.2950	LSL 13.1180	LSL 13.1038	
		M	EUR 1 =	LSL 16.2188	LSL 14.5022	LSL 14.7204	LSL 14.9632	

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 2 May 2017. ³ 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		
					April 2017	May 2017	June 2017
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 94.33	LRD 106.00	LRD 111.12	LRD 112.77
		S	USD 1 =	LRD 95.33	LRD 107.00	LRD 111.81	LRD 113.49
	LRD	V, B V, S	EUR 1 = EUR 1 =	LRD 104.0004 LRD 105.1035	LRD 115.8580 LRD 116.9510	LRD 124.6878 LRD 125.4620	LRD 128.6931 LRD 129.5148
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3904	LYD 1.4079	LYD 1.3948	LYD 1.3977
		S	USD 1 =	LYD 1.3973	LYD 1.4150	LYD 1.4018	LYD 1.4047
	LYD	B	EUR 1 =	LYD 1.5321	LYD 1.5344	LYD 1.5610	LYD 1.5602
		S	EUR 1 =	LYD 1.5398	LYD 1.5421	LYD 1.5689	LYD 1.5680
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 7.9839	MOP 8.0015	MOP 8.0101	MOP 8.0297
		S	USD 1 =	MOP 8.0158	MOP 8.0335	MOP 8.0421	MOP 8.0617
	MOP	B	EUR 1 =	MOP 8.7839	MOP 8.7320	MOP 8.9347	MOP 9.1467
		S	EUR 1 =	MOP 8.8539	MOP 8.8112	MOP 9.0139	MOP 9.2259
Macedonia, former Yugoslav Republic of							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 55.4361	MKD 56.0913	MKD 54.9418	MKD 53.7937
		S	USD 1 =	MKD 55.9933	MKD 56.6551	MKD 55.4940	MKD 54.3344
	MKD	B S	EUR 1 = EUR 1 =	MKD 61.2875 MKD 61.9035	MKD 61.3078 MKD 61.9240	MKD 61.3865 MKD 62.0035	MKD 61.3948 MKD 62.0118
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M M	USD 1 = EUR 1 =	MGA 3,179.59 MGA 3,508.46	MGA 3,195.19 MGA 3,483.37	MGA 3,122.70 MGA 3,494.57	MGA 3,003.44 MGA 3,437.90
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 707.6550	MWK 717.9582	MWK 717.5856	MWK 716.2320
		S	USD 1 =	MWK 725.5648	MWK 734.6634	MWK 734.5758	MWK 734.6584
	MWK	B	EUR 1 =	MWK 780.5850	MWK 779.8462	MWK 801.9019	MWK 819.3695
		S	EUR 1 =	MWK 800.3427	MWK 797.9914	MWK 820.8885	MWK 840.4492

