



Exchange rate statistics July 2019

Statistical Supplement 5
to the Monthly Report

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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	Data unknown, not to be published or not meaningful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 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
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 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	Sweden
Period		Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2019 Apr.	1	1.9558	7.4268	25.791	7.4641	321.04	4.2990	4.7626	10.4200
	2	1.9558	7.4298	25.753	7.4646	321.68	4.2953	4.7618	10.4418
	3	1.9558	7.4290	25.724	7.4643	320.05	4.2930	4.7555	10.4300
	4	1.9558	7.4320	25.693	7.4639	319.81	4.2892	4.7495	10.4075
	5	1.9558	7.4235	25.613	7.4646	320.75	4.2897	4.7513	10.4260
	8	1.9558	7.4318	25.634	7.4651	321.54	4.2887	4.7512	10.4325
	9	1.9558	7.4342	25.618	7.4650	321.50	4.2870	4.7610	10.4250
	10	1.9558	7.4253	25.608	7.4652	321.84	4.2833	4.7605	10.4400
	11	1.9558	7.4385	25.606	7.4648	321.71	4.2830	4.7593	10.4370
	12	1.9558	7.4350	25.623	7.4643	321.90	4.2796	4.7598	10.4788
	15	1.9558	7.4360	25.625	7.4639	320.25	4.2742	4.7618	10.4608
	16	1.9558	7.4370	25.663	7.4642	319.78	4.2744	4.7618	10.4638
	17	1.9558	7.4375	25.657	7.4652	319.69	4.2731	4.7625	10.4408
	18	1.9558	7.4350	25.682	7.4663	320.09	4.2786	4.7618	10.4760
	23	1.9558	7.4245	25.743	7.4659	320.85	4.2864	4.7611	10.5070
	24	1.9558	7.4218	25.729	7.4666	321.00	4.2896	4.7559	10.5010
	25	1.9558	7.4185	25.737	7.4663	322.41	4.2950	4.7586	10.6295
	26	1.9558	7.4165	25.705	7.4654	322.11	4.2878	4.7597	10.5738
	29	1.9558	7.4173	25.682	7.4652	322.64	4.2944	4.7517	10.6113
	30	1.9558	7.4130	25.659	7.4646	322.97	4.2868	4.7596	10.6350
May	2	1.9558	7.4143	25.648	7.4655	324.00	4.2800	4.7583	10.6850
	3	1.9558	7.4143	25.712	7.4657	323.38	4.2853	4.7553	10.7043
	6	1.9558	7.4124	25.715	7.4662	323.43	4.2832	4.7555	10.7258
	7	1.9558	7.4100	25.731	7.4657	324.30	4.2862	4.7580	10.7145
	8	1.9558	7.4093	25.727	7.4657	324.18	4.2912	4.7598	10.7494
	9	1.9558	7.4085	25.718	7.4659	323.33	4.2934	4.7615	10.7973
	10	1.9558	7.4090	25.732	7.4658	323.52	4.2960	4.7598	10.8108
	13	1.9558	7.4093	25.776	7.4668	323.71	4.3048	4.7606	10.8323
	14	1.9558	7.4113	25.751	7.4691	324.23	4.3061	4.7615	10.7790
	15	1.9558	7.4183	25.760	7.4695	325.15	4.3094	4.7615	10.7688
	16	1.9558	7.4245	25.696	7.4678	324.28	4.2962	4.7620	10.7590
	17	1.9558	7.4293	25.753	7.4677	326.38	4.3031	4.7626	10.7660
	20	1.9558	7.4268	25.766	7.4681	325.77	4.2968	4.7597	10.7668
	21	1.9558	7.4265	25.775	7.4685	326.52	4.3060	4.7633	10.7743
	22	1.9558	7.4260	25.793	7.4680	326.54	4.3038	4.7625	10.7600
	23	1.9558	7.4265	25.821	7.4684	326.95	4.3064	4.7606	10.7373
	24	1.9558	7.4258	25.830	7.4678	325.95	4.2974	4.7619	10.7098
	27	1.9558	7.4230	25.834	7.4688	325.75	4.2935	4.7604	10.7148
	28	1.9558	7.4255	25.843	7.4689	326.60	4.2951	4.7623	10.6865
	29	1.9558	7.4245	25.861	7.4687	326.47	4.2998	4.7604	10.7063
	30	1.9558	7.4220	25.841	7.4687	324.74	4.2887	4.7553	10.6323
	31	1.9558	7.4185	25.816	7.4680	324.34	4.2843	4.7430	10.6390
June	3	1.9558	7.4180	25.832	7.4680	323.73	4.2833	4.7377	10.6180
	4	1.9558	7.4210	25.744	7.4679	322.00	4.2802	4.7353	10.6260
	5	1.9558	7.4155	25.657	7.4682	321.51	4.2778	4.7243	10.6255
	6	1.9558	7.4215	25.663	7.4687	321.30	4.2788	4.7221	10.6175
	7	1.9558	7.4176	25.642	7.4680	321.53	4.2714	4.7216	10.6562
	10	1.9558	7.4163	25.626	7.4682	320.21	4.2639	4.7196	10.6455
	11	1.9558	7.4140	25.640	7.4687	320.50	4.2678	4.7252	10.6828
	12	1.9558	7.4130	25.614	7.4678	321.43	4.2608	4.7250	10.6800
	13	1.9558	7.4128	25.581	7.4678	322.00	4.2574	4.7221	10.6968
	14	1.9558	7.4105	25.540	7.4676	321.53	4.2534	4.7233	10.6390
	17	1.9558	7.4055	25.560	7.4674	322.29	4.2605	4.7280	10.6495
	18	1.9558	7.4055	25.609	7.4672	322.31	4.2592	4.7232	10.6413
	19	1.9558	7.4023	25.635	7.4671	323.97	4.2670	4.7275	10.6868
	20	1.9558	7.4035	25.619	7.4661	323.58	4.2556	4.7262	10.6348
	21	1.9558	7.4013	25.609	7.4657	323.97	4.2584	4.7239	10.6308
	24	1.9558	7.3965	25.601	7.4663	324.29	4.2545	4.7181	10.6078
	25	1.9558	7.3945	25.557	7.4654	324.49	4.2563	4.7184	10.5320
	26	1.9558	7.3956	25.486	7.4651	323.50	4.2627	4.7220	10.5435
	27	1.9558	7.3955	25.434	7.4641	323.64	4.2515	4.7223	10.5488
	28	1.9558	7.3973	25.447	7.4636	323.39	4.2496	4.7343	10.5633
July	1	1.9558	7.3970	25.478	7.4647	322.90	4.2427	4.7327	10.5450
	2	1.9558	7.3965	25.462	7.4639	322.91	4.2429	4.7331	10.5565
	3	1.9558	7.3955	25.458	7.4641	322.44	4.2428	4.7349	10.5155
	4	1.9558	7.3985	25.434	7.4633	322.82	4.2439	4.7188	10.5208
	5	1.9558	7.3975	25.471	7.4635	323.41	4.2449	4.7246	10.5575
	8	1.9558	7.3955	25.509	7.4631	324.66	4.2530	4.7200	10.5973
	9	1.9558	7.3954	25.543	7.4634	325.46	4.2630	4.7265	10.6338

* See Explanatory notes, p. 51.

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

		Other European and non-European countries							
United Kingdom	Australia	Brazil	Canada	China	Hong Kong	Iceland	India		
Pound sterling GBP	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Period	
0.85658	1.5775	4.3564	1.5006	7.5410	8.8201	137.70	77.8885	2019 Apr. 1	
0.86000	1.5817	4.3237	1.4919	7.5265	8.7918	137.10	77.0035	2	
0.85390	1.5794	4.3130	1.4964	7.5423	8.8246	134.40	76.9305	3	
0.85418	1.5781	4.3340	1.4987	7.5353	8.8062	133.80	77.5930	4	
0.85938	1.5787	4.3266	1.5030	7.5457	8.8173	133.40	77.7870	5	
0.86183	1.5823	4.3558	1.5042	7.5561	8.8247	133.60	78.3215	8	
0.86335	1.5781	4.3471	1.4984	7.5688	8.8440	133.80	78.1880	9	
0.86083	1.5785	4.3301	1.5032	7.5758	8.8405	134.20	77.9945	10	
0.86168	1.5760	4.3221	1.5067	7.5672	8.8354	135.20	77.6855	11	
0.86290	1.5771	4.3884	1.5082	7.5939	8.8788	135.20	78.2915	12	
0.86305	1.5761	4.3985	1.5060	7.5867	8.8685	135.60	78.5405	15	
0.86390	1.5767	4.3922	1.5110	7.5846	8.8665	135.60	78.6445	16	
0.86593	1.5712	4.4046	1.5070	7.5594	8.8656	135.60	78.4570	17	
0.86470	1.5719	4.4206	1.5065	7.5445	8.8265	135.60	78.0680	18	
0.86450	1.5814	4.4201	1.5057	7.5557	8.8211	135.80	78.3125	23	
0.86545	1.5922	4.3984	1.5078	7.5304	8.7910	135.80	78.2950	24	
0.86435	1.5906	4.4443	1.5023	7.5047	8.7243	136.00	78.1790	25	
0.86340	1.5824	4.4134	1.5020	7.4991	8.7337	136.00	77.9495	26	
0.86340	1.5825	4.3849	1.5028	7.5067	8.7460	136.20	77.8635	29	
0.86248	1.5911	4.4050	1.5075	7.5541	8.8007	136.20	78.0615	30	
0.85930	1.5970	4.4095	1.5064	7.5508	8.7958	137.40	77.7820	May 2	
0.85785	1.5943	4.4194	1.5019	7.5124	8.7512	136.60	77.2590	3	
0.85470	1.6021	4.4468	1.5095	7.5771	8.7871	136.20	77.7325	6	
0.85645	1.5944	4.4383	1.5065	7.5710	8.7781	136.60	77.6400	7	
0.86095	1.5987	4.4293	1.5074	7.5950	8.7922	137.00	78.0805	8	
0.86120	1.6046	4.4368	1.5093	7.6374	8.7844	137.20	78.3435	9	
0.86250	1.6059	4.4405	1.5132	7.6628	8.8135	137.00	78.6075	10	
0.86350	1.6142	4.4972	1.5117	7.7335	8.8260	137.20	79.3420	13	
0.86723	1.6162	4.4743	1.5117	7.7252	8.8112	137.80	79.0375	14	
0.86820	1.6166	4.4659	1.5075	7.6925	8.7784	137.40	78.6785	15	
0.87463	1.6213	4.4784	1.5039	7.7067	8.7934	137.00	78.4690	16	
0.87595	1.6239	4.5286	1.5074	7.7245	8.7694	137.20	78.4330	17	
0.87620	1.6141	4.5666	1.5000	7.7228	8.7656	137.80	77.7860	20	
0.87610	1.6223	4.5688	1.4966	7.7081	8.7609	137.80	77.7830	21	
0.88280	1.6221	4.5163	1.4952	7.7108	8.7692	138.50	77.8600	22	
0.88100	1.6199	4.5187	1.5000	7.7058	8.7424	138.40	77.9150	23	
0.88318	1.6205	4.5247	1.5053	7.7206	8.7806	138.30	77.8000	24	
0.88225	1.6168	4.4905	1.5061	7.7254	8.7899	138.70	77.8585	27	
0.88373	1.6162	4.5305	1.5071	7.7345	8.7839	138.70	77.9025	28	
0.88225	1.6116	4.4942	1.5065	7.7081	8.7570	138.50	77.8925	29	
0.88178	1.6098	4.4327	1.5029	7.6903	8.7386	138.50	77.8115	30	
0.88693	1.6136	4.4462	1.5115	7.7045	8.7457	138.30	77.7410	31	
0.88618	1.6077	4.3847	1.5098	7.7253	8.7645	138.50	77.4720	June 3	
0.88738	1.6116	4.3638	1.5111	7.7686	8.8143	139.30	77.8740	4	
0.88631	1.6114	4.3427	1.5070	7.7754	8.8257	139.50	78.0475	5	
0.88558	1.6132	4.3659	1.5096	7.7880	8.8333	139.30	78.0180	6	
0.88675	1.6173	4.3719	1.5061	7.7893	8.8396	139.30	78.3320	7	
0.89248	1.6235	4.3877	1.5004	7.8365	8.8634	140.10	78.6445	10	
0.89085	1.6273	4.3893	1.5002	7.8243	8.8700	140.50	78.6155	11	
0.88805	1.6292	4.3661	1.5059	7.8346	8.8570	141.50	78.4910	12	
0.88948	1.6336	4.3429	1.5021	7.8144	8.8375	141.50	78.4745	13	
0.89093	1.6324	4.3423	1.5018	7.7997	8.8170	141.50	78.6080	14	
0.89208	1.6355	4.3796	1.5069	7.7794	8.7963	141.50	78.5770	17	
0.89403	1.6349	4.3313	1.5016	7.7486	8.7643	141.50	78.0005	18	
0.89020	1.6303	4.3324	1.4990	7.7378	8.7683	141.50	78.0755	19	
0.89155	1.6323	4.3407	1.4886	7.7502	8.8379	141.50	78.5065	20	
0.89425	1.6386	4.3357	1.4928	7.7792	8.8424	141.50	78.6985	21	
0.89365	1.6385	4.3565	1.5030	7.8354	8.9000	141.50	79.0865	24	
0.89485	1.6341	4.3669	1.5001	7.8347	8.8915	141.50	78.9725	25	
0.89603	1.6277	4.3624	1.4947	7.8139	8.8724	141.50	78.5705	26	
0.89428	1.6251	4.3868	1.4928	7.8199	8.8836	141.70	78.5675	27	
0.89655	1.6244	4.3511	1.4893	7.8185	8.8866	141.70	78.5240	28	
0.89718	1.6226	4.3435	1.4866	7.7654	8.8639	141.70	78.2360	July 1	
0.89443	1.6155	4.3381	1.4819	7.7706	8.8194	141.70	77.9280	2	
0.89750	1.6093	4.3640	1.4794	7.7703	8.8054	141.70	77.7470	3	
0.89730	1.6076	4.3098	1.4749	7.7567	8.7899	141.70	77.3335	4	
0.89703	1.6057	4.2895	1.4712	7.7425	8.7758	141.70	77.1095	5	
0.89625	1.6058	4.2752	1.4642	7.7173	8.7482	141.70	76.8955	8	
0.89975	1.6164	4.2650	1.4706	7.7155	8.7508	141.90	76.7810	9	

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

1. Daily rates (cont'd)

EUR 1 = CU ...

