



Exchange rate statistics August 2019

Statistical Supplement 5
to the Monthly Report

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www.bundesbank.de/en/homepage/imprint

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ISSN 2190-8990

Finalised on 7 August 2019.

The Exchange rate statistics supplement is released once
a month and published on the basis of Section 18 of the
Bundesbank Act (*Gesetz über die Deutsche Bundesbank*).

Up-to-date information and time series are also available
online at:
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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	Data unknown, not to be published or not meaningful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	1478/2000
	2007 January 1	Slovenia	Slovenian tolar	SIT	239.640	1086/2006
2008 January 1	Cyprus	Cyprus pound	CYP	0.585274	1135/2007	
	Malta	Maltese lira	MTL	0.429300	1134/2007	
2009 January 1	Slovakia	Slovak koruna	SKK	30.1260	694/2008	
2011 January 1	Estonia	Estonian kroon	EEK	15.6466	671/2010	
2014 January 1	Latvia	Latvian lats	LVL	0.702804	870/2013	
2015 January 1	Lithuania	Lithuanian litas	LTL	3.45280	851/2014	

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

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

Country Currency ISO currency code	Type of rate	EUR 1 = CU ...						
		From ... 1 Jan. 1999	17 Jan. 2000	28 June 2004	2 May 2005	28 Nov. 2005	19 Mar. 2007	29 May 2008
Denmark Danish krone DKK	Upper rate	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824
	Central rate	¹ 7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038
	Lower rate	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252
Greece Greek drachma GRD	Upper rate	406.075	391.863	–	–	–	–	–
	Central rate	¹ 353.109	² 340.750	–	–	–	–	–
	Lower rate	300.143	289.638	–	–	–	–	–
Estonia Estonian kroon EEK	Upper rate	–	–	17.9936	17.9936	17.9936	17.9936	17.9936
	Central rate	–	–	15.6466	15.6466	15.6466	15.6466	³ 15.6466
	Lower rate	–	–	13.2996	13.2996	13.2996	13.2996	13.2996
Lithuania Lithuanian litas LTL	Upper rate	–	–	3.97072	3.97072	3.97072	3.97072	3.97072
	Central rate	–	–	3.45280	3.45280	3.45280	3.45280	⁴ 3.45280
	Lower rate	–	–	2.93488	2.93488	2.93488	2.93488	2.93488
Slovenia Slovenian tolar SIT	Upper rate	–	–	275.586	275.586	275.586	–	–
	Central rate	–	–	239.640	239.640	⁵ 239.640	–	–
	Lower rate	–	–	203.694	203.694	203.694	–	–
Cyprus Cyprus pound CYP	Upper rate	–	–	–	0.673065	0.673065	0.673065	–
	Central rate	–	–	–	0.585274	0.585274	⁶ 0.585274	–
	Lower rate	–	–	–	0.497483	0.497483	0.497483	–
Latvia Latvian lats LVL	Upper rate	–	–	–	0.808225	0.808225	0.808225	0.808225
	Central rate	–	–	–	0.702804	0.702804	0.702804	⁷ 0.702804
	Lower rate	–	–	–	0.597383	0.597383	0.597383	0.597383
Malta Maltese lira MTL	Upper rate	–	–	–	0.493695	0.493695	0.493695	–
	Central rate	–	–	–	0.429300	0.429300	⁶ 0.429300	–
	Lower rate	–	–	–	0.364905	0.364905	0.364905	–
Slovakia Slovak koruna SKK	Upper rate	–	–	–	–	44.2233	40.7588	34.6449
	Central rate	–	–	–	–	38.4550	35.4424	⁸ 30.1260
	Lower rate	–	–	–	–	32.6868	30.1260	25.6071

Source: ECB. * One prerequisite before an EU Member State can join the euro area is that its currency must have observed the normal fluctuation margins of Exchange Rate Mechanism II (the standard fluctuation band is $\pm 15\%$) for at least two years without devaluing against the euro. The Danish krone has a fluctuation band of $\pm 2.25\%$ on either side of the central rate. ¹ According to the EU communiqué of 31 December 1998. ² Until 31 December 2000; accession to the euro area on 1 January

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

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

1. Daily rates

EUR 1 = CU ...