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		
					April 2017	May 2017	June 2017
Malaysia							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.0849	MYR 4.2863	MYR 4.2170	MYR 4.2327
		S	USD 1 =	MYR 4.2091	MYR 4.4027	MYR 4.3410	MYR 4.3573
	MYR	B	EUR 1 =	MYR 4.4830	MYR 4.6522	MYR 4.6870	MYR 4.8156
		S	EUR 1 =	MYR 4.6592	MYR 4.8305	MYR 4.8753	MYR 5.0092
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.37	MVR 15.39	MVR 15.40	MVR 15.38
		V, M	EUR 1 =	MVR 16.95186	MVR 16.82127	MVR 17.28034	MVR 17.55166
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 600.144	XOF 584.580	XOF 574.796
		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 1.0930	USD 1.1221	USD 1.1412
Mauritania							
Nouakchott 228	Ouguiya = 5 khoums MRO	B	USD 1 =	MRO 351.33	MRO 357.78	MRO 357.93	MRO 357.63
		S	USD 1 =	MRO 354.85	MRO 361.37	MRO 361.52	MRO 361.22
	MRO	B	EUR 1 =	MRO 387.32	MRO 389.98	MRO 401.31	MRO 407.85
		S	EUR 1 =	MRO 391.20	MRO 393.89	MRO 405.34	MRO 411.94
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 35.1574	MUR 34.6540	MUR 34.2556	MUR 33.9665
		S	USD 1 =	MUR 36.3850	MUR 35.9151	MUR 35.5394	MUR 35.2395
	MUR	B	EUR 1 =	MUR 38.7731	MUR 37.6173	MUR 38.2454	MUR 38.8166
		S	EUR 1 =	MUR 40.1439	MUR 39.0002	MUR 39.6946	MUR 40.2887
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 18.7528	MXN 18.8610	MXN 18.6385	MXN 18.1360
		S	USD 1 =	MXN 18.7586	MXN 18.8660	MXN 18.6435	MXN 18.1430
	MXN	V, B	EUR 1 =	MXN 20.6145	MXN 20.6151	MXN 20.9143	MXN 20.6968
		V, S	EUR 1 =	MXN 20.6211	MXN 20.6205	MXN 20.9199	MXN 20.7048
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 19.9399	MDL 19.2567	MDL 18.2215	MDL 18.1544
		M	EUR 1 =	MDL 22.0525	MDL 20.9869	MDL 20.3270	MDL 20.7060
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,165.48	MNT 2,419.42	MNT 2,397.97	MNT 2,349.87
		M	EUR 1 =	MNT 2,382.89	MNT 2,633.66	MNT 2,682.13	MNT 2,681.67

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			
					April 2017	May 2017	June 2017	
Morocco								
Rabat 204	Moroccan dirham = 100 centimes	B	USD 1 =	MAD 9.7860	MAD 9.8843	MAD 9.6920	MAD 9.5955	
		S	USD 1 =	MAD 9.8449	MAD 9.9437	MAD 9.7502	MAD 9.6531	
	MAD	B	EUR 1 =	MAD 10.811	MAD 10.741	MAD 10.877	MAD 10.946	
		S	EUR 1 =	MAD 10.876	MAD 10.806	MAD 10.943	MAD 11.011	
	Mozambique							
	Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 63.35	MZN 64.05	MZN 59.34	MZN 59.88
S			USD 1 =	MZN 63.49	MZN 65.27	MZN 60.48	MZN 61.06	
MZN		B	EUR 1 =	MZN 69.84	MZN 69.86	MZN 66.46	MZN 68.34	
		S	EUR 1 =	MZN 69.99	MZN 71.19	MZN 67.73	MZN 69.68	
Myanmar								
Nay Pyi Taw 676		Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,241.08	MMK 1,358.00	MMK 1,365.00	MMK 1,362.00
	M		EUR 1 =	MMK 1,369.15	MMK 1,476.00	MMK 1,525.30	MMK 1,556.70	
Namibia ¹								
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 14.6574	NAD 13.3144	NAD 13.0996	NAD 13.0378	
		M	EUR 1 =	NAD 16.1723	NAD 14.4898	NAD 14.6537	NAD 14.9152	
Nepal								
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 107.52	NPR 102.46	NPR 103.10	NPR 102.94	
		S	USD 1 =	NPR 108.12	NPR 103.06	NPR 103.70	NPR 103.54	
	NPR	B	EUR 1 =	NPR 118.49	NPR 112.09	NPR 115.02	NPR 117.50	
		S	EUR 1 =	NPR 119.15	NPR 112.74	NPR 115.69	NPR 118.18	
Netherlands								
Amsterdam Seat of Government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412	
New Caledonia ¹								
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.28	USD 9.16	USD 9.40	USD 9.56	
		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 0.7026	USD 0.7240	USD 0.7484	
		S	NZD 1 =	USD 0.6855	USD 0.6775	USD 0.6983	USD 0.7220	
	NZD	B	NZD 1 =	EUR 0.6477	EUR 0.6486	EUR 0.6498	EUR 0.6562	
		S	NZD 1 =	EUR 0.6197	EUR 0.6205	EUR 0.6219	EUR 0.6282	