		Other European and non-European countries (cont'd)								
		Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	
		Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	
2019 Apr.	1	15,983.21	4.0746	124.68	1,275.24	4.5848	21.6437	1.6458	9.6380	
	2	15,926.40	4.0610	124.73	1,272.75	4.5715	21.3972	1.6544	9.6445	
	3	15,939.20	4.0513	125.30	1,275.35	4.5900	21.5195	1.6551	9.6218	
	4	15,895.08	4.0439	125.01	1,276.07	4.5768	21.5469	1.6599	9.6308	
	5	15,900.87	4.0219	125.44	1,277.64	4.5985	21.4975	1.6662	9.6610	
	8	15,927.71	4.0255	125.36	1,288.11	4.6123	21.4390	1.6694	9.6305	
	9	15,937.78	4.0346	125.51	1,284.96	4.6220	21.3479	1.6718	9.6190	
	10	15,959.79	4.0351	125.38	1,283.09	4.6328	21.2783	1.6697	9.5895	
	11	15,966.16	4.0375	125.30	1,285.17	4.6383	21.2826	1.6705	9.5885	
	12	15,954.12	4.0389	126.76	1,283.00	4.6580	21.2360	1.6748	9.6020	
	15	15,906.08	4.0295	126.66	1,281.37	4.6573	21.2497	1.6729	9.6018	
	16	15,923.09	4.0238	126.59	1,283.17	4.6736	21.3551	1.6713	9.5869	
	17	15,917.46	4.0400	126.51	1,280.65	4.6724	21.2813	1.6784	9.5778	
	18	15,797.81	4.0432	125.86	1,278.95	4.6609	21.2303	1.6819	9.5978	
	23	15,827.34	4.0479	125.82	1,284.26	4.6431	21.2357	1.6889	9.5845	
	24	15,799.09	4.0507	125.34	1,290.23	4.6293	21.2624	1.6922	9.6070	
	25	15,831.37	4.0409	124.45	1,293.77	4.6049	21.2997	1.6884	9.6638	
	26	15,804.41	4.0457	124.45	1,292.46	4.6079	21.2210	1.6739	9.6653	
	29	15,833.00	4.0356	124.64	1,294.00	4.6089	21.1267	1.6730	9.6883	
	30	15,953.68	4.0448	124.93	1,308.01	4.6314	21.2829	1.6805	9.6678	
	May	2	15,977.10	4.0336	125.01	1,304.15	4.6384	21.2467	1.6916	9.7450
		3	15,901.45	4.0122	124.40	1,305.08	4.6187	21.3377	1.6856	9.7783
		6	16,006.17	4.0206	124.13	1,311.18	4.6448	21.3243	1.6936	9.7905
		7	15,972.18	4.0137	123.73	1,309.83	4.6401	21.2691	1.6957	9.7605
		8	16,013.26	4.0104	123.31	1,313.49	4.6471	21.3707	1.6993	9.8285
		9	16,062.37	3.9973	122.91	1,324.18	4.6480	21.4412	1.7015	9.8068
		10	16,177.38	4.0004	123.25	1,325.32	4.6781	21.5589	1.7025	9.8193
		13	16,210.88	4.0140	123.06	1,335.85	4.6830	21.6342	1.7087	9.8148
		14	16,199.12	4.0147	123.00	1,333.20	4.6818	21.5178	1.7056	9.7990
		15	16,170.62	3.9934	122.24	1,331.31	4.6728	21.4741	1.7067	9.8003
16		16,188.34	3.9970	122.81	1,332.17	4.6655	21.3161	1.7063	9.7513	
17		16,143.54	3.9930	122.34	1,334.38	4.6721	21.4336	1.7107	9.7953	
20		16,166.80	3.9881	122.67	1,333.12	4.6712	21.3388	1.7071	9.7978	
21		16,164.48	4.0171	123.27	1,331.88	4.6720	21.2841	1.7142	9.7913	
22	16,225.88	4.0342	123.27	1,329.30	4.6756	21.2345	1.7173	9.7598		
23	16,129.83	4.0265	122.56	1,327.41	4.6728	21.1883	1.7155	9.7543		
24	16,100.89	4.0331	122.61	1,328.29	4.6857	21.3057	1.7109	9.7558		
27	16,102.72	4.0406	122.56	1,326.85	4.6880	21.3291	1.7107	9.7523		
28	16,088.50	4.0445	122.45	1,329.89	4.6878	21.3797	1.7088	9.7165		
29	16,083.61	4.0333	121.91	1,333.30	4.6788	21.4504	1.7106	9.7730		
30	16,032.96	4.0365	122.10	1,325.97	4.6655	21.3092	1.7095	9.7638		
31	15,982.17	4.0505	121.27	1,328.31	4.6747	21.8922	1.7134	9.7915		
June	3	15,925.20	4.0597	121.17	1,323.45	4.6742	22.1130	1.7040	9.7778	
	4	15,992.34	4.0641	121.62	1,330.90	4.6886	22.1603	1.7062	9.7860	
	5	15,990.01	4.0604	121.96	1,324.33	4.6711	22.0886	1.6943	9.7738	
	6	15,990.96	4.0543	121.82	1,328.90	4.6872	22.2767	1.6983	9.8083	
	7	16,061.77	4.0586	122.27	1,336.22	4.6883	22.2505	1.7016	9.7963	
	10	16,098.27	4.0512	122.78	1,339.72	4.7052	21.7522	1.7086	9.7808	
	11	16,116.85	4.0544	123.09	1,337.48	4.7123	21.6783	1.7206	9.7700	
	12	16,125.56	4.0561	122.72	1,337.81	4.7075	21.6615	1.7206	9.7820	
	13	16,135.37	4.0530	122.44	1,335.74	4.7068	21.6384	1.7201	9.7720	
	14	16,128.10	4.0518	121.90	1,333.60	4.6981	21.6073	1.7241	9.7728	
	17	16,103.94	4.0549	122.06	1,333.25	4.6913	21.5292	1.7259	9.7938	
	18	16,022.58	4.0403	121.08	1,325.56	4.6778	21.3935	1.7192	9.7795	
	19	15,991.83	4.0422	121.49	1,318.62	4.6760	21.4542	1.7173	9.7815	
	20	16,036.15	4.0458	121.71	1,312.25	4.6901	21.3960	1.7158	9.6678	
21	15,987.00	4.0785	121.64	1,314.41	4.7002	21.5698	1.7261	9.6860		
24	16,125.00	4.1029	122.25	1,317.77	4.7171	21.8229	1.7244	9.6643		
25	16,116.30	4.1013	121.97	1,314.27	4.7119	21.9042	1.7140	9.6855		
26	16,097.68	4.0825	122.40	1,312.86	4.7124	21.7972	1.7004	9.6733		
27	16,077.18	4.0759	122.64	1,313.12	4.7117	21.7397	1.6996	9.6843		
28	16,083.35	4.0607	122.60	1,315.35	4.7082	21.8201	1.6960	9.6938		
July	1	16,016.28	4.0543	122.93	1,318.27	4.6904	21.7024	1.6941	9.6848	
	2	15,976.79	4.0388	122.36	1,318.30	4.6769	21.5491	1.6956	9.6715	
	3	15,970.00	4.0307	121.61	1,321.04	4.6774	21.4816	1.6883	9.6593	
	4	15,961.23	4.0268	121.65	1,319.51	4.6653	21.4305	1.6888	9.6298	
	5	15,899.68	4.0124	121.77	1,318.43	4.6566	21.3872	1.6912	9.6325	
	8	15,824.37	4.0095	121.80	1,322.07	4.6436	21.2581	1.6888	9.6840	
	9	15,832.67	3.9974	121.93	1,325.05	4.6410	21.1827	1.6937	9.6983	

* 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	
58.972	73.7449	1.5213	15.9175	1.1180	35.657	6.2135	1.1236	2019 Apr. 1
58.706	73.2144	1.5178	15.8256	1.1195	35.560	6.2141	1.1200	2
58.608	73.3600	1.5209	15.9120	1.1206	35.697	6.3014	1.1243	3
58.637	73.3377	1.5187	15.8758	1.1207	35.654	6.3230	1.1219	4
58.537	73.3270	1.5215	15.8078	1.1235	35.833	6.2855	1.1233	5
58.633	73.2680	1.5243	15.8562	1.1245	35.942	6.3781	1.1246	8
58.682	73.0029	1.5255	15.8215	1.1270	35.804	6.4056	1.1277	9
58.543	72.8600	1.5258	15.7391	1.1280	35.839	6.4144	1.1279	10
58.506	72.6590	1.5254	15.7752	1.1304	35.848	6.4724	1.1264	11
58.553	72.6133	1.5318	15.7631	1.1326	35.955	6.5350	1.1321	12
58.476	72.7011	1.5299	15.8192	1.1345	35.936	6.5637	1.1313	15
58.517	72.7183	1.5302	15.8797	1.1371	35.961	6.5718	1.1305	16
58.381	72.1887	1.5286	15.7872	1.1400	35.926	6.4967	1.1301	17
58.147	71.9719	1.5251	15.8482	1.1383	35.792	6.5486	1.1250	18
58.541	71.6763	1.5259	15.9686	1.1470	35.945	6.5390	1.1245	23
58.491	71.9850	1.5235	16.0928	1.1416	35.869	6.5885	1.1209	24
58.156	72.2100	1.5189	16.1628	1.1368	35.749	6.6255	1.1123	25
58.074	72.1131	1.5175	16.0481	1.1372	35.614	6.6242	1.1133	26
58.114	71.9802	1.5191	15.9947	1.1379	35.624	6.6207	1.1150	29
58.125	72.2099	1.5263	16.0224	1.1437	35.802	6.6913	1.1218	30
58.023	73.2535	1.5259	16.2178	1.1419	35.906	6.6872	1.1212	May 2
57.860	72.8703	1.5209	16.2072	1.1383	35.724	6.6644	1.1155	3
58.187	72.9750	1.5266	16.2549	1.1403	35.730	6.7429	1.1199	6
58.108	72.7907	1.5242	16.1219	1.1415	35.680	6.8751	1.1185	7
58.437	73.0256	1.5257	16.0691	1.1407	35.622	6.9272	1.1202	8
58.477	73.0572	1.5266	16.0432	1.1390	35.577	6.9725	1.1193	9
58.722	73.3493	1.5305	15.9762	1.1378	35.464	6.8837	1.1230	10
58.969	73.5854	1.5389	16.0868	1.1319	35.619	6.8681	1.1245	13
58.898	73.2104	1.5366	15.9746	1.1307	35.362	6.7732	1.1226	14
58.588	72.4794	1.5317	15.9620	1.1276	35.322	6.7780	1.1183	15
58.797	72.2886	1.5340	15.8555	1.1306	35.396	6.7483	1.1203	16
58.908	72.1926	1.5365	16.0667	1.1283	35.499	6.7659	1.1172	17
58.866	72.0519	1.5366	16.0392	1.1263	35.567	6.7315	1.1167	20
58.653	71.9646	1.5382	16.0909	1.1274	35.643	6.7485	1.1161	21
58.610	71.7625	1.5399	16.0504	1.1252	35.686	6.8110	1.1171	22
58.498	72.0525	1.5391	16.0935	1.1224	35.639	6.8308	1.1139	23
58.403	72.1352	1.5403	16.1554	1.1215	35.636	6.7988	1.1187	24
58.466	72.1850	1.5393	16.1888	1.1257	35.643	6.7670	1.1198	27
58.489	72.2891	1.5420	16.3494	1.1254	35.602	6.7530	1.1192	28
58.380	72.8036	1.5413	16.5276	1.1217	35.521	6.7140	1.1156	29
58.064	72.3334	1.5361	16.3022	1.1228	35.428	6.5590	1.1134	30
58.225	72.9053	1.5378	16.3834	1.1214	35.282	6.5270	1.1151	31
58.012	73.1315	1.5328	16.2910	1.1162	35.138	6.5815	1.1185	June 3
58.207	73.3390	1.5396	16.4791	1.1178	35.188	6.5295	1.1244	4
58.280	73.3295	1.5364	16.5890	1.1163	35.302	6.4344	1.1257	5
58.249	73.4704	1.5363	16.7523	1.1174	35.285	6.5014	1.1266	6
58.605	73.2914	1.5407	16.9681	1.1191	35.341	6.5862	1.1273	7
58.869	73.1393	1.5453	16.7993	1.1200	35.423	6.5511	1.1301	10
58.810	73.0227	1.5446	16.7140	1.1233	35.403	6.5752	1.1320	11
58.815	73.3013	1.5445	16.7129	1.1252	35.379	6.5550	1.1323	12
58.556	72.9275	1.5423	16.7876	1.1207	35.250	6.6343	1.1289	13
58.539	72.3880	1.5403	16.6529	1.1211	35.101	6.6427	1.1265	14
58.703	72.1432	1.5400	16.6463	1.1214	35.196	6.5950	1.1234	17
58.261	71.8787	1.5338	16.3782	1.1175	35.043	6.5320	1.1187	18
58.176	71.7360	1.5323	16.2693	1.1176	35.050	6.5618	1.1207	19
58.159	71.4393	1.5336	16.1309	1.1142	34.978	6.5291	1.1307	20
58.253	71.5191	1.5362	16.2178	1.1107	34.859	6.5806	1.1316	21
58.531	71.7127	1.5429	16.3295	1.1109	35.008	6.6050	1.1394	24
58.477	71.4389	1.5411	16.2881	1.1108	34.973	6.5708	1.1388	25
58.456	71.6399	1.5387	16.2802	1.1113	34.955	6.5500	1.1362	26
58.209	71.6096	1.5393	16.0893	1.1121	35.003	6.5573	1.1370	27
58.335	71.5975	1.5395	16.1218	1.1105	34.897	6.5655	1.1380	28
57.953	71.4725	1.5359	16.0216	1.1141	34.771	6.4272	1.1349	July 1
57.781	71.4958	1.5317	15.9594	1.1169	34.643	6.3891	1.1301	2
57.781	71.8136	1.5318	15.9387	1.1116	34.534	6.3682	1.1293	3
57.683	71.5913	1.5307	15.7869	1.1120	34.603	6.3237	1.1288	4
57.664	71.5048	1.5282	15.8865	1.1126	34.529	6.3135	1.1260	5
57.580	71.5025	1.5247	15.8813	1.1127	34.514	6.4304	1.1215	8
57.529	71.4007	1.5250	15.8712	1.1137	34.551	6.3843	1.1205	9

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

2. Monthly averages +

EUR 1 = CU ...

Period	EU member countries									Other European
	Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden	United Kingdom	Australia
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD
2014 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
July	1.9558	7.4116	26.079	7.4366	306.71	4.2362	4.5689	9.5892	0.88617	1.4772
Aug.	1.9558	7.4054	26.101	7.4379	304.37	4.2666	4.5789	9.5485	0.91121	1.4919
Sep.	1.9558	7.4639	26.075	7.4401	308.37	4.2693	4.5992	9.5334	0.89470	1.4946
Oct.	1.9558	7.5085	25.766	7.4429	309.95	4.2627	4.5895	9.6138	0.89071	1.5099
Nov.	1.9558	7.5512	25.538	7.4420	311.89	4.2268	4.6347	9.8479	0.88795	1.5395
Dec.	1.9558	7.5393	25.645	7.4433	313.16	4.2032	4.6348	9.9370	0.88265	1.5486
2018 Jan.	1.9558	7.4359	25.452	7.4455	309.27	4.1632	4.6491	9.8200	0.88331	1.5340
Feb.	1.9558	7.4399	25.320	7.4457	311.74	4.1653	4.6559	9.9384	0.88396	1.5684
Mar.	1.9558	7.4384	25.429	7.4490	312.19	4.2092	4.6613	10.1608	0.88287	1.5889
Apr.	1.9558	7.4209	25.365	7.4479	311.72	4.1937	4.6578	10.3717	0.87212	1.5972
May	1.9558	7.3912	25.640	7.4482	316.93	4.2850	4.6404	10.3419	0.87726	1.5695
June	1.9558	7.3822	25.778	7.4493	322.70	4.3038	4.6623	10.2788	0.87886	1.5579
July	1.9558	7.3971	25.850	7.4523	324.60	4.3239	4.6504	10.3076	0.88726	1.5792
Aug.	1.9558	7.4261	25.681	7.4558	323.02	4.2858	4.6439	10.4668	0.89687	1.5762
Sep.	1.9558	7.4294	25.614	7.4583	324.82	4.3006	4.6471	10.4426	0.89281	1.6189
Oct.	1.9558	7.4245	25.819	7.4597	323.84	4.3046	4.6658	10.3839	0.88272	1.6158
Nov.	1.9558	7.4281	25.935	7.4611	322.33	4.3018	4.6610	10.2918	0.88118	1.5681
Dec.	1.9558	7.4041	25.835	7.4653	322.74	4.2900	4.6536	10.2766	0.89774	1.5849
2019 Jan.	1.9558	7.4286	25.650	7.4657	319.80	4.2916	4.7062	10.2685	0.88603	1.5975
Feb.	1.9558	7.4151	25.726	7.4627	317.91	4.3175	4.7486	10.4986	0.87264	1.5895
Mar.	1.9558	7.4206	25.676	7.4625	315.92	4.2969	4.7546	10.4999	0.85822	1.5959
Apr.	1.9558	7.4282	25.677	7.4650	321.18	4.2864	4.7584	10.4819	0.86179	1.5802
May	1.9558	7.4189	25.768	7.4675	324.98	4.2958	4.7594	10.7372	0.87176	1.6116
June	1.9558	7.4079	25.605	7.4669	322.56	4.2635	4.7250	10.6263	0.89107	1.6264

* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Resumption of exchange rate fixing on 1 February 2018.