Period		EU member countries								
		Bulgaria Bulgarian lev BGN	Croatia Kuna HRK	Czechia Czech koruna CZK	Denmark Danish krone DKK	Hungary Hungarian forint HUF	Poland Polish zloty PLN	Romania Romanian leu RON	Sweden Swedish krona SEK	
2019	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
		10	1.9558	7.3935	25.565	7.4637	325.90	4.2738	4.7335	10.6093
		11	1.9558	7.3940	25.605	7.4673	325.83	4.2681	4.7340	10.5808
		12	1.9558	7.3938	25.590	7.4673	325.78	4.2675	4.7322	10.5515
		15	1.9558	7.3935	25.569	7.4669	325.66	4.2622	4.7333	10.5563
		16	1.9558	7.3905	25.575	7.4678	325.85	4.2555	4.7316	10.5405
		17	1.9558	7.3895	25.603	7.4669	326.68	4.2641	4.7336	10.5168
		18	1.9558	7.3875	25.586	7.4672	326.46	4.2596	4.7325	10.5040
		19	1.9558	7.3880	25.546	7.4662	325.36	4.2571	4.7309	10.5195
		22	1.9558	7.3875	25.534	7.4660	324.95	4.2480	4.7225	10.5440
		23	1.9558	7.3863	25.549	7.4659	325.50	4.2497	4.7207	10.5695
		24	1.9558	7.3860	25.542	7.4649	325.75	4.2547	4.7190	10.5293
		25	1.9558	7.3839	25.519	7.4648	325.21	4.2472	4.7228	10.4947
		26	1.9558	7.3845	25.542	7.4663	326.45	4.2670	4.7263	10.5585
		29	1.9558	7.3805	25.613	7.4668	327.23	4.2806	4.7287	10.5773
		30	1.9558	7.3807	25.650	7.4666	327.49	4.2912	4.7321	10.6453
		31	1.9558	7.3823	25.658	7.4674	326.48	4.2912	4.7338	10.6645
	Aug.	1	1.9558	7.3830	25.742	7.4660	326.55	4.2979	4.7322	10.6868
		2	1.9558	7.3815	25.763	7.4660	326.96	4.3014	4.7345	10.7223
		5	1.9558	7.3805	25.776	7.4658	326.99	4.3142	4.7325	10.7603
		6	1.9558	7.3840	25.727	7.4644	325.35	4.3119	4.7300	10.7267
		7	1.9558	7.3823	25.719	7.4631	325.38	4.3174	4.7308	10.7673

* 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	
0.85930	1.5970	4.4095	1.5064	7.5508	8.7958	137.40	77.7820	2019 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	
0.89928	1.6210	4.2585	1.4713	7.7227	8.7692	141.90	76.9510	10	
0.89790	1.6154	4.2169	1.4735	7.7477	8.8264	141.90	77.1495	11	
0.89788	1.6102	4.2271	1.4667	7.7432	8.8033	141.90	77.2420	12	
0.89873	1.6023	4.2100	1.4684	7.7484	8.8201	141.70	77.2205	15	
0.90260	1.5955	4.2210	1.4643	7.7187	8.7736	141.70	77.0870	16	
0.90340	1.6009	4.2183	1.4654	7.7131	8.7636	141.50	77.2335	17	
0.89853	1.5944	4.2164	1.4650	7.7168	8.7654	141.10	77.2775	18	
0.89635	1.5913	4.1889	1.4655	7.7217	8.7621	140.30	77.2545	19	
0.89968	1.5912	4.1983	1.4665	7.7168	8.7585	139.90	77.3085	22	
0.89830	1.5898	4.1878	1.4691	7.6856	8.7266	139.90	77.0150	23	
0.89143	1.5960	4.1948	1.4627	7.6588	8.7038	135.90	76.8285	24	
0.88963	1.5943	4.1771	1.4591	7.6393	8.6851	135.90	76.6750	25	
0.89633	1.6082	4.2053	1.4680	7.6609	8.7078	135.70	76.7400	26	
0.90443	1.6110	4.2104	1.4645	7.6648	8.6937	135.90	76.4740	29	
0.91653	1.6189	4.2237	1.4691	7.6761	8.7259	135.10	76.7575	30	
0.91623	1.6175	4.2180	1.4662	7.6743	8.7289	134.70	76.6965	31	
0.91150	1.6135	4.2223	1.4602	7.6177	8.6367	136.10	76.2720	Aug. 1	
0.91505	1.6365	4.2958	1.4698	7.7058	8.6924	136.30	77.3400	2	
0.91880	1.6520	4.3805	1.4775	7.8705	8.7638	136.30	79.1529	5	
0.91830	1.6467	4.4099	1.4785	7.8521	8.7670	136.50	79.2150	6	
0.92353	1.6628	4.4438	1.4920	7.8957	8.7834	136.50	79.4020	7	