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		
					April 2017	May 2017	June 2017
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 28.6774	NIO 29.7989	NIO 29.9226	NIO 30.0428
		V, M	EUR 1 =	NIO 31.63069	NIO 32.57020	NIO 33.57615	NIO 34.28484
Niger 1							
Niamey 240	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 600.144	XOF 584.580	XOF 574.796
		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 304.85	NGN 304.40	NGN 304.90
		S	USD 1 =	NGN 254.31	NGN 305.85	NGN 305.40	NGN 305.90
		B	EUR 1 =	NGN 279.4240	NGN 333.2011	NGN 341.6281	NGN 348.0738
		S	EUR 1 =	NGN 280.5293	NGN 334.2941	NGN 342.7504	NGN 349.2154
Norway							
Oslo 028	Norwegian krone = 100 øre NOK	B	USD 1 =	NOK 8.3694	NOK 8.5303	NOK 8.4084	NOK 8.3471
		S	USD 1 =	NOK 8.4325	NOK 8.5953	NOK 8.4734	NOK 8.4121
		B	EUR 1 =	NOK 9.2357	NOK 9.2820	NOK 9.4060	NOK 9.5377
		S	EUR 1 =	NOK 9.3054	NOK 9.3540	NOK 9.4780	NOK 9.6097
Oman							
Muscat 649	Rial Omani = 1,000 baisa OMR	3 B	USD 1 =	OMR 0.3840	OMR 0.3840	OMR 0.3840	OMR 0.3840
		3 S	USD 1 =	OMR 0.3850	OMR 0.3850	OMR 0.3850	OMR 0.3850
		B	EUR 1 =	OMR 0.4231360	OMR 0.4183680	OMR 0.4290816	OMR 0.4288512
		S	EUR 1 =	OMR 0.4244048	OMR 0.4195730	OMR 0.4302760	OMR 0.4300450
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B	USD 1 =	PKR 104.40	PKR 104.50	PKR 104.70	PKR 104.80
		S	USD 1 =	PKR 104.60	PKR 104.70	PKR 104.90	PKR 105.00
		B	EUR 1 =	PKR 115.40	PKR 113.57	PKR 117.01	PKR 119.91
		S	EUR 1 =	PKR 115.62	PKR 113.78	PKR 117.23	PKR 120.14
Panama 1							
Panama City 442	Balboa = 100 centésimos PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1069	PAB 1.0930	PAB 1.1221	PAB 1.1412
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 0.2946	EUR 0.2866	EUR 0.2798
		S	PGK 1 =	EUR 0.2791	EUR 0.2797	EUR 0.2716	EUR 0.2652