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

and non-European countries												
Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia		
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK 1	Indian rupee INR	Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR		Period
3.0512	1.4951	8.5658	10.6456	–	81.4318	15,830.12	4.7600	139.74	1,407.13	4.4337		2014 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
3.6928	1.4641	7.7965	8.9893	–	74.1945	15,363.84	4.0899	129.48	1,305.21	4.9389		July
3.7201	1.4889	7.8760	9.2348	–	75.5465	15,753.09	4.2504	129.70	1,335.93	5.0579		Aug.
3.7316	1.4639	7.8257	9.3094	–	76.8002	15,852.42	4.2080	131.92	1,348.89	5.0191		Sep.
3.7503	1.4801	7.7890	9.1763	–	76.4977	15,904.42	4.1265	132.76	1,331.01	4.9716		Oct.
3.8246	1.4978	7.7723	9.1617	–	76.1248	15,875.67	4.1283	132.39	1,292.05	4.8902		Nov.
3.8941	1.5108	7.8073	9.2479	–	76.0663	16,048.79	4.1495	133.64	1,283.39	4.8238		Dec.
3.9170	1.5167	7.8398	9.5394	–	77.6558	16,316.81	4.1753	135.25	1,300.93	4.8249		2018 Jan.
4.0109	1.5526	7.8068	9.6585	124.69	79.5615	16,793.74	4.3173	133.29	1,331.47	4.8318		Feb.
4.0426	1.5943	7.7982	9.6726	122.82	80.2526	16,973.10	4.2775	130.86	1,321.99	4.8155		Mar.
4.1815	1.5622	7.7347	9.6350	122.30	80.6548	16,959.01	4.3425	132.16	1,312.94	4.7734		Apr.
4.2912	1.5197	7.5291	9.2712	122.83	79.7891	16,594.39	4.2397	129.57	1,272.38	4.6891		May
4.4049	1.5327	7.5512	9.1642	124.76	79.1601	16,393.39	4.2096	128.53	1,277.93	4.6717		June
4.4765	1.5356	7.8504	9.1708	124.41	80.2996	16,836.55	4.2595	130.23	1,313.03	4.7327		July
4.5357	1.5063	7.9092	9.0655	124.19	80.4260	16,822.69	4.2330	128.20	1,295.39	4.7277		Aug.
4.8013	1.5211	7.9930	9.1375	128.90	84.2109	17,338.45	4.1858	130.54	1,305.86	4.8265		Sep.
4.3246	1.4935	7.9481	9.0011	134.47	84.5447	17,428.73	4.1996	129.62	1,300.10	4.7761		Oct.
4.2973	1.4998	7.8880	8.9000	139.78	81.5611	16,651.71	4.2122	128.79	1,280.89	4.7548		Nov.
4.4214	1.5278	7.8398	8.9026	137.78	80.6166	16,512.15	4.2736	127.88	1,278.13	4.7459		Dec.
4.2700	1.5196	7.7504	8.9527	136.66	80.7983	16,164.77	4.2075	124.34	1,281.46	4.7001		2019 Jan.
4.2234	1.4995	7.6485	8.9082	136.10	80.8601	15,936.22	4.1162	125.28	1,274.32	4.6272		Feb.
4.3369	1.5104	7.5868	8.8718	135.48	78.5605	16,059.50	4.0885	125.67	1,279.67	4.6090		Mar.
4.3740	1.5035	7.5489	8.8164	135.34	78.0027	15,899.18	4.0413	125.44	1,284.41	4.6237		Apr.
4.4797	1.5058	7.6736	8.7779	137.64	78.0798	16,095.47	4.0184	122.95	1,325.20	4.6665		May
4.3600	1.5011	7.7937	8.8383	140.82	78.4078	16,060.27	4.0624	122.08	1,325.28	4.6968		June

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

2. Monthly averages + (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)											
Period	Mexico	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD
2014 May	17.7620	1.5957	8.1513	60.258	47.8403	1.7189	14.2995	1.2204	44.686	2.8736	1.3732
June	17.6516	1.5769	8.2149	59.543	46.7509	1.7008	14.5094	1.2181	44.195	2.8808	1.3592
July	17.5834	1.5578	8.3880	58.844	46.9984	1.6825	14.4366	1.2150	43.470	2.8699	1.3539
Aug.	17.5051	1.5783	8.2522	58.320	48.1781	1.6622	14.2052	1.2118	42.644	2.8784	1.3316
Sep.	17.0717	1.5841	8.1798	57.033	49.0519	1.6295	14.1578	1.2076	41.536	2.8543	1.2901
Oct.	17.0713	1.6090	8.3136	56.807	51.9380	1.6154	14.0266	1.2078	41.139	2.8577	1.2673
Nov.	16.9850	1.5928	8.4912	56.101	57.5193	1.6173	13.8359	1.2027	40.908	2.7885	1.2472
Dec.	17.8692	1.5874	8.9802	55.092	70.3269	1.6213	14.1582	1.2026	40.564	2.8304	1.2331
2015 Jan.	17.0782	1.5213	8.9320	51.791	75.0459	1.5545	13.4598	1.0940	38.056	2.7153	1.1621
Feb.	16.9310	1.5236	8.6188	50.174	73.0742	1.5382	13.1532	1.0618	36.963	2.7958	1.1350
Mar.	16.4941	1.4506	8.6434	48.227	65.1401	1.4913	13.0756	1.0608	35.355	2.8077	1.0838
Apr.	16.4288	1.4217	8.5057	47.863	56.7415	1.4539	12.9588	1.0379	35.072	2.8743	1.0779
May	17.0378	1.5112	8.4103	49.741	56.3735	1.4882	13.3506	1.0391	37.408	2.9491	1.1150
June	17.3467	1.6046	8.7550	50.508	61.2390	1.5091	13.7965	1.0455	37.818	3.0299	1.1213
July	17.5297	1.6542	8.9357	49.814	63.2077	1.4972	13.6973	1.0492	37.760	2.9705	1.0996
Aug.	18.4333	1.7001	9.1815	51.536	73.3597	1.5573	14.3821	1.0777	39.465	3.1826	1.1139
Sep.	18.8821	1.7714	9.3075	52.456	74.8040	1.5879	15.3065	1.0913	40.426	3.3835	1.1221
Oct.	18.6216	1.6794	9.2892	52.070	70.9490	1.5731	15.1579	1.0882	40.092	3.2887	1.1235
Nov.	17.8605	1.6365	9.2572	50.537	69.7899	1.5181	15.1743	1.0833	38.432	3.0849	1.0736
Dec.	18.5500	1.6133	9.4642	51.337	76.3576	1.5321	16.3210	1.0827	39.162	3.1800	1.0877
2016 Jan.	19.6039	1.6654	9.5899	51.654	83.8638	1.5561	17.7592	1.0941	39.249	3.2713	1.0860
Feb.	20.4826	1.6732	9.5628	52.816	85.6158	1.5596	17.4987	1.1018	39.507	3.2638	1.1093
Mar.	19.5943	1.6481	9.4300	51.722	77.9394	1.5247	17.1222	1.0920	39.089	3.2072	1.1100
Apr.	19.8402	1.6458	9.3224	52.598	75.4333	1.5308	16.5695	1.0930	39.780	3.2135	1.1339
May	20.4956	1.6628	9.3036	52.951	74.4745	1.5494	17.3357	1.1059	40.064	3.3230	1.1311
June	20.9430	1.5955	9.3278	52.172	73.1466	1.5205	16.9371	1.0894	39.624	3.2737	1.1229
July	20.5453	1.5514	9.3690	52.102	71.2417	1.4949	15.9449	1.0867	38.794	3.2786	1.1069
Aug.	20.7136	1.5491	9.3030	52.254	72.7952	1.5106	15.4198	1.0881	38.916	3.3206	1.1212
Sep.	21.5034	1.5328	9.1971	53.359	72.2387	1.5240	15.7305	1.0919	38.935	3.3284	1.1212
Oct.	20.8389	1.5409	9.0009	53.304	69.0091	1.5257	15.3593	1.0887	38.666	3.3912	1.1026
Nov.	21.6800	1.5102	9.0807	53.160	69.5321	1.5232	15.0351	1.0758	38.155	3.5500	1.0799
Dec.	21.6189	1.4982	9.0252	52.493	65.3781	1.5137	14.6142	1.0750	37.730	3.6917	1.0543
2017 Jan.	22.6576	1.4923	8.9990	52.800	63.4978	1.5175	14.4012	1.0714	37.645	3.9869	1.0614
Feb.	21.6027	1.4733	8.8603	53.208	62.1520	1.5055	14.0389	1.0660	37.258	3.9011	1.0643
Mar.	20.6333	1.5255	9.0919	53.683	61.9097	1.5013	13.8125	1.0706	37.260	3.9228	1.0685
Apr.	20.1297	1.5389	9.1993	53.441	60.5721	1.4996	14.4384	1.0727	36.967	3.9150	1.0723
May	20.7659	1.5905	9.4001	55.108	63.1641	1.5423	14.6665	1.0904	38.103	3.9463	1.1058
June	20.3786	1.5544	9.4992	56.045	65.1136	1.5541	14.5025	1.0874	38.181	3.9554	1.1229
July	20.5291	1.5658	9.3988	58.306	68.7707	1.5790	15.1351	1.1059	38.834	4.1021	1.1511
Aug.	21.0333	1.6167	9.3201	60.161	70.2902	1.6070	15.6310	1.1398	39.267	4.1436	1.1807
Sep.	21.2431	1.6426	9.3275	60.732	68.6987	1.6084	15.6766	1.1470	39.497	4.1376	1.1915
Oct.	22.1033	1.6695	9.3976	60.471	67.8647	1.5992	16.1145	1.1546	39.069	4.3234	1.1756
Nov.	22.2188	1.7043	9.6082	59.733	69.2093	1.5911	16.5187	1.1640	38.623	4.5714	1.1738
Dec.	22.6384	1.7002	9.8412	59.602	69.4092	1.5938	15.5847	1.1689	38.639	4.5511	1.1836
2018 Jan.	23.0903	1.6800	9.6464	61.733	69.1156	1.6122	14.8910	1.1723	38.913	4.6027	1.2200
Feb.	23.0251	1.6892	9.6712	64.123	70.2041	1.6294	14.6041	1.1542	38.888	4.6710	1.2348
Mar.	22.9932	1.7001	9.5848	64.289	70.5195	1.6222	14.6218	1.1685	38.581	4.7993	1.2336
Apr.	22.5610	1.6942	9.6202	63.901	75.0983	1.6156	14.8756	1.1890	38.451	5.0003	1.2276
May	23.0985	1.6996	9.5642	61.746	73.6504	1.5819	14.8182	1.1780	37.781	5.2501	1.1812
June	23.7134	1.6822	9.4746	62.038	73.2934	1.5737	15.5262	1.1562	37.930	5.4073	1.1678
July	22.2481	1.7220	9.4975	62.394	73.3942	1.5931	15.6599	1.1622	38.894	5.5748	1.1686
Aug.	21.7835	1.7315	9.6161	61.539	76.6684	1.5807	16.2808	1.1413	38.146	6.8488	1.1549
Sep.	22.1891	1.7674	9.6205	62.957	78.8756	1.5986	17.2295	1.1286	38.013	7.3840	1.1659
Oct.	21.9950	1.7586	9.4793	61.950	75.6102	1.5843	16.6548	1.1413	37.652	6.6919	1.1484
Nov.	23.0062	1.6779	9.6272	59.958	75.5508	1.5629	16.0114	1.1377	37.470	6.0896	1.1367
Dec.	22.8889	1.6675	9.8055	60.135	76.6804	1.5595	16.1870	1.1293	37.238	6.0630	1.1384
2019 Jan.	21.8985	1.6850	9.7631	59.882	76.3055	1.5486	15.8170	1.1297	36.318	6.1365	1.1416
Feb.	21.7766	1.6605	9.7444	59.207	74.7184	1.5365	15.6879	1.1368	35.532	5.9888	1.1351
Mar.	21.7363	1.6540	9.7181	59.358	73.6288	1.5306	16.2507	1.1311	35.869	6.1983	1.1302
Apr.	21.3367	1.6720	9.6233	58.470	72.6571	1.5239	15.8959	1.1319	35.800	6.4707	1.1238
May	21.3926	1.7057	9.7794	58.483	72.6164	1.5340	16.1371	1.1304	35.570	6.7694	1.1185
June	21.7827	1.7119	9.7465	58.425	72.4028	1.5390	16.4749	1.1167	35.139	6.5619	1.1293

* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Discontinuation of the minimum exchange rate on 15 January 2015.

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

3. End-of-year rates and annual averages

EUR 1 = CU ...