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

1. Daily rates (cont'd)

EUR 1 = CU ...

		Other European and non-European countries (cont'd)									
		Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway		
		Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK		
2019	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	
		10	15,853.86	4.0080	122.20	1,325.21	4.6434	21.5421	1.6997	9.6930	
		11	15,872.35	4.0025	121.94	1,324.03	4.6443	21.5886	1.6889	9.6323	
		12	15,794.71	3.9964	121.83	1,326.69	4.6284	21.4670	1.6871	9.6208	
		15	15,712.00	3.9870	121.62	1,329.00	4.6299	21.3466	1.6751	9.6223	
		16	15,644.86	3.9793	121.13	1,322.95	4.6069	21.3118	1.6693	9.5933	
		17	15,678.57	3.9731	121.42	1,324.68	4.6144	21.3942	1.6679	9.6220	
		18	15,669.87	3.9742	120.89	1,321.30	4.6143	21.3786	1.6640	9.6438	
	19	15,662.52	3.9700	120.93	1,319.12	4.6107	21.3542	1.6582	9.6138		
	22	15,639.32	3.9622	121.03	1,320.34	4.6127	21.3416	1.6543	9.6275		
	23	15,598.63	3.9509	120.82	1,317.02	4.6016	21.3081	1.6605	9.6810		
	24	15,568.15	3.9240	120.41	1,311.47	4.5831	21.3211	1.6613	9.6355		
	25	15,535.99	3.9187	120.15	1,312.16	4.5733	21.1145	1.6596	9.6058		
	26	15,568.70	3.9172	121.06	1,317.79	4.5904	21.2038	1.6767	9.6913		
	29	15,588.84	3.9213	120.81	1,316.82	4.5866	21.2046	1.6796	9.6935		
	30	15,637.91	3.8937	121.00	1,317.25	4.6010	21.2437	1.6855	9.7368		
	31	15,639.30	3.8951	121.04	1,318.25	4.6015	21.2005	1.6883	9.7778		
Aug.		1	15,623.97	3.8864	120.18	1,313.68	4.5734	21.2057	1.6856	9.8120	
		2	15,772.45	3.8786	118.57	1,333.44	4.6173	21.4542	1.7026	9.9105	
		5	16,006.70	3.9012	118.61	1,359.84	4.6724	21.8221	1.7138	9.9720	
		6	15,958.26	3.9088	119.10	1,357.32	4.6840	21.8702	1.7073	9.9545	
		7	15,941.29	3.8996	118.48	1,361.74	4.6925	21.9583	1.7411	9.9960	