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 Value against the US dollar. 4 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		
					April 2017	May 2017	June 2017
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,672.44	PYG 5,566.59	PYG 5,591.83	PYG 5,557.84
		S	USD 1 =	PYG 5,685.30	PYG 5,576.72	PYG 5,601.52	PYG 5,561.51
	PYG	V, B	EUR 1 =	PYG 6,272.17	PYG 6,084.28	PYG 6,274.59	PYG 6,342.61
		V, S	EUR 1 =	PYG 6,286.42	PYG 6,095.35	PYG 6,285.47	PYG 6,346.80
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.372	PEN 3.242	PEN 3.270	PEN 3.251
		S	USD 1 =	PEN 3.377	PEN 3.246	PEN 3.272	PEN 3.255
	PEN	B	EUR 1 =	PEN 3.628	PEN 3.477	PEN 3.651	PEN 3.649
		S	EUR 1 =	PEN 3.878	PEN 3.692	PEN 3.774	PEN 3.726
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 46.87244	PHP 49.22573	PHP 49.11732	PHP 49.46060
		S	USD 1 =	PHP 48.25174	PHP 50.67428	PHP 50.56268	PHP 51.47940
	PHP	B	EUR 1 =	PHP 51.72197	PHP 53.69542	PHP 54.74125	PHP 56.59282
		S	EUR 1 =	PHP 53.24397	PHP 55.27550	PHP 56.35211	PHP 58.90273
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.9435	PLN 3.8696	PLN 3.7354	PLN 3.7062
		M	EUR 1 =	PLN 4.3757	PLN 4.2170	PLN 4.1737	PLN 4.2265
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
Qatar							
Doha 644	Qatari riyal = 100 dirham QAR	2	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.014	QAR 3.979	QAR 4.084	QAR 4.154
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.0569	RON 4.1453	RON 4.0844	RON 3.9915
		M	EUR 1 =	RON 4.4934	RON 4.5333	RON 4.5702	RON 4.5539
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 66.8335	RUB 56.9838	RUB 56.5168	RUB 59.0855
		M	EUR 1 =	RUB 73.2104	RUB 62.0440	RUB 62.9484	RUB 67.4993

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.

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		
					April 2017	May 2017	June 2017
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 780.776613	RWF 819.023616	RWF 819.776147	RWF 822.002566
		S	USD 1 =	RWF 796.390569	RWF 835.402434	RWF 836.170015	RWF 838.440956
	RWF	B	EUR 1 =	RWF 862.393156	RWF 890.524378	RWF 916.099845	RWF 940.247635
		S	EUR 1 =	RWF 879.639277	RWF 908.333066	RWF 934.419991	RWF 959.050688
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound ² = 100 pence SHP	V	USD 1 =	SHP 0.74034	SHP 0.77285	SHP 0.77858	SHP 0.77053
		V	EUR 1 =	SHP 0.81948	SHP 0.84473	SHP 0.87365	SHP 0.87933
Saint Kitts and Nevis							
Basseterre 449	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 2.9382	XCD 3.0164	XCD 3.0678
		V, S	EUR 1 =	XCD 3.0073	XCD 2.9696	XCD 3.0486	XCD 3.1005
Saint Lucia							
Castries 465	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 2.9382	XCD 3.0164	XCD 3.0678
		V, S	EUR 1 =	XCD 3.0073	XCD 2.9696	XCD 3.0486	XCD 3.1005
Saint Vincent and the Grenadines							
Kingstown 467	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 2.9382	XCD 3.0164	XCD 3.0678
		V, S	EUR 1 =	XCD 3.0073	XCD 2.9696	XCD 3.0486	XCD 3.1005
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.38973	USD 0.38886	USD 0.39296	USD 0.39879
		M	WST 1 =	EUR 0.35372	EUR 0.35735	EUR 0.35106	EUR 0.34868
Sao Tome and Principe ¹							
São Tomé 311	Dobra = 100 céntimos	B	USD 1 =	STD 22,258.97	STD 22,516.31	STD 21,927.86	STD 21,466.75
		S	USD 1 =	STD 22,592.85	STD 22,854.06	STD 22,256.78	STD 21,788.75
	STD	4	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	³ B	USD 1 =	SAR 3.7440	SAR 3.7440	SAR 3.7440	SAR 3.7440
		³ S	USD 1 =	SAR 3.7540	SAR 3.7540	SAR 3.7540	SAR 3.7540
	SAR	B	EUR 1 =	SAR 4.0229	SAR 3.9404	SAR 4.0999	SAR 4.1306
		S	EUR 1 =	SAR 4.2856	SAR 4.2449	SAR 4.3377	SAR 4.4506