EU member countries										
Period	Bulgaria Bulgarian lev BGN	Croatia Kuna HRK 1	Cyprus Cyprus pound CYP 2	Czechia Czech koruna CZK	Denmark Danish krone DKK	Estonia Estonian kroon EEK 2	Hungary Hungarian forint HUF	Latvia Latvian lats LVL 2	Lithuania Lithuanian litas LTL 2	
End of year										
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	–	–	
2017	1.9558	7.4400	–	25.535	7.4449	–	310.33	–	–	
2018	1.9558	7.4125	–	25.724	7.4673	–	320.98	–	–	
Annual averages +										
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	–	–	
2017	1.9558	7.4637	–	26.326	7.4386	–	309.19	–	–	
2018	1.9558	7.4182	–	25.647	7.4532	–	318.89	–	–	
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 RON	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										
2005	0.4293	3.8600	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
2017	–	4.1770	4.6585	–	–	9.8438	0.88723	1.5346	3.9729	1.5039
2018	–	4.3014	4.6635	–	–	10.2548	0.89453	1.6220	4.4440	1.5605
Annual averages +										
2005	0.4299	4.0230	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
2017	–	4.2570	4.5688	–	–	9.6351	0.87667	1.4732	3.6054	1.4647
2018	–	4.2615	4.6540	–	–	10.2583	0.88471	1.5797	4.3085	1.5294

* 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 (old Romanian leu) 10,000 =

RON (new Romanian leu) 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 shekel ILS ⁴	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR ¹	Mexican peso MXN ⁵
End of year										
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
2017	7.8044	9.3720	–	76.6055	16,239.12	4.1635	135.01	1,279.61	4.8536	23.6612
2018	7.8751	8.9675	133.20	79.7298	16,500.00	4.2972	125.85	1,277.93	4.7317	22.4921
Annual averages +										
2005	10.1955	9.6768	78.23	54.8117	12,072.83	5.5807	136.85	1,273.61	4.7119	13.5643
2006	10.0096	9.7545	87.76	56.8435	11,512.37	5.5920	146.02	1,198.58	4.6044	13.6936
2007	10.4178	10.6912	87.63	56.4186	12,528.33	5.6278	161.25	1,272.99	4.7076	14.9743
2008	10.2236	11.4541	2	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911
2009	9.5277	10.8114	–	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989
2010	8.9712	10.2994	–	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373
2011	8.9960	10.8362	–	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877
2012	8.1052	9.9663	–	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029
2013	8.1646	10.3016	–	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641
2014	8.1857	10.3025	–	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550
2015	6.9733	8.6014	–	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157
2016	7.3522	8.5922	–	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673
2017	7.6290	8.8045	–	73.5324	15,118.01	4.0622	126.71	1,276.74	4.8527	21.3286
2018	7.8081	9.2559	2	80.7332	16,803.22	4.2423	130.40	1,299.07	4.7634	22.7054

Other European and non-European countries (cont'd)										
	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
Period	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP ¹	Russian rouble RUB ¹	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB ¹	Turkish lira ⁶ TRY	US dollar USD
End of year										
2005	1.7270	7.9850	62.719	33.9200	1.9628	7.4642	1.5551	48.437	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
2017	1.6850	9.8403	59.795	69.3920	1.6024	14.8054	1.1702	39.121	4.5464	1.1993
2018	1.7056	9.9483	60.113	79.7153	1.5591	16.4594	1.1269	37.052	6.0588	1.1450
Annual averages +										
2005	1.7660	8.0092	68.494	35.1884	2.0702	7.9183	1.5483	50.068	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
2017	1.5897	9.3270	56.973	65.9383	1.5588	15.0490	1.1117	38.296	4.1206	1.1297
2018	1.7065	9.5975	62.210	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	1.1810

* 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 did not fix euro foreign exchange reference

rates for the Icelandic krona from 4 December 2008 to 31 January 2018. 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 Up to end-2008, New Turkish lira.

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

4. Exchange rates of major currencies



¹ Last monthly average: June 2019. ² Last updated: 9 July 2019.

III. Effective exchange rates of the euro *

1. Annual and monthly averages

Q1 1999 = 100

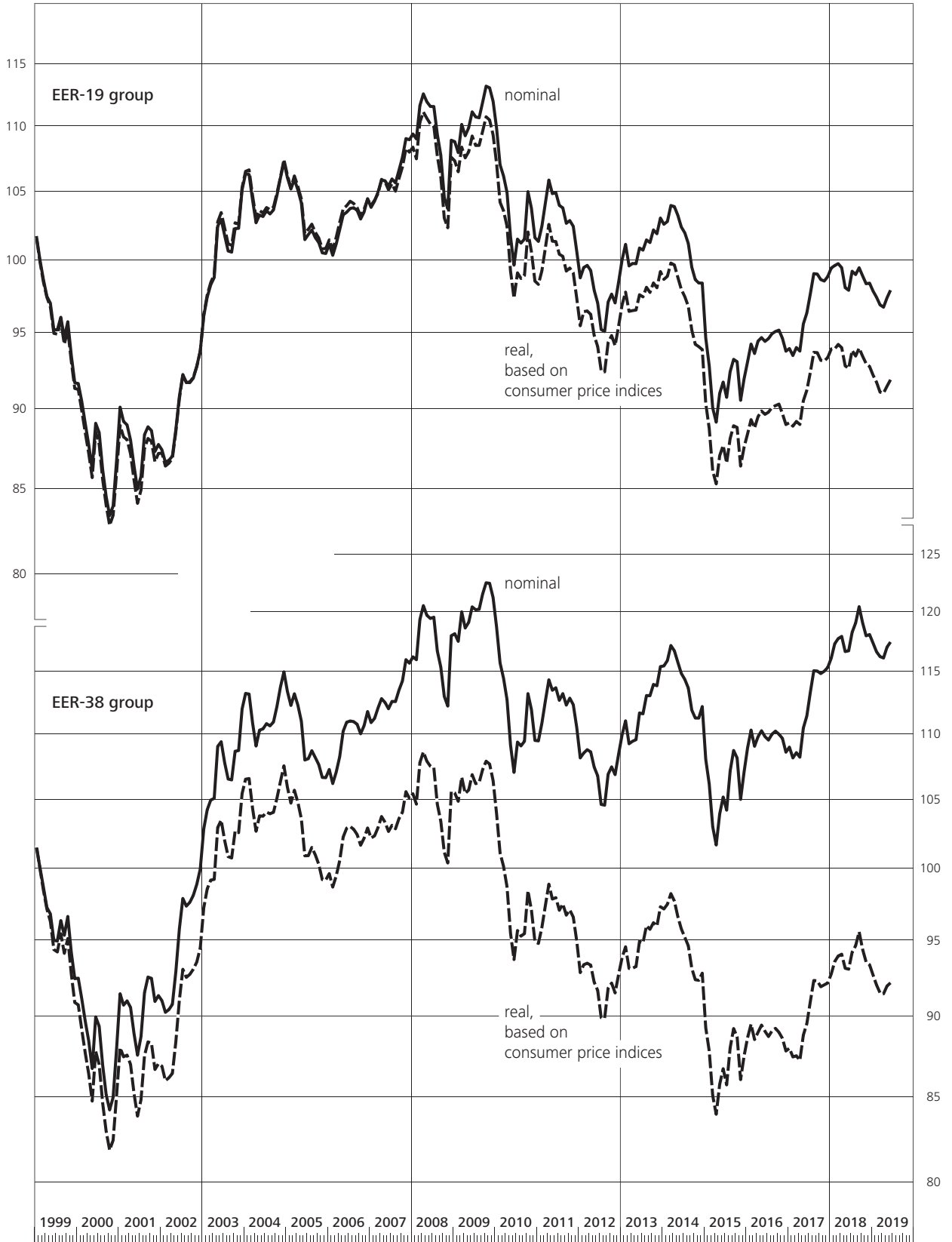
Period	Effective exchange rate of the euro vis-à-vis the currencies of the group ¹				Memo item: Indicators of the German economy's price competitiveness based on consumer price indices vis-à-vis					
	EER-19		EER-38 ²		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based on consumer price indices	Nominal	Real, based on consumer price indices	Total	of which:				
						euro area countries	non-euro area countries			
2000	87.2	86.7	88.0	85.8	93.0	99.0	85.9	92.1	91.0	
2001	87.8	87.0	90.6	86.8	93.1	98.2	86.9	91.5	90.9	
2002	90.1	90.0	95.2	90.4	93.6	96.9	89.6	92.0	91.7	
2003	100.7	101.1	107.1	101.2	97.0	95.8	99.2	96.6	96.7	
2004	104.6	104.8	111.7	104.9	98.4	95.5	102.9	98.0	98.3	
2005	102.9	103.3	109.6	102.3	98.4	95.3	103.3	96.9	96.6	
2006	102.8	103.1	109.6	101.5	98.6	95.0	104.2	96.5	95.8	
2007	106.1	105.8	113.0	103.4	100.9	95.3	109.8	97.9	97.1	
2008	109.3	107.9	117.1	105.4	102.2	94.7	114.9	97.8	97.1	
2009	110.7	108.7	120.2	106.4	101.8	94.6	113.9	98.0	97.5	
2010	103.6	101.0	111.6	97.4	98.7	94.2	106.0	93.6	92.0	
2011	103.3	99.9	112.3	96.9	98.2	93.8	105.0	92.8	91.3	
2012	97.7	94.7	107.2	92.1	95.9	93.3	99.8	89.8	88.3	
2013	101.0	97.5	111.8	94.9	98.2	93.4	105.8	91.5	90.2	
2014	101.4	97.1	114.1	95.3	98.3	93.7	105.4	91.7	90.8	
2015	91.7	87.6	105.7	87.0	94.7	94.2	95.2	87.0	86.3	
2016	94.4	89.5	109.7	p 88.9	95.3	94.2	96.8	88.0	p 87.5	
2017	96.6	91.4	112.0	p 90.0	96.6	94.3	100.0	89.1	p 88.3	
2018	98.9	93.4	117.9	p 93.8	97.9	94.4	103.3	90.3	p 90.4	
2015 Sep.	93.2	88.9	108.7	89.2	95.1	94.1	96.3	87.6	87.6	
Oct.	93.0	88.8	108.1	88.7	95.1	94.1	96.2	87.6	87.3	
Nov.	90.5	86.4	105.0	86.0	94.1	94.2	93.6	86.4	85.8	
Dec.	91.9	87.5	107.1	87.5	94.3	93.9	94.5	86.8	86.5	
2016 Jan.	93.0	88.4	108.9	p 88.6	94.7	94.2	95.2	87.4	p 87.3	
Feb.	94.2	89.3	110.3	p 89.5	95.1	94.1	96.5	87.8	p 87.8	
Mar.	93.6	88.7	109.0	p 88.5	95.1	94.1	96.3	87.6	p 87.3	
Apr.	94.4	89.5	109.8	p 89.0	95.5	94.3	97.2	88.1	p 87.7	
May	94.6	89.8	110.2	p 89.4	95.3	94.1	96.8	88.2	p 87.9	
June	94.4	89.6	109.8	p 89.0	95.1	94.1	96.2	88.1	p 87.6	
July	94.6	89.8	109.5	p 88.7	95.3	94.1	96.9	88.1	p 87.4	
Aug.	94.9	90.0	110.0	p 89.1	95.6	94.1	97.6	88.2	p 87.6	
Sep.	95.1	90.2	110.2	p 89.2	95.6	94.1	97.7	88.3	p 87.7	
Oct.	95.1	90.3	110.0	p 89.0	95.9	94.2	98.3	88.4	p 87.6	
Nov.	94.6	89.7	109.6	p 88.6	95.5	94.3	97.1	88.1	p 87.4	
Dec.	93.7	89.0	108.6	p 87.8	95.3	94.5	96.2	87.9	p 87.1	
2017 Jan.	93.9	89.1	109.0	p 88.0	95.2	94.2	96.4	87.7	p 87.0	
Feb.	93.4	88.9	108.1	p 87.4	95.1	94.3	96.1	87.7	p 86.7	
Mar.	94.0	89.2	108.5	p 87.5	95.3	94.2	96.6	87.7	p 86.7	
Apr.	93.7	89.0	108.2	p 87.2	95.1	94.2	96.2	87.6	p 86.5	
May	95.6	90.5	110.5	p 88.8	96.0	94.3	98.4	88.6	p 87.6	
June	96.3	91.2	111.4	p 89.5	96.4	94.3	99.5	88.9	p 88.0	
July	97.6	92.3	113.3	p 90.9	97.1	94.4	101.1	89.7	p 89.0	
Aug.	99.0	93.7	115.0	p 92.3	97.9	94.4	103.1	90.4	p 89.8	
Sep.	99.0	93.6	115.0	p 92.3	97.9	94.5	103.2	90.5	p 89.9	
Oct.	98.6	93.1	114.8	p 91.9	97.5	94.2	102.6	89.9	p 89.4	
Nov.	98.5	93.1	115.0	p 92.0	97.9	94.5	103.2	90.2	p 89.7	
Dec.	98.8	93.3	115.3	p 92.1	98.1	94.5	103.6	90.3	p 89.8	
2018 Jan.	99.4	93.9	116.1	p 92.7	98.3	94.3	104.5	90.4	p 89.9	
Feb.	99.6	93.9	117.3	p 93.6	98.4	94.3	104.6	90.4	p 90.1	
Mar.	99.7	94.2	117.7	p 93.9	98.4	94.3	104.8	90.6	p 90.3	
Apr.	99.5	94.0	117.9	p 94.0	98.6	94.4	105.1	90.6	p 90.5	
May	98.1	92.8	116.6	p 93.1	98.0	94.4	103.5	90.0	p 89.9	
June	97.9	92.6	116.7	p 93.1	97.8	94.5	102.8	89.9	p 90.0	
July	99.2	93.8	118.2	p 94.2	97.7	94.3	103.0	90.4	p 90.5	
Aug.	99.0	93.4	119.0	p 94.6	97.6	94.3	102.5	90.3	p 90.7	
Sep.	99.5	93.9	120.4	p 95.6	98.0	94.6	103.2	90.8	p 91.5	
Oct.	98.9	93.4	119.0	p 94.4	97.6	94.4	102.3	90.3	p 90.7	
Nov.	98.3	92.9	117.9	p 93.5	97.6	94.7	102.0	90.3	p 90.5	
Dec.	98.4	92.7	118.0	p 93.3	97.4	94.5	101.9	90.0	p 90.2	
2019 Jan.	97.8	92.1	117.3	p 92.7	97.0	94.2	101.2	89.5	p 89.7	
Feb.	97.4	91.7	116.6	p 92.0	96.9	94.2	101.0	89.3	p 89.4	
Mar.	96.9	91.0	116.2	p 91.5	96.5	94.1	100.2	88.8	p 88.9	
Apr.	96.7	p 91.0	116.1	p 91.4	96.8	94.4	100.4	p 89.0	p 89.1	
May	97.4	p 91.4	117.0	p 91.9	97.0	94.6	100.6	p 89.4	p 89.6	
June	97.9	p 91.8	117.4	p 92.2	p 97.0	p 94.4	p 100.9	p 89.5	p 89.6	

* See Explanatory notes, p. 51. ¹ Source: ECB. ² Due to the redenomination of the Venezuelan bolívar on 20 August 2018, the spot rate from 17 August 2018 is used since then.