* 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	
58.023	73.2535	1.5259	16.2178	1.1419	35.906	6.6872	1.1212	2019 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
57.756	71.2695	1.5270	15.8875	1.1133	34.586	6.4398	1.1220	10
57.803	70.9968	1.5288	15.6500	1.1114	34.549	6.3917	1.1285	11
57.559	70.9895	1.5308	15.7072	1.1087	34.789	6.4331	1.1253	12
57.506	70.5998	1.5283	15.6215	1.1071	34.816	6.4258	1.1269	15
57.114	70.3975	1.5234	15.5709	1.1075	34.662	6.4002	1.1223	16
57.342	70.4625	1.5273	15.6611	1.1095	34.705	6.3797	1.1215	17
57.324	70.6478	1.5261	15.6932	1.1064	34.635	6.3852	1.1216	18
57.283	70.7370	1.5259	15.6369	1.1033	34.570	6.3356	1.1226	19
57.321	70.6525	1.5260	15.5802	1.1007	34.593	6.3722	1.1215	22
57.128	70.5611	1.5238	15.4992	1.0985	34.519	6.3534	1.1173	23
56.964	70.3192	1.5196	15.5004	1.0982	34.428	6.3820	1.1140	24
56.797	70.1249	1.5179	15.4679	1.0989	34.306	6.3011	1.1115	25
56.810	70.3184	1.5242	15.7656	1.1053	34.411	6.2613	1.1138	26
56.720	70.6300	1.5250	15.8158	1.1037	34.308	6.2560	1.1119	29
56.701	70.5654	1.5283	15.7801	1.1038	34.360	6.2005	1.1154	30
56.685	70.8041	1.5261	15.8634	1.1041	34.273	6.1610	1.1151	31
56.502	70.5770	1.5178	15.9959	1.0988	34.099	6.1516	1.1037	Aug. 1
57.307	72.5055	1.5290	16.3271	1.0931	34.157	6.2221	1.1106	2
58.191	72.6588	1.5453	16.6794	1.0893	34.435	6.1990	1.1182	5
58.269	72.7977	1.5441	16.5635	1.0919	34.394	6.1906	1.1187	6
58.562	73.0455	1.5490	16.7546	1.0921	34.485	6.1614	1.1202	7

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

2. Monthly averages +

EUR 1 = CU ...

Period	EU member countries									Other European
	Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden	United Kingdom	Australia
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD
2014 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
July	1.9558	7.3903	25.548	7.4656	325.27	4.2596	4.7286	10.5604	0.89942	1.6061

* 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		Period
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		
3.0388	1.4728	8.4698	10.5365	–	81.2046	16,167.87	4.6966	138.72	1,385.45	4.3760		2014 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
4.2416	1.4693	7.7151	8.7638	139.87	77.1279	15,745.50	3.9758	121.41	1,320.29	4.6258		July

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

2. Monthly averages + (cont'd)

EUR 1 = CU ...

Period	Other European and non-European countries (cont'd)										
	Mexico Mexican peso MXN	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United States US dollar USD
2014 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
July	21.3614	1.6790	9.6587	57.338	70.9068	1.5268	15.7412	1.1076	34.550	6.3528	1.1218

* 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)										
Period	China Chinese yuan renminbi CNY ¹	Hong Kong Hong Kong dollar HKD	Iceland Icelandic krona ISK ²	India Indian rupee INR ³	Indonesia Indonesian rupiah IDR ¹	Israel New shekel ILS ⁴	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR ¹	Mexico 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)										
Period	New Zealand New Zealand dollar NZD	Norway Norwegian krona NOK	Philippines Philippine peso PHP ¹	Russian Federation Russian rouble RUB ¹	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB ¹	Turkey Turkish lira ⁶	United States 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: July 2019. ² Last updated: 7 August 2019.