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 US dollar. ⁴ 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		
					April 2017	May 2017	June 2017
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 592.607	XOF 600.144	XOF 584.580	XOF 574.796
	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 113.0249	RSD 109.4351	RSD 105.3292
		S	USD 1 =	RSD 111.8098	RSD 113.7051	RSD 110.0937	RSD 105.9630
	RSD	B	EUR 1 =	RSD 122.7830	RSD 122.8016	RSD 122.2937	RSD 120.4861
		S	EUR 1 =	RSD 123.5219	RSD 123.5406	RSD 123.0297	RSD 121.2111
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 12.9885	SCR 13.4938	SCR 13.2468	SCR 13.2311
		S	USD 1 =	SCR 13.5165	SCR 13.8047	SCR 13.8034	SCR 13.7993
	SCR	B	EUR 1 =	SCR 14.4673	SCR 14.6201	SCR 15.0461	SCR 15.3028
		S	EUR 1 =	SCR 14.8800	SCR 15.0398	SCR 15.4276	SCR 15.5766
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 6,285.30	SLL 7,188.17	SLL 7,249.62	SLL 7,267.06
		S	USD 1 =	SLL 6,412.28	SLL 7,333.38	SLL 7,396.08	SLL 7,413.86
	SLL	B	EUR 1 =	SLL 6,925.75 V	SLL 7,833.77	SLL 8,102.67	SLL 8,294.63
		S	EUR 1 =	SLL 7,065.66 V	SLL 7,990.40	SLL 8,264.12	SLL 8,460.34
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3835	SGD 1.3964	SGD 1.3847	SGD 1.3773
		M	EUR 1 =	SGD 1.5254	SGD 1.5175	SGD 1.5476	SGD 1.5758
Sint Maarten (southern part)							
Philipsburg 479	Netherlands Antillean guilder = 100 cent	³ B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		³ S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 196.48	ANG 194.67	ANG 199.85	ANG 203.25
		S	EUR 100 =	ANG 200.44	ANG 198.59	ANG 203.88	ANG 207.35
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.0930	USD 1.1221	USD 1.1412
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1256	USD 0.1258	USD 0.1258	USD 0.1264
		M	SBD 1 =	EUR 0.1140	EUR 0.1156	EUR 0.1125	EUR 0.1107

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 Value against the 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		
					April 2017	May 2017	June 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 13.0975	ZAR 12.9800	ZAR 12.9263
		S	USD 1 =	ZAR 14.8471	ZAR 13.4150	ZAR 13.2975	ZAR 13.2438
	ZAR	B	EUR 1 =	ZAR 15.8664	ZAR 14.2698	ZAR 14.5615	ZAR 14.7307
		S	EUR 1 =	ZAR 16.2975	ZAR 14.6968	ZAR 14.9917	ZAR 15.1653
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 1.0930	USD 1.1221	USD 1.1412
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 144.14	LKR 150.44	LKR 150.81	LKR 151.40
		S	USD 1 =	LKR 147.97	LKR 154.24	LKR 154.61	LKR 155.20
	LKR	B	EUR 1 =	LKR 158.29	LKR 162.50	LKR 167.49	LKR 172.13
		S	EUR 1 =	LKR 164.52	LKR 168.68	LKR 173.82	LKR 178.63
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 7.2640	SDG 7.4492	SDG 7.4485
		S	EUR 1 =	SDG 6.8608	SDG 7.3004	SDG 7.4865	SDG 7.4857
Suriname							
Paramaribo 492	Suriname dollar = 100 cent	B	USD 1 =	SRD 6.320	SRD 7.484	SRD 7.465	SRD 7.435
		S	USD 1 =	SRD 6.434	SRD 7.610	SRD 7.590	SRD 7.560
	SRD	B	EUR 1 =	SRD 6.958	SRD 8.134	SRD 8.330	SRD 8.476
		S	EUR 1 =	SRD 7.084	SRD 8.260	SRD 8.460	SRD 8.608
Swaziland ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 14.6400	SZL 13.3188	SZL 13.0513	SZL 12.9313
		S	USD 1 =	SZL 14.6839	SZL 13.3688	SZL 13.1013	SZL 12.9813
	SZL	B	EUR 1 =	SZL 16.14487	SZL 14.4948	SZL 14.6057	SZL 14.7778
		S	EUR 1 =	SZL 16.19715	SZL 14.5505	SZL 14.6642	SZL 14.8376
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.5274	SEK 8.8061	SEK 8.6835	SEK 8.4365
		S	USD 1 =	SEK 8.5949	SEK 8.8736	SEK 8.7510	SEK 8.5040
	SEK	B	EUR 1 =	SEK 9.4489	SEK 9.6057	SEK 9.7387	SEK 9.6569
		S	EUR 1 =	SEK 9.5004	SEK 9.6572	SEK 9.7902	SEK 9.7084