III. Effective exchange rates of the euro*

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

Q1 1999 = 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 2018	Rate at end of month			
					April 2019	May 2019	June 2019	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 72.3703	AFN 77.4903	AFN 79.3153	AFN 80.6782	
		S	USD 1 =	AFN 72.4703	AFN 77.5903	AFN 79.4153	AFN 80.7782	
	AFN	B	EUR 1 =	AFN 85.1413	AFN 86.5632	AFN 88.2571	AFN 91.5029	
		S	EUR 1 =	AFN 85.4013	AFN 86.8232	AFN 88.5171	AFN 91.7629	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 107.90	ALL 110.09	ALL 109.97	ALL 107.69
M			EUR 1 =	ALL 127.49	ALL 123.38	ALL 122.63	ALL 122.65	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 116.6712	DZD 119.3788	DZD 119.6793	DZD 118.6884	
		S	USD 1 =	DZD 116.6862	DZD 119.3938	DZD 119.6943	DZD 118.7034	
	DZD	B	EUR 1 =	DZD 137.5913	DZD 134.0385	DZD 133.5262	DZD 134.8538	
		S	EUR 1 =	DZD 137.6362	DZD 134.0792	DZD 133.5669	DZD 134.9064	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 258.279	AOA 321.472	AOA 328.793	AOA 338.562	
		S	USD 1 =	AOA 259.059	AOA 324.719	AOA 332.114	AOA 341.982	
	AOA	B	EUR 1 =	AOA 303.343	AOA 360.370	AOA 366.637	AOA 385.453	
		S	EUR 1 =	AOA 304.296	AOA 363.945	AOA 370.207	AOA 389.312	
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 3.1748	XCD 3.0156	XCD 2.9976	XCD 3.0592	
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0478	XCD 3.0296	XCD 3.0918	
Argentina								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 27.9603	ARS 43.9500	ARS 44.5600	ARS 42.2630	
		S	USD 1 =	ARS 28.0933	ARS 44.1500	ARS 44.7600	ARS 42.4630	
	ARS	B	EUR 1 =	ARS 32.7610	ARS 49.2592	ARS 49.7067	ARS 47.9896	
		S	EUR 1 =	ARS 32.9871	ARS 49.5937	ARS 50.0417	ARS 48.3229	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 483.02	AMD 480.48	AMD 480.10	AMD 477.11	
		M	EUR 1 =	AMD 570.42	AMD 538.67	AMD 535.41	AMD 543.19	
Aruba								
Oranjestad 474	Aruban florin = 100 cents	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 210.14	AWG 199.73	AWG 198.52	AWG 202.64	
		S	EUR 100 =	AWG 212.25	AWG 201.73	AWG 200.52	AWG 204.68	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7479	USD 0.7039	USD 0.6916	USD 0.7013
		M	AUD 1 =	EUR 0.6313	EUR 0.6297	EUR 0.6214	EUR 0.6171
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Azerbaijan							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.7000	AZN 1.7000	AZN 1.7000	AZN 1.7000
		M	EUR 1 =	AZN 2.0097	AZN 1.9020	AZN 1.8918	AZN 1.9318
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 1.17510	BSD 1.11619	BSD 1.10952	BSD 1.13231
		V, S	EUR 1 =	BSD 1.19576	BSD 1.13582	BSD 1.12904	BSD 1.15223
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 0.37785	BHD 0.37785	BHD 0.37785
		B	EUR 1 =	BHD 0.4312038	BHD 0.4099899	BHD 0.4073030	BHD 0.4157905
S	EUR 1 =	BHD 0.4578762	BHD 0.4353501	BHD 0.4324970	BHD 0.4415095		
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 83.5083	BDT 84.4500	BDT 84.5000	BDT 84.5000
		S	USD 1 =	BDT 83.5125	BDT 84.4500	BDT 84.5000	BDT 84.5000
		B	EUR 1 =	BDT 98.2612	BDT 94.5333	BDT 94.3612	BDT 96.0596
S	EUR 1 =	BDT 98.2898	BDT 94.5671	BDT 94.3950	BDT 96.0934		
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 2.34733	BBD 2.23387	BBD 2.21754	BBD 2.26384
S	EUR 1 =	BBD 2.39134	BBD 2.27575	BBD 2.25912	BBD 2.30628		
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.0439	BYN 2.1089	BYN 2.0953	BYN 2.0433
		M	EUR 1 =	BYN 2.4113	BYN 2.3528	BYN 2.3330	BYN 2.3251

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
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 2.3365	BZD 2.2242	BZD 2.2119	BZD 2.2561	
	S	EUR 1 =	BZD 2.3777	BZD 2.2634	BZD 2.2509	BZD 2.2959	
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 584.736	XOF 588.249	XOF 576.412
		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 1.1763	BMD 1.1173	BMD 1.1106	BMD 1.1334	
	V, S	EUR 1 =	BMD 1.1861	BMD 1.1266	BMD 1.1199	BMD 1.1429	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 67.47	BTN 68.75	BTN 68.90	BTN 68.10
		S	USD 1 =	BTN 69.63	BTN 70.95	BTN 71.00	BTN 70.20
	B	EUR 1 =	BTN 79.54	BTN 76.70	BTN 76.70	BTN 77.35	
	S	EUR 1 =	BTN 81.75	BTN 78.85	BTN 78.80	BTN 79.55	
Bolivia, Plurinational State of							
Sucre Seat of government: La Paz 516	Boliviano = 100 centavos	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 8.0997	BOB 7.6955	BOB 7.6496	BOB 7.8067	
	V, S	EUR 1 =	BOB 8.2178	BOB 7.8077	BOB 7.7611	BOB 7.9205	
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.655251	BAM 1.749723	BAM 1.752236	BAM 1.714359
		S	USD 1 =	BAM 1.663548	BAM 1.758493	BAM 1.761020	BAM 1.722953
	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 0.0982	USD 0.0936	USD 0.0922	USD 0.0943
		S	BWP 1 =	USD 0.0980	USD 0.0934	USD 0.0920	USD 0.0941
	B	BWP 1 =	EUR 0.0833	EUR 0.0834	EUR 0.0826	EUR 0.0828	
	S	BWP 1 =	EUR 0.0831	EUR 0.0832	EUR 0.0824	EUR 0.0826	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.6555	BRL 3.9447	BRL 3.9401	BRL 3.8316
		S	USD 1 =	BRL 3.6561	BRL 3.9453	BRL 3.9407	BRL 3.8322
	B	EUR 1 =	BRL 4.3257	BRL 4.4177	BRL 4.3924	BRL 4.3577	
	BRL	S	EUR 1 =	BRL 4.3276	BRL 4.4199	BRL 4.3939	BRL 4.3587
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3412	BND 1.3520	BND 1.3712	BND 1.3438
		S	USD 1 =	BND 1.3596	BND 1.3702	BND 1.3894	BND 1.3621
	B	EUR 1 =	BND 1.5653	BND 1.4973	BND 1.5123	BND 1.5137	
	BND	S	EUR 1 =	BND 1.6201	BND 1.5519	BND 1.5672	BND 1.5682
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas	M	USD 1 =	BGN 1.65820	BGN 1.74347	BGN 1.75395	BGN 1.71866
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
	BGN						
Burkina Faso ¹							
Ouagadougou 236	CFA franc	V	USD 1 =	XOF 555.425	XOF 584.736	XOF 588.249	XOF 576.412
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
	XOF						
Burundi							
Gitega 328	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,766.7631	BIF 1,815.6501	BIF 1,821.2436	BIF 1,826.6886
		S	USD 1 =	BIF 1,802.4553	BIF 1,852.3299	BIF 1,858.0364	BIF 1,863.5914
	B	EUR 1 =	BIF 2,084.1976	BIF 2,029.7152	BIF 2,026.5888	BIF 2,076.9450	
	BIF	S	EUR 1 =	BIF 2,126.3026	BIF 2,070.7196	BIF 2,067.5300	BIF 2,118.9034
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 93.368	CVE 98.942	CVE 98.933	CVE 96.878
		S	USD 1 =	CVE 93.570	CVE 99.144	CVE 99.135	CVE 97.080
	2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265	
	CVE						
Cambodia							
Phnom Penh 696	Riel = 100 sen	M	USD 1 =	KHR 4,044	KHR 4,050	KHR 4,062	KHR 4,066
		B	EUR 1 =	KHR 4,766	KHR 4,515	KHR 4,523	KHR 4,624
	S	EUR 1 =	KHR 4,814	KHR 4,560	KHR 4,568	KHR 4,671	
	KHR						
Cameroon ¹							
Yaoundé 302	CFA franc	V	USD 1 =	XAF 555.425	XAF 584.736	XAF 588.249	XAF 576.412
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
	XAF						
Canada							
Ottawa 404	Canadian dollar = 100 cents	M	USD 1 =	CAD 1.2957	CAD 1.3423	CAD 1.3527	CAD 1.3087
		M	EUR 1 =	CAD 1.5313	CAD 1.5055	CAD 1.5098	CAD 1.4887
	CAD						

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
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 0.9842	KYD 0.9348	KYD 0.9293	KYD 0.9483
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 584.736	XAF 588.249	XAF 576.412
		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 555.425	XAF 584.736	XAF 588.249	XAF 576.412
		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 641.12	CLP 677.67	CLP 707.86	CLP 679.86
		M	EUR 1 =	CLP 756.15	CLP 757.77	CLP 788.18	CLP 772.92
China							
Beijing 720	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.6185	CNY 6.7286	CNY 6.8992	CNY 6.8747
		M	EUR 1 =	CNY 7.8113	CNY 7.5256	CNY 7.6833	CNY 7.8170
		M	HKD 1 =	CNY 0.84482	CNY 0.85784	CNY 0.87913	CNY 0.87966
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.110	TWD 30.845	TWD 31.550	TWD 31.010
		S	USD 1 =	TWD 30.210	TWD 30.945	TWD 31.650	TWD 31.110
		B	EUR 1 =	TWD 35.42	TWD 34.37	TWD 35.02	TWD 35.18
S	EUR 1 =	TWD 35.82	TWD 34.77	TWD 35.42	TWD 35.58		
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 2,958.634	COP 3,247.72	COP 3,357.82	COP 3,197.23
		V, M	EUR 1 =	COP 3,488.850	COP 3,643.292	COP 3,744.305	COP 3,638.448
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 416.56880	KMF 438.55210	KMF 441.18711	KMF 432.30909
		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 555.425	XAF 584.736	XAF 588.249	XAF 576.412
		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 See Explanatory notes on individual countries, pp. 57 ff.

² Value against the US dollar. ³ Value against the euro. ⁴ Currency amounts are denoted using the designation yuan (renminbi).

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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,591.7807	CDF 1,605.8242	CDF 1,609.8066	CDF 1,612.0476
		S	USD 1 =	CDF 1,656.7522	CDF 1,671.3680	CDF 1,675.5130	CDF 1,677.8455
	CDF	B	EUR 1 =	CDF 1,876.6535	CDF 1,790.7483	CDF 1,801.4987	CDF 1,821.8830
		S	EUR 1 =	CDF 1,953.2516	CDF 1,863.8401	CDF 1,875.0293	CDF 1,896.2456
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.5993	EUR 0.6107	EUR 0.5993	EUR 0.6044
		S	NZD 1 =	EUR 0.5735	EUR 0.5841	EUR 0.5730	EUR 0.5781
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 575.06	CRC 592.98	CRC 584.11	CRC 576.72
		S	USD 1 =	CRC 581.56	CRC 599.09	CRC 590.54	CRC 583.64
	CRC	V, B	EUR 1 =	CRC 677.7717	CRC 665.2050	CRC 651.3411	CRC 656.3074
		V, S	EUR 1 =	CRC 685.4209	CRC 672.0592	CRC 658.5112	CRC 664.1823
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 584.736	XOF 588.249	XOF 576.412
		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 6.260285	HRK 6.621746	HRK 6.638573	HRK 6.478436
		S	USD 1 =	HRK 6.297960	HRK 6.661596	HRK 6.678525	HRK 6.517424
	HRK	B	EUR 1 =	HRK 7.391647	HRK 7.389869	HRK 7.396698	HRK 7.368574
		S	EUR 1 =	HRK 7.436130	HRK 7.434341	HRK 7.441212	HRK 7.412918
Cuba ¹							
Havana 448	Convertible peso/ Cuban peso = 100 centavos	⁴ B	CUC 1 =	USD 1.01464	USD 1.01009	USD 1.01009	USD 1.01009
		⁴ S	CUC 1 =	USD 0.98589	USD 0.99010	USD 0.99010	USD 0.99010
	CUC/CUP	B	EUR 1 =	CUC 1.16158	CUC 1.10677	CUC 1.10231	CUC 1.12528
		S	EUR 1 =	CUC 1.19594	CUC 1.12913	CUC 1.12459	CUC 1.14802
Curaçao							
Willemstad 477	Netherlands Antillean guilder = 100 cents	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 210.14	ANG 199.73	ANG 198.53	ANG 202.65
		S	EUR 100 =	ANG 214.38	ANG 203.75	ANG 202.53	ANG 206.73
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 21.735	CZK 22.864	CZK 23.153	CZK 22.363
		M	EUR 1 =	CZK 25.677	CZK 25.660	CZK 25.817	CZK 25.445

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 631.74	DKK 665.41	DKK 669.48	DKK 655.85
		M	EUR 100 =	DKK 745.32	DKK 746.46	DKK 746.87	DKK 746.36
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 206.95	DJF 196.28	DJF 195.41	DJF 198.54
		S	EUR 1 =	DJF 215.40	DJF 203.95	DJF 203.03	DJF 208.35
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	EUR 1 =	XCD 3.1748	XCD 3.0156	XCD 2.9976	XCD 3.0592
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0478	XCD 3.0296	XCD 3.0918
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 49.1931	DOP 50.1638	DOP 50.2180	DOP 50.4456
		S	USD 1 =	DOP 49.6149	DOP 50.5603	DOP 50.6320	DOP 50.8970
		B	EUR 1 =	DOP 57.5023	DOP 55.8244	DOP 55.6056	DOP 56.5227
		S	EUR 1 =	DOP 60.8134	DOP 59.0075	DOP 58.7951	DOP 59.8023
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 17.7158	EGP 17.12	EGP 16.75	EGP 16.65
		S	USD 1 =	EGP 17.8158	EGP 17.22	EGP 16.85	EGP 16.75
		B	EUR 1 =	EGP 20.8527	EGP 19.1333	EGP 18.6361	EGP 18.8961
		S	EUR 1 =	EGP 21.1017	EGP 19.3381	EGP 18.8366	EGP 19.0632
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 10.3338	SVC 9.8158	SVC 9.7571	SVC 9.9575
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 584.736	XAF 588.249	XAF 576.412
		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 15.15	ERN 15.15	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 17.7168	ERN 16.7295	ERN 16.7055	ERN 17.0685
		S	EUR 1 =	ERN 18.3530	ERN 17.3657	ERN 17.3417	ERN 17.7047
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month			
					April 2019	May 2019	June 2019	
Ethiopia								
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 27.4629	ETB 28.6293	ETB 28.7739	ETB 28.9109	
		S	USD 1 =	ETB 28.0122	ETB 29.2019	ETB 29.3494	ETB 29.4891	
	ETB	B	EUR 1 =	ETB 32.4260	ETB 31.9245	ETB 32.0397	ETB 32.8746	
		S	EUR 1 =	ETB 33.0757	ETB 32.5630	ETB 32.6805	ETB 33.5321	
	Eswatini ¹							
	Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 13.2210	SZL 14.3716	SZL 14.7714	SZL 14.1412
S			USD 1 =	SZL 13.2380	SZL 14.3768	SZL 14.7775	SZL 14.1467	
SZL		B	EUR 1 =	SZL 15.56690	SZL 16.0764	SZL 16.4443	SZL 16.0918	
		S	EUR 1 =	SZL 15.59092	SZL 16.0844	SZL 16.4525	SZL 16.0987	
Falkland Islands (Islas Malvinas)								
Stanley 529		Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.74912	FKP 0.76884	FKP 0.79538	FKP 0.78783
	V		EUR 1 =	FKP 0.88471	FKP 0.86248	FKP 0.88693	FKP 0.89655	
Fiji								
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4869	USD 0.4740	USD 0.4692	USD 0.4750	
		S	FJD 1 =	USD 0.4699	USD 0.4570	USD 0.4522	USD 0.4580	
	FJD	B	FJD 1 =	EUR 0.4112	EUR 0.4217	EUR 0.4194	EUR 0.4159	
		S	FJD 1 =	EUR 0.3992	EUR 0.4097	EUR 0.4074	EUR 0.4039	
	Finland							
	Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
France								
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380	
Gabon ¹								
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 584.736	XAF 588.249	XAF 576.412	
		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 48.15	GMD 49.51	GMD 49.64	GMD 49.71	
		M	EUR 1 =	GMD 57.13	GMD 56.12	GMD 55.79	GMD 56.23	
Georgia								
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.5403	GEL 2.7007	GEL 2.8023	GEL 2.8791	
		M	EUR 1 =	GEL 2.9973	GEL 3.0067	GEL 3.1209	GEL 3.2758	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Parity in relation to 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 4.5987	GHS 5.0856	GHS 5.1985	GHS 5.2564
		S	USD 1 =	GHS 4.6033	GHS 5.0906	GHS 5.2037	GHS 5.2616
	B	EUR 1 =	GHS 5.4149	GHS 5.6977	GHS 5.7955	GHS 5.9808	
	S	EUR 1 =	GHS 5.4191	GHS 5.7026	GHS 5.7992	GHS 5.9855	
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V	USD 1 =	GIP 0.74912	GIP 0.76884	GIP 0.79538	GIP 0.78783
		V	EUR 1 =	GIP 0.88471	GIP 0.86248	GIP 0.88693	GIP 0.89655
Greece ¹							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
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
	V, B	EUR 1 =	XCD 3.1748	XCD 3.0156	XCD 2.9976	XCD 3.0592	
	V, S	EUR 1 =	XCD 3.2087	XCD 3.0478	XCD 3.0296	XCD 3.0918	
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.53678	GTQ 7.65219	GTQ 7.72270	GTQ 7.70823
		V, M	EUR 1 =	GTQ 8.88361	GTQ 8.58423	GTQ 8.61158	GTQ 8.77197
Guinea							
Conakry 260	Guinean franc GNF	M	USD 1 =	GNF 8,904.1667	GNF 9,126.6628	GNF 9,131.5298	GNF 9,154.0000
		M	EUR 1 =	GNF 10,490.7890	GNF 10,176.2241	GNF 10,215.4433	GNF 10,408.1014
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 584.736	XOF 588.249	XOF 576.412
		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 207.48	GYD 207.98	GYD 207.98	GYD 207.98
		S	USD 1 =	GYD 209.95	GYD 210.45	GYD 210.45	GYD 210.45
	B	EUR 1 =	GYD 244.59	GYD 233.12	GYD 231.69	GYD 236.47	
	S	EUR 1 =	GYD 247.72	GYD 236.11	GYD 234.66	GYD 239.50	