III. Effective exchange rates of the euro *

1. Annual and monthly averages

Q1 1999 = 100

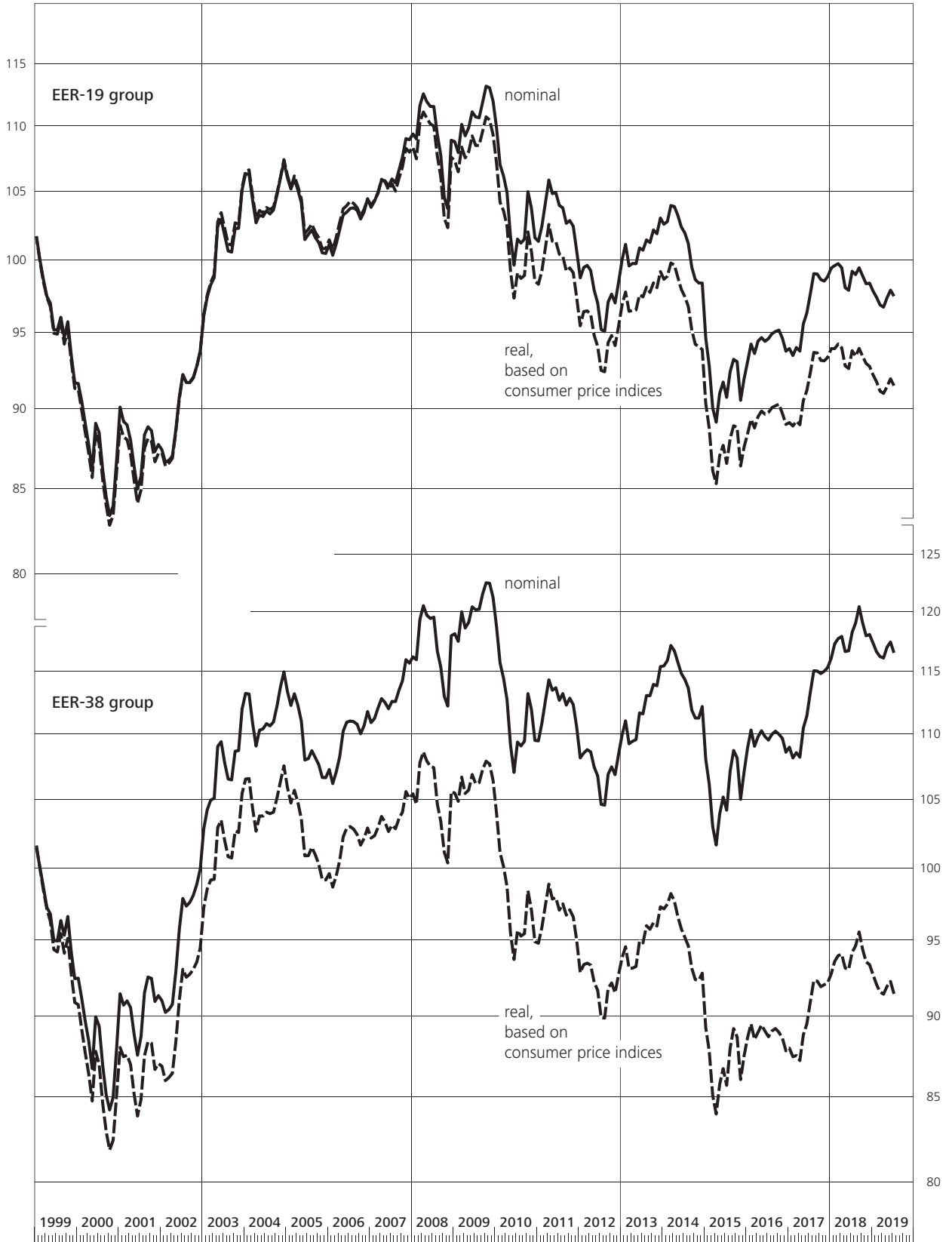
Period	Effective exchange rate of the euro vis-à-vis the currencies of the group ¹				Memo item: Indicators of the German economy's price competitiveness based on consumer price indices vis-à-vis					
	EER-19		EER-38 ²		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based 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	103.2	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	97.5	98.7	94.2	106.0	93.6	92.0	
2011	103.3	100.0	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	98.0	94.4	103.3	90.3	p 90.4	
2015 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	87.6	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	88.8	109.0	p 88.5	95.1	94.1	96.3	87.6	p 87.2	
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	89.7	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	88.3	p 87.6	
Nov.	94.6	89.7	109.6	p 88.6	95.4	94.2	97.0	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	95.0	94.2	96.0	87.6	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	91.1	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	93.6	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 92.2	98.1	94.5	103.6	90.3	p 89.8	
2018 Jan.	99.4	93.9	116.1	p 92.8	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 94.0	98.5	94.4	104.9	90.7	p 90.4	
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	98.1	94.5	103.6	90.1	p 90.0	
June	97.9	92.6	116.7	p 93.0	97.8	94.5	102.8	89.9	p 90.0	
July	99.2	93.8	118.2	p 94.2	97.6	94.2	102.9	90.3	p 90.4	
Aug.	99.0	93.4	119.0	p 94.6	97.5	94.3	102.4	90.2	p 90.6	
Sep.	99.5	93.9	120.4	p 95.5	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 93.4	97.4	94.5	101.9	90.0	p 90.3	
2019 Jan.	97.8	92.2	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	91.1	116.2	p 91.6	96.5	94.1	100.2	88.8	p 88.9	
Apr.	96.7	p 91.0	116.1	p 91.4	96.9	94.5	100.5	p 89.1	p 89.2	
May	97.4	p 91.4	117.0	p 91.9	97.0	94.5	100.6	p 89.4	p 89.6	
June	97.9	p 91.9	117.4	p 92.2	97.2	94.6	101.2	p 89.7	p 89.8	
July	97.5	p 91.5	116.5	p 91.4	p 97.1	p 94.5	p 100.9	p 89.4	p 89.3	