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		
					April 2017	May 2017	June 2017
Switzerland							
Berne 039	Swiss franc = 100 rappen / centimes CHF	B	USD 1 =	CHF 0.9852	CHF 0.9934	CHF 0.9740	CHF 0.9586
		B	EUR 1 =	CHF 1.0902	CHF 1.0824	CHF 1.0888	CHF 1.0930
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 467.91	SYP 514.85	SYP 514.85	SYP 514.85
		S	USD 1 =	SYP 470.72	SYP 520.00	SYP 520.00	SYP 520.00
		B	EUR 1 =	SYP 515.56	SYP 552.30	SYP 574.88	SYP 573.00
		S	EUR 1 =	SYP 519.18	SYP 557.83	SYP 580.63	SYP 578.73
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 7.8496	TJS 8.4999	TJS 8.8200	TJS 8.8102
		M	EUR 1 =	TJS 8.6825	TJS 9.2776	TJS 9.8361	TJS 10.0419
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 2,216.2277	TZS 2,218.3861	TZS 2,219.0495
		S	USD 1 =	TZS 2,187.8392	TZS 2,238.3900	TZS 2,240.5700	TZS 2,241.2400
		B	EUR 1 =	TZS 2,386.6230	TZS 2,408.5963	TZS 2,478.3810	TZS 2,529.2726
		S	EUR 1 =	TZS 2,411.1094	TZS 2,432.9061	TZS 2,503.8370	TZS 2,555.4618
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 35.1247	THB 34.4649	THB 33.9293	THB 33.8145
		S	USD 1 =	THB 35.4649	THB 34.7852	THB 34.2680	THB 34.1483
		B	EUR 1 =	THB 38.5268	THB 37.2679	THB 37.7243	THB 38.4919
		S	EUR 1 =	THB 39.2756	THB 37.9766	THB 38.4628	THB 39.2127
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 600.144	XOF 584.580	XOF 574.796
		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 0.4428	USD 0.4468	USD 0.4565
		M	TOP 1 =	EUR 0.4071	EUR 0.4058	EUR 0.3996	EUR 0.3986
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.6274	TTD 6.7190	TTD 6.6553	TTD 6.7382
		S	USD 1 =	TTD 6.6648	TTD 6.7739	TTD 6.7880	TTD 6.7922
		B	EUR 1 =	TTD 7.2338	TTD 7.3204	TTD 7.4771	TTD 7.8216
		S	EUR 1 =	TTD 7.7041	TTD 7.6576	TTD 7.8379	TTD 8.1615