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

² Parity in relation to 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 68.5596	HTG 86.0961	HTG 92.5356	HTG 93.0256
		V, M	EUR 1 =	HTG 80.7298	HTG 96.5826	HTG 103.1864	HTG 105.8631
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 23.9317	HNL 24.4379	HNL 24.4877	HNL 24.5076
		S	USD 1 =	HNL 24.0992	HNL 24.6090	HNL 24.6591	HNL 24.6792
		V, B	EUR 1 =	HNL 28.2144	HNL 27.4144	HNL 27.3062	HNL 27.8896
		V, S	EUR 1 =	HNL 28.4119	HNL 27.6064	HNL 27.4974	HNL 28.0849
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.81855	HKD 7.82520	HKD 7.82330	HKD 7.78760
		S	USD 1 =	HKD 7.85902	HKD 7.86580	HKD 7.86400	HKD 7.82830
		B	EUR 1 =	HKD 9.21168	HKD 8.73334	HKD 8.70304	HKD 8.84434
		S	EUR 1 =	HKD 9.28494	HKD 8.81956	HKD 8.78926	HKD 8.93076
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 270.25	HUF 288.12	HUF 291.46	HUF 284.08
		M	EUR 1 =	HUF 319.90	HUF 322.87	HUF 324.92	HUF 323.54
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 107.965	ISK 121.22	ISK 123.76	ISK 124.16
		S	USD 1 =	ISK 108.479	ISK 121.80	ISK 124.36	ISK 124.76
		B	EUR 1 =	ISK 127.37	ISK 135.82	ISK 137.91	ISK 141.30
		S	EUR 1 =	ISK 128.30	ISK 136.58	ISK 138.69	ISK 142.10
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 68.3696	INR 69.8368	INR 69.8058	INR 68.9180
		M	EUR 1 =	INR 80.7937	INR 78.0771	INR 77.7288	INR 78.3579
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,176.33	IDR 14,144.00	IDR 14,313.00	IDR 14,070.00
		S	USD 1 =	IDR 14,319.00	IDR 14,286.00	IDR 14,457.00	IDR 14,212.00
		B	EUR 1 =	IDR 16,723.60	IDR 15,825.72	IDR 15,936.09	IDR 15,991.96
		S	EUR 1 =	IDR 16,895.44	IDR 15,986.03	IDR 16,097.87	IDR 16,159.04
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	² M	USD 1 =	IRR 41,069 ⁴	IRR 42,000	IRR 42,000	IRR 42,000
		² M	EUR 1 =	IRR 48,406 ⁴	IRR 46,996	IRR 46,781	IRR 47,754
		³ M	USD 1 =	IRR .	IRR 143,500	IRR 138,000	IRR 129,500
		³ M	EUR 1 =	IRR .	IRR 160,450	IRR 154,150	IRR 147,500

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

² Central bank rate. ³ Bureau de change rate. ⁴ Due to several changes in the exchange rate regime only of limited informative value.

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 2018	Rate at end of month			
					April 2019	May 2019	June 2019	
Iraq ¹								
Baghdad 612	Iraqi dinar = 1,000 fils IQD	2	B	USD 1 =	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00
			S	USD 1 =	IQD 1,188.00	IQD 1,190.00	IQD 1,190.00	IQD 1,190.00
		B	S	EUR 1 =	IQD 1,397.087	IQD 1,325.968	IQD 1,316.039	IQD 1,345.116
			S	EUR 1 =	IQD 1,400.610	IQD 1,334.942	IQD 1,324.946	IQD 1,354.220
		3	S	USD 1 =	IQD 1,204.65	IQD 1,194.310	IQD 1,192.461	IQD 1,193.615
V, S	EUR 1 =	IQD 1,420.96	IQD 1,339.78	IQD 1,329.71	IQD 1,358.33			
Ireland								
Dublin 007	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Israel								
Jerusalem 624	New shekel = 100 agorot ILS		M	USD 1 =	ILS 3.5970	ILS 3.6080	ILS 3.6340	ILS 3.5660
			M	EUR 1 =	ILS 4.2524	ILS 4.0438	ILS 4.0489	ILS 4.0616
Italy								
Rome 005	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Jamaica								
Kingston 464	Jamaican dollar = 100 cents JMD	B	S	USD 1 =	JMD 128.0409	JMD 132.4939	JMD 132.0872	JMD 129.9708
			S	USD 1 =	JMD 129.6176	JMD 134.5289	JMD 133.5062	JMD 131.1039
		B	S	EUR 1 =	JMD 146.23049	JMD 140.1994	JMD 141.5641	JMD 141.0232
			S	EUR 1 =	JMD 154.30423	JMD 149.9036	JMD 152.1451	JMD 150.5247
Japan								
Tokyo 732	Japanese yen = 100 sen JPY	B	S	USD 1 =	JPY 109.44	JPY 110.85	JPY 108.36	JPY 106.79
			S	USD 1 =	JPY 111.44	JPY 112.85	JPY 110.36	JPY 108.79
		B	S	EUR 1 =	JPY 128.51	JPY 122.88	JPY 120.24	JPY 120.99
			S	EUR 1 =	JPY 131.51	JPY 125.88	JPY 123.24	JPY 123.99
Jordan								
Amman 628	Jordanian dinar = 1,000 fils JOD	2	B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
			S	USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
		B	S	EUR 1 =	JOD 0.83297	JOD 0.79126	JOD 0.78765	JOD 0.80365
			S	EUR 1 =	JOD 0.83920	JOD 0.79662	JOD 0.79122	JOD 0.80890
Kazakhstan ⁴								
Nur-Sultan 079	Tenge = 100 tiyn KZT		M	USD 1 =	KZT 346.62	KZT 381.94	KZT 381.37	KZT 380.53
			M	EUR 1 =	KZT 408.59	KZT 426.28	KZT 424.96	KZT 433.08

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. **1** See Explanatory notes on individual countries, pp. 57 ff. **2** Official rate; value against the US dollar. **3** Market rate; since June 2019 only

selling rates are available. **4** On March 23, 2019, the capital of Kazakhstan was re-named from Astana to Nur-Sultan.

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 2018	Rate at end of month			
					April 2019	May 2019	June 2019	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 101.2370	KES 101.2789	KES 101.2556	KES 102.1983	
		S	USD 1 =	KES 101.4372	KES 101.4817	KES 101.4556	KES 102.3983	
	KES	B	EUR 1 =	KES 119.3664	KES 112.9822	KES 112.6783	KES 116.1806	
		S	EUR 1 =	KES 119.6328	KES 113.2311	KES 112.9322	KES 116.4306	
	Korea, Democratic People's Republic of ²							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 105.14	KPW 107.87	KPW 107.72	KPW 106.60
S			USD 1 =	KPW 106.02	KPW 108.95	KPW 108.80	KPW 107.66	
KPW		B	EUR 1 =	KPW 123.85	KPW 120.12	KPW 120.28	KPW 121.50	
		S	EUR 1 =	KPW 124.88	KPW 121.32	KPW 121.48	KPW 122.71	
Korea, Republic of								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,091.21	KRW 1,155.60	KRW 1,179.90	KRW 1,144.20
	S		USD 1 =	KRW 1,112.71	KRW 1,178.40	KRW 1,203.10	KRW 1,166.80	
	KRW	B	EUR 1 =	KRW 1,283.68	KRW 1,295.24	KRW 1,314.83	KRW 1,302.10	
		S	EUR 1 =	KRW 1,309.60	KRW 1,321.40	KRW 1,341.39	KRW 1,328.40	
	Kuwait							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30068	KWD 0.30285	KWD 0.30280	KWD 0.30195
S			USD 1 =	KWD 0.30428	KWD 0.30645	KWD 0.30640	KWD 0.30555	
KWD		B	EUR 1 =	KWD 0.354396	KWD 0.339767	KWD 0.337804	KWD 0.343151	
		S	EUR 1 =	KWD 0.358627	KWD 0.343806	KWD 0.341820	KWD 0.347242	
Kyrgyzstan								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 68.8858	KGS 69.8500	KGS 69.8500	KGS 69.4928
	M		EUR 1 =	KGS 81.3869	KGS 77.9910	KGS 77.7675	KGS 79.1488	
	KGS							
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 8,408	LAK 8,611	LAK 8,646	LAK 8,648	
		S	USD 1 =	LAK 8,433	LAK 8,626	LAK 8,661	LAK 8,663	
	LAK	B	EUR 1 =	LAK 9,885	LAK 9,628	LAK 9,593	LAK 9,822	
		S	EUR 1 =	LAK 9,931	LAK 9,673	LAK 9,638	LAK 9,868	
	Latvia							
	Riga 054	Euro = 100 cent	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
	EUR							
Lebanon								
Beirut 604	Lebanese pound = 100 piastres	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	
		M	EUR 1 =	LBP 1,782.68	LBP 1,690.21	LBP 1,680.56	LBP 1,717.19	
	LBP							
Lesotho ¹								
Maseru 395	Loti = 100 lisente	M	USD 1 =	LSL 13.2646	LSL 14.3100	LSL 14.7600	LSL 14.1444	
		M	EUR 1 =	LSL 15.6033	LSL 16.0537	LSL 16.4630	LSL 16.1048	
	LSL							

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

² As a rule, month-end data represent rates as at the first business day of the following month.

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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 144.36	LRD 171.4882	LRD 190.4927	LRD 195.6596
		S	USD 1 =	LRD 145.23	LRD 172.5305	LRD 191.5041	LRD 197.2402
	LRD	V, B	EUR 1 =	LRD 169.8138	LRD 192.3755	LRD 212.4184	LRD 222.6606
		V, S	EUR 1 =	LRD 170.8374	LRD 193.5447	LRD 213.5462	LRD 224.4593
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3631	LYD 1.3930	LYD 1.3995	LYD 1.3868
		S	USD 1 =	LYD 1.3700	LYD 1.3999	LYD 1.4065	LYD 1.3937
	LYD	B	EUR 1 =	LYD 1.6066	LYD 1.5573	LYD 1.5579	LYD 1.5772
		S	EUR 1 =	LYD 1.6147	LYD 1.5651	LYD 1.5657	LYD 1.5851
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0672	MOP 8.0750	MOP 8.0735	MOP 8.0373
		S	USD 1 =	MOP 8.0921	MOP 8.0975	MOP 8.0960	MOP 8.0598
	MOP	B	EUR 1 =	MOP 9.5102	MOP 9.0305	MOP 8.9916	MOP 9.1427
		S	EUR 1 =	MOP 9.5588	MOP 9.0690	MOP 9.0301	MOP 9.1812
Macedonia, former Yugoslav Republic of ²							
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,340.90	MGA 3,625.74	MGA 3,645.82	MGA 3,603.82
		M	EUR 1 =	MGA 3,939.56	MGA 4,047.38	MGA 4,051.79	MGA 4,098.01
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 717.8509	MWK 726.0237	MWK 739.6931	MWK 764.2345
		S	USD 1 =	MWK 736.2822	MWK 746.7903	MWK 761.4599	MWK 786.0941
	MWK	B	EUR 1 =	MWK 847.2160	MWK 812.5657	MWK 823.0566	MWK 869.3931
		S	EUR 1 =	MWK 868.9726	MWK 835.8077	MWK 847.2764	MWK 894.2607
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 3.9706	MYR 4.0694	MYR 4.1377	MYR 4.0833
		S	USD 1 =	MYR 4.0991	MYR 4.1966	MYR 4.2543	MYR 4.2017
	MYR	B	EUR 1 =	MYR 4.6691	MYR 4.5291	MYR 4.5930	MYR 4.6199
		S	EUR 1 =	MYR 4.8499	MYR 4.7158	MYR 4.7537	MYR 4.8027

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² New country name: North Macedonia.

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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.40	MVR 15.41	MVR 15.41	MVR 15.41
		V, M	EUR 1 =	MVR 18.16330	MVR 17.28694	MVR 17.18369	MVR 17.53658
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 584.736	XOF 588.249	XOF 576.412
		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 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Mauritania							
Nouakchott 228	Ouguiya MRU	B	USD 1 =	MRU 35.61	MRU 36.47	MRU 36.54	MRU 36.61
		S	USD 1 =	MRU 35.97	MRU 36.83	MRU 36.90	MRU 36.98
		B	EUR 1 =	MRU 42.03	MRU 40.89	MRU 40.69	MRU 41.64
		S	EUR 1 =	MRU 42.45	MRU 41.30	MRU 41.10	MRU 42.05
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 33.6405	MUR 34.6300	MUR 35.1982	MUR 35.0992
		S	USD 1 =	MUR 34.6236	MUR 35.5293	MUR 36.0979	MUR 35.9986
		B	EUR 1 =	MUR 39.5707	MUR 38.6134	MUR 39.0338	MUR 39.7540
		S	EUR 1 =	MUR 40.7996	MUR 39.7235	MUR 40.1474	MUR 40.8886
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 19.2071	MXN 18.9330	MXN 19.6485	MXN 19.1910
		S	USD 1 =	MXN 19.2144	MXN 18.9390	MXN 19.6555	MXN 19.1970
		V, B	EUR 1 =	MXN 22.6936	MXN 21.2390	MXN 21.9100	MXN 21.8394
		V, S	EUR 1 =	MXN 22.7021	MXN 21.2458	MXN 21.9178	MXN 21.8462
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 16.8043	MDL 17.8918	MDL 18.1860	MDL 18.1452
		M	EUR 1 =	MDL 19.8400	MDL 19.9181	MDL 20.2528	MDL 20.6484
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,483.64	MNT 2,642.78	MNT 2,649.35	MNT 2,657.76
		M	EUR 1 =	MNT 2,928.63	MNT 2,958.59	MNT 2,952.30	MNT 3,026.39
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.3893	MAD 9.6510	MAD 9.7204	MAD 9.5718
		M	EUR 1 =	MAD 11.0887	MAD 10.8207	MAD 10.8392	MAD 10.8956

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. 1 See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Mozambique							
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 59.82	MZN 63.89	MZN 61.63	MZN 61.52
		S	USD 1 =	MZN 61.01	MZN 65.14	MZN 62.83	MZN 62.71
	MZN	B	EUR 1 =	MZN 70.66	MZN 71.28	MZN 68.66	MZN 70.04
		S	EUR 1 =	MZN 72.05	MZN 72.67	MZN 70.00	MZN 71.39
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,440.42	MMK 1,522.70	MMK 1,532.70	MMK 1,515.00
		M	EUR 1 =	MMK 1,695.58	MMK 1,706.10	MMK 1,708.70	MMK 1,725.30
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 13.2345	NAD 14.3451	NAD 14.7930	NAD 14.1708
		M	EUR 1 =	NAD 15.5835	NAD 16.0377	NAD 16.4679	NAD 16.0996
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 109.25	NPR 111.72	NPR 111.50	NPR 110.13
		S	USD 1 =	NPR 109.85	NPR 112.32	NPR 112.10	NPR 110.73
	NPR	B	EUR 1 =	NPR 128.90	NPR 124.62	NPR 124.18	NPR 125.30
		S	EUR 1 =	NPR 129.61	NPR 125.29	NPR 124.85	NPR 125.99
Netherlands							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
New Caledonia ¹							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.90	USD 9.40	USD 9.34	USD 9.54
		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 0.7068	USD 0.6807	USD 0.6649	USD 0.6848
		S	NZD 1 =	USD 0.6815	USD 0.6562	USD 0.6408	USD 0.6601
	NZD	B	NZD 1 =	EUR 0.5993	EUR 0.6107	EUR 0.5993	EUR 0.6044
		S	NZD 1 =	EUR 0.5735	EUR 0.5841	EUR 0.5730	EUR 0.5781
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 31.6153	NIO 32.8533	NIO 32.9897	NIO 33.1222
		V, M	EUR 1 =	NIO 37.26925	NIO 36.85483	NIO 36.78681	NIO 37.69306

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Niger ¹							
Niamey 240	CFA franc	V	USD 1 =	XOF 555.425	XOF 584.736	XOF 588.249	XOF 576.412
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Nigeria ¹							
Abuja 288	Naira = 100 kobo	B	USD 1 =	NGN 305.10	NGN 305.95	NGN 305.95	NGN 305.90
		S	USD 1 =	NGN 306.10	NGN 306.95	NGN 306.95	NGN 306.90
	NGN	B	EUR 1 =	NGN 360.3831	NGN 343.1841	NGN 341.3484	NGN 348.0530
		S	EUR 1 =	NGN 361.5644	NGN 344.3058	NGN 342.4641	NGN 349.1908
North Macedonia ¹							
Skopje 096	North Macedonia denar = 100 deni	B	USD 1 =	MKD 51.8497	MKD 55.0081	MKD 54.9536	MKD 53.8851
		S	USD 1 =	MKD 52.3708	MKD 55.5610	MKD 55.5059	MKD 54.4266
	MKD	B	EUR 1 =	MKD 61.2037	MKD 61.1855	MKD 61.1853	MKD 61.2673
		S	EUR 1 =	MKD 61.8188	MKD 61.8005	MKD 61.8003	MKD 61.8831
Norway							
Oslo 028	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.1037	NOK 8.6259	NOK 8.7512	NOK 8.4742
		S	USD 1 =	NOK 8.1687	NOK 8.6909	NOK 8.8162	NOK 8.5462
	NOK	B	EUR 1 =	NOK 9.5874	NOK 9.6471	NOK 9.7451	NOK 9.6447
		S	EUR 1 =	NOK 9.6594	NOK 9.7191	NOK 9.8171	NOK 9.7237
Oman							
Muscat 649	Rial Omani = 1,000 baisa	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
	OMR	B	EUR 1 =	OMR 0.4528544	OMR 0.4296576	OMR 0.4276608	OMR 0.4366464
		S	EUR 1 =	OMR 0.4541107	OMR 0.4308535	OMR 0.4288515	OMR 0.4378605
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 121.67	PKR 141.20	PKR 148.00	PKR 164.00
		S	USD 1 =	PKR 121.90	PKR 141.70	PKR 148.50	PKR 164.50
	PKR	B	EUR 1 =	PKR 143.54	PKR 157.99	PKR 164.76	PKR 186.37
		S	EUR 1 =	PKR 143.80	PKR 158.55	PKR 165.32	PKR 186.99
Panama ¹							
Panama City 442	Balboa = 100 centésimos	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
	PAB	V	EUR 1 =	PAB 1.1810	PAB 1.1218	PAB 1.1151	PAB 1.1380
Papua New Guinea							
Port Moresby 801	Kina = 100 toea	B	PGK 1 =	USD 0.3108	USD 0.3035	USD 0.3030	USD 0.3030
		S	PGK 1 =	USD 0.2958	USD 0.2885	USD 0.2880	USD 0.2880
	PGK	B	PGK 1 =	EUR 0.2612	EUR 0.2681	EUR 0.2689	EUR 0.2633
		S	PGK 1 =	EUR 0.2462	EUR 0.2531	EUR 0.2539	EUR 0.2483

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

² Value against the euro. ³ Value against the US dollar. ⁴ Parity in relation to 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,727.98	PYG 6,281.70	PYG 6,269.27	PYG 6,183.21
		S	USD 1 =	PYG 5,739.88	PYG 6,292.16	PYG 6,278.13	PYG 6,197.68
	PYG	V, B	EUR 1 =	PYG 6,762.15	PYG 7,046.81	PYG 6,990.86	PYG 7,036.49
V, S		EUR 1 =	PYG 6,776.14	PYG 7,058.55	PYG 7,000.74	PYG 7,052.96	
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.285	PEN 3.306	PEN 3.367	PEN 3.285
		S	USD 1 =	PEN 3.289	PEN 3.312	PEN 3.370	PEN 3.290
	PEN	B	EUR 1 =	PEN 3.811	PEN 3.660	PEN 3.665	PEN 3.616
		S	EUR 1 =	PEN 4.000	PEN 3.880	PEN 3.970	PEN 3.922
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 52.48	PHP 51.85	PHP 51.90	PHP 50.90
		S	USD 1 =	PHP 52.98	PHP 52.35	PHP 52.40	PHP 51.40
	PHP	B	EUR 1 =	PHP 60.5284	PHP 56.4402	PHP 56.2483	PHP 56.3191
		S	EUR 1 =	PHP 63.7421	PHP 59.7332	PHP 59.5281	PHP 59.6266
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.6125	PLN 3.8291	PLN 3.8498	PLN 3.7336
		M	EUR 1 =	PLN 4.2669	PLN 4.2911	PLN 4.2916	PLN 4.2520
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
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 4.2927	QAR 4.0834	QAR 4.0590	QAR 4.1423
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 3.9433	RON 4.2440	RON 4.2591	RON 4.1587
		M	EUR 1 =	RON 4.6558	RON 4.7582	RON 4.7487	RON 4.7351
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 62.9446	RUB 64.6917	RUB 65.0583	RUB 63.0756
		M	EUR 1 =	RUB 74.0611	RUB 72.2024	RUB 72.4229	RUB 71.8179

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 853.180023	RWF 882.851927	RWF 885.716905	RWF 889.390434
		S	USD 1 =	RWF 870.241900	RWF 900.507183	RWF 903.429453	RWF 907.176446
	RWF	B	EUR 1 =	RWF 1,008.609844	RWF 987.072597	RWF 985.758629	RWF 1,010.614350
		S	EUR 1 =	RWF 1,028.780004	RWF 1,006.812055	RWF 1,005.471810	RWF 1,030.824596
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.74912	SHP 0.76884	SHP 0.79538	SHP 0.78783
		V	EUR 1 =	SHP 0.88471	SHP 0.86248	SHP 0.88693	SHP 0.89655
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 3.1748	XCD 3.0156	XCD 2.9976	XCD 3.0592
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0478	XCD 3.0296	XCD 3.0918
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 3.1748	XCD 3.0156	XCD 2.9976	XCD 3.0592
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0478	XCD 3.0296	XCD 3.0918
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 3.1748	XCD 3.0156	XCD 2.9976	XCD 3.0592
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0478	XCD 3.0296	XCD 3.0918
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.38875	USD 0.38000	USD 0.37550	USD 0.38013
		M	WST 1 =	EUR 0.32973	EUR 0.33984	EUR 0.33721	EUR 0.33439
Sao Tome and Principe							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 20.7647	STN 21.9731	STN 22.0047	STN 21.5479
		S	USD 1 =	STN 21.0762	STN 22.3027	STN 22.3347	STN 21.8712
	STN	4	EUR 1 =	STN 24.5000	STN 24.5000	STN 24.5000	STN 24.5000
Saudi Arabia							
Riyadh 632	Saudi rial = 100 halalah SAR	3 M	USD 1 =	SAR 3.75	SAR 3.75	SAR 3.75	SAR 3.75
		M	EUR 1 =	SAR 4.4221	SAR 4.1859	SAR 4.1724	SAR 4.2705

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

2 Parity in relation to 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 555.425	XOF 584.736	XOF 588.249	XOF 576.412
	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 99.9481	RSD 105.1134	RSD 105.6726	RSD 103.4572
		S	USD 1 =	RSD 100.5496	RSD 105.7460	RSD 106.3086	RSD 104.0798
	RSD	B	EUR 1 =	RSD 117.9053	RSD 117.6008	RSD 117.6030	RSD 117.5584
		S	EUR 1 =	RSD 118.6148	RSD 118.3086	RSD 118.3108	RSD 118.2658
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.7032	SCR 13.9338	SCR 13.9458	SCR 13.8459
		S	USD 1 =	SCR 14.0698	SCR 14.1525	SCR 14.1639	SCR 14.1754
	SCR	B	EUR 1 =	SCR 16.2129	SCR 15.4115	SCR 15.5702	SCR 15.7911
		S	EUR 1 =	SCR 16.6326	SCR 15.8750	SCR 15.7793	SCR 16.1037
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 7,878.57	SLL 8,646.99	SLL 8,697.19	SLL 8,737.51
		S	USD 1 =	SLL 8,037.73	SLL 8,821.67	SLL 8,872.89	SLL 8,914.02
	SLL	B	EUR 1 =	SLL 9,290.70	SLL 9,674.97	SLL 9,689.31	SLL 9,944.80
		S	EUR 1 =	SLL 9,475.79	SLL 9,864.36	SLL 9,884.61	SLL 10,143.32
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3486	SGD 1.3620	SGD 1.3789	SGD 1.3535
		M	EUR 1 =	SGD 1.5915	SGD 1.5237	SGD 1.5348	SGD 1.5383
Sint Maarten (southern part)							
Philipsburg 479	Netherlands Antillean guilder = 100 cents	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 210.14	ANG 199.73	ANG 198.53	ANG 202.65
		S	EUR 100 =	ANG 214.38	ANG 203.75	ANG 202.53	ANG 206.73
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1255	USD 0.1232	USD 0.1223	USD 0.1225
		M	SBD 1 =	EUR 0.10644	EUR 0.11030	EUR 0.10990	EUR 0.10780

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
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 13.1043	ZAR 14.1263	ZAR 14.4575	ZAR 13.9413
		S	USD 1 =	ZAR 13.4218	ZAR 14.4438	ZAR 14.7750	ZAR 14.2588
	ZAR	B	EUR 1 =	ZAR 15.3622	ZAR 15.8296	ZAR 16.0978	ZAR 15.8444
		S	EUR 1 =	ZAR 15.8001	ZAR 16.2655	ZAR 16.5317	ZAR 16.2804
South Sudan							
Juba 225	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 142.3526	SSP 157.3906	SSP 158.1586	SSP 158.6628
		M	EUR 1 =	SSP 167.7415	SSP 175.7030	SSP 176.0859	SSP 180.3998
SSP							
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1218	USD 1.1151	USD 1.1380
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 161.0435	LKR 173.7878	LKR 174.3163	LKR 174.6059
		S	USD 1 =	LKR 164.6315	LKR 177.7363	LKR 178.2672	LKR 178.3574
	LKR	B	EUR 1 =	LKR 188.8604	LKR 193.1700	LKR 192.8184	LKR 197.2812
		S	EUR 1 =	LKR 195.5350	LKR 200.1946	LKR 199.8406	LKR 204.0475
Sudan							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 25.3413	SDG 45.0000	SDG 45.0000	SDG 45.0000
		S	USD 1 =	SDG 25.4681	SDG 45.2250	SDG 45.2250	SDG 45.2250
	SDG	B	EUR 1 =	SDG 29.5831	SDG 50.3465	SDG 50.1093	SDG 51.1799
		S	EUR 1 =	SDG 29.7310	SDG 50.5982	SDG 50.3598	SDG 51.4357
Suriname							
Paramaribo 492	Suriname dollar = 100 cents	B	USD 1 =	SRD 7.401	SRD 7.396	SRD 7.396	SRD 7.396
		S	USD 1 =	SRD 7.525	SRD 7.520	SRD 7.520	SRD 7.520
	SRD	B	EUR 1 =	SRD 8.729	SRD 8.236	SRD 8.225	SRD 8.399
		S	EUR 1 =	SRD 8.866	SRD 8.365	SRD 8.353	SRD 8.530
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.6396	SEK 9.4586	SEK 9.4980	SEK 9.2188
		S	USD 1 =	SEK 8.7446	SEK 9.5636	SEK 9.6030	SEK 9.3238
	SEK	B	EUR 1 =	SEK 10.2389	SEK 10.5802	SEK 10.5801	SEK 10.5006
		S	EUR 1 =	SEK 10.3539	SEK 10.6952	SEK 10.6951	SEK 10.6156

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9783	CHF 1.0183	CHF 1.0053	CHF 0.9740
		B	EUR 1 =	CHF 1.1520	CHF 1.1410	CHF 1.1208	CHF 1.1093
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 434.00	SYP 434.00	SYP 434.00	SYP 434.00
		S	USD 1 =	SYP 438.30	SYP 438.34	SYP 438.34	SYP 438.34
		B	EUR 1 =	SYP 513.32	SYP 485.58	SYP 483.23	SYP 493.53
		S	EUR 1 =	SYP 518.41	SYP 490.44	SYP 488.07	SYP 498.46
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 9.1637	TJS 9.4393	TJS 9.4398	TJS 9.4396
		M	EUR 1 =	TJS 10.8116	TJS 10.5314	TJS 10.5122	TJS 10.7432
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,254.6073	TZS 2,278.1386	TZS 2,277.1683	TZS 2,278.1188
		S	USD 1 =	TZS 2,277.1533	TZS 2,300.9200	TZS 2,299.9400	TZS 2,300.9000
		B	EUR 1 =	TZS 2,661.7781	TZS 2,541.0358	TZS 2,535.1715	TZS 2,589.0820
		S	EUR 1 =	TZS 2,689.1558	TZS 2,567.1364	TZS 2,561.2132	TZS 2,615.8932
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 32.1291	THB 31.7688	THB 31.5882	THB 30.5733
		S	USD 1 =	THB 32.4704	THB 32.0988	THB 31.9223	THB 30.9152
		B	EUR 1 =	THB 37.7262	THB 35.3573	THB 35.0010	THB 34.5912
		S	EUR 1 =	THB 38.4623	THB 36.0522	THB 35.7146	THB 35.3056
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 584.736	XOF 588.249	XOF 576.412
		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 0.4462	USD 0.4397	USD 0.4354	USD 0.4395
		M	TOP 1 =	EUR 0.3777	EUR 0.3927	EUR 0.3900	EUR 0.3855
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7317	TTD 6.7110	TTD 6.7210	TTD 6.7334
		S	USD 1 =	TTD 6.7630	TTD 6.7658	TTD 6.7600	TTD 6.7617
		B	EUR 1 =	TTD 7.8811	TTD 7.5313	TTD 7.4260	TTD 7.7462
		S	EUR 1 =	TTD 8.4568	TTD 7.9856	TTD 7.9457	TTD 8.1187