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		
					April 2017	May 2017	June 2017
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.1357	TND 2.3874	TND 2.4271	TND 2.4169
			USD 1 =	TND 2.1380	TND 2.3897	TND 2.4296	TND 2.4194
	TND	B S	EUR 1 =	TND 2.3595	TND 2.6049	TND 2.7226	TND 2.7606
			EUR 1 =	TND 2.3620	TND 2.6075	TND 2.7254	TND 2.7633
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 3.0218	TRY 3.5583	TRY 3.5642	TRY 3.5071
			USD 1 =	TRY 3.0272	TRY 3.5647	TRY 3.5707	TRY 3.5135
	TRY	B S	EUR 1 =	TRY 3.3408	TRY 3.8787	TRY 3.9744	TRY 4.0030
			EUR 1 =	TRY 3.3468	TRY 3.8857	TRY 3.9816	TRY 4.0102
Turkmenistan							
Ashgabat 080	Turkmen manat = 100 tenge	2 M	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
			EUR 1 =	TMT 3.8696	TMT 3.8287	TMT 3.9036	TMT 3.9918
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,423.30	UGX 3,639.63	UGX 3,597.63	UGX 3,585.90
			USD 1 =	UGX 3,433.30	UGX 3,649.63	UGX 3,607.63	UGX 3,595.90
	UGX	B S	EUR 1 =	UGX 3,766.57	UGX 3,954.46	UGX 4,021.43	UGX 4,096.89
			EUR 1 =	UGX 3,777.58	UGX 3,965.32	UGX 4,032.61	UGX 4,108.32
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok	M M	USD 100 =	UAH 2,558.7328	UAH 2,655.1453	UAH 2,635.2778	UAH 2,609.8994
			EUR 100 =	UAH 2,831.1578	UAH 2,889.0636	UAH 2,944.3959	UAH 2,978.6782
United Arab Emirates ¹							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils	2 V, M	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
			EUR 1 =	AED 4.0514	AED 4.0140	AED 4.1209	AED 4.1911
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M M	GBP 1 =	USD 1.3542	USD 1.2938	USD 1.2912	USD 1.2990
			EUR 1 =	GBP 0.8227	GBP 0.8417	GBP 0.8710	GBP 0.8779
United States							
Washington 400	US dollar = 100 cents	M M	EUR 1 =	USD 1.10344	USD 1.0895	USD 1.1241	USD 1.1423
			GBP 1 =	USD 1.35493	USD 1.2946	USD 1.2888	USD 1.3025

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.

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		
					April 2017	May 2017	June 2017
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 30.084 r	UYU 28.109	UYU 28.278	UYU 28.481
		M	EUR 1 =	UYU 33.2936 r	UYU 30.6332	UYU 31.7887	UYU 32.5182
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 2,973.82	UZS 3,706.22	UZS 3,846.33	UZS 3,958.56
		M	EUR 1 =	UZS 3,310.38	UZS 3,967.46	UZS 4,316.74	UZS 4,422.11
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 108.99	VUV 109.51	VUV 108.91	VUV 104.63
		S	USD 1 =	VUV 114.61	VUV 115.59	VUV 114.95	VUV 112.84
		B	EUR 1 =	VUV 120.03	VUV 119.34	VUV 122.01	VUV 115.18
		S	EUR 1 =	VUV 124.65	VUV 124.03	VUV 126.80	VUV 127.37
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar = 100 céntimos VEF	² B	USD 1 =	VEF 9.975	VEF 9.975	– 1	–
		S	USD 1 =	VEF 10.000	VEF 10.000	– 1	–
		B	EUR 1 =	VEF 11.043023	VEF 10.863773	– 1	–
		S	EUR 1 =	VEF 11.074900	VEF 10.895000	– 1	–
		³ B	USD 1 =	VEF 574.2342	VEF 715.6453	VEF 2,004.9750 ¹	VEF 2,633.4000
		S	USD 1 =	VEF 575.6734	VEF 717.4389	VEF 2,010.0000 ¹	VEF 2,640.0000
		B	EUR 1 =	VEF 633.275665	VEF 779.409296	VEF 2,252.1884 ¹	VEF 3,007.3428
		S	EUR 1 =	VEF 635.097637	VEF 781.649682	VEF 2,258.0340 ¹	VEF 3,015.1440
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 22,332	VND 22,695	VND 22,680	VND 22,700
		S	USD 1 =	VND 22,403	VND 22,765	VND 22,750	VND 22,770
		B	EUR 1 =	VND 24,544.09	VND 24,733.99	VND 25,255.87	VND 25,780.61
		S	EUR 1 =	VND 24,785.72	VND 24,979.79	VND 25,506.33	VND 26,035.73
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 272.43	YER 279.69	YER 279.06
		S	EUR 1 =	YER 266.27	YER 272.97	YER 280.25	YER 279.62
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 10.2260	ZMW 9.3099	ZMW 9.2302	ZMW 9.1160
		S	USD 1 =	ZMW 10.2640	ZMW 9.3599	ZMW 9.2790	ZMW 9.1658
		B	EUR 1 =	ZMW 11.2881	ZMW 10.1488	ZMW 10.3572	ZMW 10.2291
		S	EUR 1 =	ZMW 11.3329	ZMW 10.2061	ZMW 10.4128	ZMW 10.2859