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.6373	TND 2.9939	TND 2.9834	TND 2.8744
			USD 1 =	TND 2.6400	TND 2.9968	TND 2.9864	TND 2.8773
	TND	B S	EUR 1 =	TND 3.1069	TND 3.3486	TND 3.3248	TND 3.2730
			EUR 1 =	TND 3.1100	TND 3.3520	TND 3.3282	TND 3.2762
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 4.8094	TRY 5.9282	TRY 5.9235	TRY 5.7665
			USD 1 =	TRY 4.8180	TRY 5.9389	TRY 5.9342	TRY 5.7769
	TRY	B S	EUR 1 =	TRY 5.6804	TRY 6.6151	TRY 6.5966	TRY 6.5571
			EUR 1 =	TRY 5.6906	TRY 6.6270	TRY 6.6084	TRY 6.5689
Turkmenistan ¹							
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 4.1619	TMT 3.9064	TMT 3.8976	TMT 3.9848
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,728.14	UGX 3,740.54	UGX 3,754.00	UGX 3,690.29
			USD 1 =	UGX 3,738.14	UGX 3,750.54	UGX 3,764.00	UGX 3,700.29
	UGX	B S	EUR 1 =	UGX 4,393.75	UGX 4,175.64188	UGX 4,183.19590	UGX 4,197.80457
			EUR 1 =	UGX 4,405.54	UGX 4,186.80509	UGX 4,194.33920	UGX 4,209.17984
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok	M M	USD 100 =	UAH 2,721.1273	UAH 2,661.9328	UAH 2,687.2573	UAH 2,616.6382
			EUR 100 =	UAH 3,212.2821	UAH 2,960.8679	UAH 2,991.9923	UAH 2,973.0243
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 4.3310	AED 4.1198	AED 4.0952	AED 4.1793
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M M	GBP 1 =	USD 1.3350	USD 1.3036	USD 1.2602	USD 1.2728
			EUR 1 =	GBP 0.8854	GBP 0.8597	GBP 0.8842	GBP 0.8948
United States							
Washington 400	US dollar = 100 cents	M M	EUR 1 =	USD 1.17793	USD 1.1215	USD 1.1167	USD 1.1368
			GBP 1 =	USD 1.33458	USD 1.3031	USD 1.2631	USD 1.2693

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					April 2019	May 2019	June 2019
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 30.739	UYU 34.981	UYU 35.252	UYU 35.182
		M	EUR 1 =	UYU 36.2340	UYU 39.2469	UYU 39.3835	UYU 40.0142
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 8,070.28	UZS 8,445.49	UZS 8,485.91	UZS 8,562.34
		M	EUR 1 =	UZS 9,528.90	UZS 9,415.03	UZS 9,505.92	UZS 9,731.96
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 108.58	VUV 111.86	VUV 113.27	VUV 111.93
		S	USD 1 =	VUV 115.41	VUV 119.30	VUV 120.79	VUV 119.37
		B	EUR 1 =	VUV 128.83	VUV 126.18	VUV 127.16	VUV 128.32
		S	EUR 1 =	VUV 134.09	VUV 131.41	VUV 132.42	VUV 133.63
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	.	² VES 5,189.9327	VES 5,873.2448	VES 6,716.4553
		S	USD 1 =	.	² VES 5,202.9400	VES 5,887.9647	VES 6,733.2885
		B	EUR 1 =	.	² VES 5,814.4891	VES 6,552.0744	VES 7,637.2813
		S	EUR 1 =	.	² VES 5,829.8943	VES 6,568.6134	VES 7,659.1157
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,007	VND 23,230	VND 23,355	VND 23,230
		S	USD 1 =	VND 23,085	VND 23,330	VND 23,475	VND 23,350
		B	EUR 1 =	VND 27,033.98	VND 25,775.91	VND 25,941.88	VND 26,363.34
		S	EUR 1 =	VND 27,460.82	VND 26,522.97	VND 26,693.46	VND 27,180.63
Yemen							
Sana'a 653	Yemeni rial = 100 fils YER	B	USD 1 =	YER 250.00	YER 250.00	YER 250.00	YER 250.00
		S	USD 1 =	YER 250.50	YER 250.50	YER 250.50	YER 250.50
		B	EUR 1 =	YER 294.43	YER 279.70	YER 278.31	YER 284.25
		S	EUR 1 =	YER 295.02	YER 280.26	YER 278.87	YER 284.82
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 10.5868	ZMW 12.6941	ZMW 13.2429	ZMW 12.8079
		S	USD 1 =	ZMW 10.6368	ZMW 12.7441	ZMW 13.2929	ZMW 12.8579
		B	EUR 1 =	ZMW 12.4529	ZMW 14.2390	ZMW 14.7658	ZMW 14.5716
		S	EUR 1 =	ZMW 12.5160	ZMW 14.3002	ZMW 14.8269	ZMW 14.6336

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Calculation not meaningful due to multiple episodes of sharp depreciation.

VI. Global exchange rate arrangements and monetary policy framework*

As of end-April 2018

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	Kosovo Montenegro San Marino		Kiribati Nauru Tuvalu			
Currency board	Djibouti Hong Kong ECCU ² Antigua and Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria		Brunei Darussalam			
Conventional peg	Aruba Bahamas Bahrain Barbados Belize Curaçao and Sint Maarten (southern part) Eritrea Iraq Jordan Oman Qatar Saudi Arabia Turkmenistan United Arab Emirates	Cabo Verde Comoros Denmark ⁴ Sao Tome and Principe WAEMU ⁵ Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC ⁶ Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Libya Morocco	Bhutan Eswatini Lesotho Namibia Nepal			Samoa ³ Solomon Islands ³
Stabilised arrangement	Guyana Lebanon Maldives Trinidad and Tobago	Croatia North Macedonia	Singapore Viet Nam ⁷		Angola ⁷ Bolivia, Plurinational State of ⁷ Ethiopia ⁷ Guinea ⁷ Malawi ⁷ Myanmar ⁷ Nigeria ⁷ Suriname ⁷ Tajikistan ^{7,9} Tanzania, United Republic of ⁷ Yemen ⁷	Guatemala ⁷ Indonesia ⁷	Azerbaijan ⁷ Egypt ⁷ Kenya ^{7,8} Pakistan ⁷ South Sudan ⁷ Uzbekistan ⁷
Crawling peg	Honduras Nicaragua		Botswana				

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2018, 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 The members participate in the Eastern Caribbean

Currency Union. ³ The country maintains a de facto exchange rate anchor to a composite. ⁴ The member participates in ERM II. ⁵ The members participate in the West African Economic and Monetary Union. ⁶ The members participate in the Central African Economic and Monetary Community. ⁷ The country maintains a de facto

VI. Global exchange rate arrangements and monetary policy framework*

As of end-April 2018

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			
Crawl-like arrangement			Iran, Islamic Republic of ⁷		Afghanistan ⁷ Bangladesh ⁷ Burundi ⁷ China ³ Rwanda ⁷	Costa Rica ⁷ Dominican Republic ⁷ Serbia ¹⁰	Haiti ⁷ Lao People's Democratic Republic ^{7,11} Mauritania ⁷ Papua New Guinea ⁷ Sri Lanka ^{7,8} Tunisia ^{8,10}
Pegged exchange rate within horizontal bands							Tonga ³
Other managed arrangement	Cambodia Liberia Zimbabwe		Syrian Arab Republic		Algeria Belarus Congo, Democratic Republic of the Gambia Sierra Leone		Kyrgyzstan Sudan ¹¹ Vanuatu Venezuela, Bolivarian Republic of
Floating					Argentina Madagascar Seychelles	Albania Armenia Brazil Colombia Czechia Georgia Ghana Hungary Iceland India Israel Jamaica ^{9,11} Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Romania South Africa Thailand Turkey Uganda Ukraine Uruguay	Malaysia Mauritius Mongolia ⁸ Mozambique ⁸ Switzerland Zambia
Free floating						Australia Canada Chile Japan Mexico Norway Poland Russian Federation Sweden United Kingdom	Somalia ¹² United States Euro area Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

exchange rate anchor to the US dollar. ⁸ The central bank has taken preliminary steps toward inflation targeting. ⁹ The exchange rate arrangement was reclassified twice during this reporting period. ¹⁰ The country maintains a de facto exchange rate anchor to the euro. ¹¹ The exchange rate arrangement or monetary policy frame-

work was reclassified retroactively, overriding a previously published classification. ¹² Currently the Central Bank of Somalia does not have a monetary policy framework.

VII. ISO currency codes *

As of end-June 2019

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

* Extracted and compiled from ISO communications. ¹ See Explanatory notes on individual countries, pp. 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, i. e. 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 Q1 1999 = 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

p. 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 2017, 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 2017, pp. 41-43).

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°

Figures in %

As of August 2017

Trading partner	Calculation period for weights ¹											
	EER-19						EER-38					
	1995 to 1997	1998 to 2000	2004 to 2006	2007 to 2009	2010 to 2012	2013 to 2015	1995 to 1997	1998 to 2000	2004 to 2006	2007 to 2009	2010 to 2012	2013 to 2015
	Period of use of weights											
	Up to end of 1997	1998 to 2000	2004 to 2006	2007 to 2009	2010 to 2012	From 2013	Up to end of 1997	1998 to 2000	2004 to 2006	2007 to 2009	2010 to 2012	From 2013
EER-38 group							100	100	100	100	100	100
EER-19 group	100	100	100	100	100	100						
Australia	0.90	0.84	0.91	0.89	0.95	0.81	0.73	0.68	0.73	0.72	0.75	0.65
Bulgaria	0.33	0.37	0.55	0.64	0.62	0.67	0.27	0.30	0.44	0.51	0.49	0.54
Canada	1.77	1.92	1.79	1.65	1.53	1.49	1.43	1.57	1.44	1.32	1.21	1.20
China	5.69	6.76	14.22	18.69	22.47	23.28	4.59	5.52	11.45	14.99	17.85	18.74
Croatia	0.68	0.55	0.66	0.64	0.47	0.45	0.55	0.45	0.53	0.51	0.37	0.36
Czechia	2.75	2.95	4.23	5.09	5.19	5.14	2.21	2.41	3.41	4.08	4.12	4.14
Denmark	3.27	2.92	2.77	2.67	2.19	2.07	2.63	2.39	2.23	2.14	1.74	1.67
Hong Kong	2.60	2.23	1.93	1.70	1.80	1.91	2.10	1.82	1.56	1.36	1.43	1.54
Hungary	1.90	2.65	3.20	3.19	2.86	3.02	1.53	2.17	2.57	2.56	2.27	2.43
Japan	10.49	9.59	7.42	6.63	6.25	5.06	8.45	7.83	5.98	5.32	4.96	4.07
Korea, Republic of	3.59	3.17	3.88	3.93	3.91	3.80	2.89	2.59	3.12	3.15	3.10	3.05
Norway	1.60	1.43	1.32	1.34	1.19	1.08	1.29	1.17	1.06	1.07	0.95	0.87
Poland	2.95	3.42	4.93	6.28	6.44	6.86	2.38	2.79	3.97	5.04	5.11	5.52
Romania	0.89	0.99	1.73	1.97	2.09	2.27	0.72	0.81	1.40	1.58	1.66	1.83
Singapore	2.41	2.05	1.81	1.52	1.61	1.45	1.94	1.67	1.46	1.22	1.28	1.16
Sweden	6.05	5.42	5.17	4.89	4.54	4.17	4.87	4.43	4.16	3.92	3.61	3.36
Switzerland	8.27	7.34	6.68	6.63	6.94	6.65	6.66	5.99	5.38	5.32	5.51	5.35
United Kingdom	23.21	21.87	17.81	14.97	13.05	12.93	18.70	17.86	14.34	12.00	10.37	10.40
United States	20.64	23.50	18.99	16.68	15.91	16.89	16.63	19.19	15.29	13.37	12.63	13.60
Additional countries in the EER-38 group												
Algeria							0.31	0.28	0.35	0.38	0.40	0.44
Argentina							0.58	0.50	0.27	0.30	0.38	0.31
Brazil							1.57	1.43	1.27	1.40	1.47	1.26
Chile							0.35	0.32	0.43	0.42	0.42	0.33
China (Taiwan)							2.37	2.44	1.92	1.52	1.51	1.42
Iceland							0.05	0.06	0.08	0.09	0.08	0.06
India							1.54	1.44	1.85	2.22	2.53	2.40
Indonesia							1.04	0.83	0.62	0.62	0.69	0.68
Israel							1.06	1.02	0.73	0.68	0.69	0.71
Malaysia							1.24	1.19	1.15	1.06	1.02	0.97
Mexico							0.89	1.22	1.20	1.21	1.34	1.44
Morocco							0.64	0.63	0.62	0.59	0.59	0.64
New Zealand							0.13	0.11	0.13	0.11	0.10	0.12
Philippines							0.40	0.52	0.42	0.30	0.29	0.34
Russian Federation							2.58	1.90	3.04	3.51	3.49	3.00
South Africa							0.98	0.93	1.06	0.96	0.99	0.85
Thailand							1.26	1.04	1.07	1.12	1.13	1.12
Turkey							2.19	2.24	3.09	3.18	3.31	3.35
Venezuela, Bolivarian Republic of							0.26	0.23	0.16	0.15	0.15	0.09

° 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. ¹ Selected calculation periods; for a comprehensive overview, see <https://www.bundesbank.de/en/statistics/external-sector/effective-exchange-rates-of-the-euro>

■ 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 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 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 (e. g. 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 2018 (see Table VI., pp. 46-47) is based on the IMF's "Annual Report on Exchange Arrangements and Exchange Restrictions 2018", 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

It is understood that there is a considerably different, black market rate alongside the official, published exchange rate.

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 customary 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.

Eswatini

The South African rand is likewise legal tender alongside the lilangeni (convertible at par).

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

As we have only incomplete information on the extensive changes and regulations in the multiple exchange rate system, the information provided below on applying exchange rates – valid since 6 August 2018 – is intended merely as a guideline.

Central bank rate
For imports of essential goods (e.g. basic foodstuffs and pharmaceuticals).

NIMA rate (see <https://www.sanarate.ir/Default.aspx>)
For other, non-specified goods imports and services. Access to the electronic platform NIMA is possible only for certain importers as well as exchange bureaus.

Bureau de change rate
Used in addition to the regulated central bank and NIMA exchange rates, including for travelling abroad, tuition fees at foreign universities, medical treatment and legal fees abroad.

The term “toman” (an old Persian currency) is also used to denote 10 Iranian rials.

Iraq

The official exchange rate applies only to foreign exchange transactions between the central bank and domestic and foreign commercial banks, public sector institutions, money transfer institutions and foreign exchange bureaux.

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

Alongside the official published reference exchange rates, there are bureau de change rates, which deviate. According to financial information providers, the exchange rate was around 360 naira to the US dollar in the middle of June 2019.

North Macedonia

With the entering into force of the Prespa Agreement on 12 February 2019, the earlier, provisional name of the country “the former Yugoslav Republic of Macedonia” has been changed to “North Macedonia”.

Panama

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

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 customary tender.

Somalia

No exchange rates are available for the Somali shilling.

Togo

See Explanatory notes on Benin.

Turkmenistan

It is understood that there is a considerably different, black market rate alongside the official, published exchange rate.

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

It is understood that there is a considerably different, black market rate alongside the official, published exchange rate.