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 = 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 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
June	1.39139	1.21923	9.43637	155.752	1.07207	1.80560	1.33406	9.06701	11.6696	11.7837

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 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	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	11.6623	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	12.0389
	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
	12	1.38329	1.23277	9.40247	152.438	1.09002	1.85568	1.33847	9.16775	11.7094	12.0559
	13	1.38321	1.23314	9.40194	152.140	1.08645	1.83110	1.33950	9.17027	11.6581	12.0619
	14	1.38293	1.23443	9.40044	152.191	1.08657	1.82671	1.34144	9.17962	11.6209	12.0074
	15	1.38220	1.23786	9.39285	151.627	1.08179	1.83597	1.34598	9.20471	11.7248	12.0507
	16	1.38088	1.23657	9.40654	153.388	1.08076	1.82718	1.34512	9.19532	11.6998	12.0743
	19	1.38249	1.23447	9.42534	153.511	1.07990	1.82765	1.34212	9.18097	11.6680	12.0391
	20	1.37842	1.23559	9.41753	153.956	1.08794	1.82875	1.34203	9.19008	11.7294	12.0524
	21	1.37872	1.23686	9.41487	153.549	1.08719	1.83508	1.34343	9.20260	11.7696	12.1009
	22	1.37900	1.23466	9.41966	153.275	1.08835	1.82593	1.34245	9.18442	11.7114	12.0669
	23	1.37953	1.23470	9.43601	153.624	1.08300	1.83036	1.34007	9.18274	11.6818	12.0619
	26	1.37931	1.23296	9.43174	153.532	1.08266	1.82594	1.34262	9.16884	11.6869	12.0158
	27	1.38332	1.22656	9.44483	154.862	1.08495	1.82432	1.33559	9.12034	11.6769	12.0642
	28	1.38757	1.21984	9.43432	155.546	1.08188	1.81217	1.33276	9.07153	11.7129	11.9510
	29	1.39063	1.21846	9.42694	156.153	1.07252	1.80990	1.33333	9.06134	11.6607	11.8376
	30	1.39139	1.21923	9.43637	155.752	1.07207	1.80560	1.33406	9.06701	11.6696	11.7837
July	3	1.38878	1.22155	9.42711	156.279	1.07200	.	.	.	.	.
	5	1.38553	1.22299	9.41815	156.661	1.07334	1.79869	1.34050	9.09529	11.6142	11.7899
	6	1.38807	1.21921	9.44439	156.921	1.07129	1.79699	1.33990	9.06709	11.6188	11.7755
	7	1.38883	1.21699	9.44332	158.021	1.07720	1.78978	1.33703	9.05084	11.6360	11.7237

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							
	US dollar	Euro	Exchange rate anchor Composite	Other				
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-June 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 37,680 Iranian rials to the US dollar and 43,650 Iranian rials to the euro at the end of June 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 (convertible at par).

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 (convertible at par).

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 360 naira to the US dollar at the end of June 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 (convertible at par).

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 8,000 bolívar in the middle of June 2017.