* 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			
					May 2019	June 2019	July 2019	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 72.3703	AFN 79.3153	AFN 80.6782	AFN 78.8875	
		S	USD 1 =	AFN 72.4703	AFN 79.4153	AFN 80.7782	AFN 78.9875	
	AFN	B	EUR 1 =	AFN 85.1413	AFN 88.2571	AFN 91.5029	AFN 88.1750	
		S	EUR 1 =	AFN 85.4013	AFN 88.5171	AFN 91.7629	AFN 88.4350	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 107.90	ALL 109.97	ALL 107.69	ALL 109.07
M			EUR 1 =	ALL 127.49	ALL 122.63	ALL 122.65	ALL 121.64	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 116.6712	DZD 119.6793	DZD 118.6884	DZD 119.6740	
		S	USD 1 =	DZD 116.6862	DZD 119.6943	DZD 118.7034	DZD 119.6890	
	DZD	B	EUR 1 =	DZD 137.5913	DZD 133.5262	DZD 134.8538	DZD 133.2450	
		S	EUR 1 =	DZD 137.6362	DZD 133.5669	DZD 134.9064	DZD 133.2737	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 258.279	AOA 328.793	AOA 338.562	AOA 347.817	
		S	USD 1 =	AOA 259.059	AOA 332.114	AOA 341.982	AOA 351.330	
	AOA	B	EUR 1 =	AOA 303.343	AOA 366.637	AOA 385.453	AOA 387.781	
		S	EUR 1 =	AOA 304.296	AOA 370.207	AOA 389.312	AOA 391.557	
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 2.9976	XCD 3.0592	XCD 2.9976	
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0296	XCD 3.0918	XCD 3.0296	
Argentina								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 27.9603	ARS 44.5600	ARS 42.2630	ARS 43.6800	
		S	USD 1 =	ARS 28.0933	ARS 44.7600	ARS 42.4630	ARS 43.8800	
	ARS	B	EUR 1 =	ARS 32.7610	ARS 49.7067	ARS 47.9896	ARS 48.5023	
		S	EUR 1 =	ARS 32.9871	ARS 50.0417	ARS 48.3229	ARS 48.8341	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 483.02	AMD 480.10	AMD 477.11	AMD 475.81	
		M	EUR 1 =	AMD 570.42	AMD 535.41	AMD 543.19	AMD 530.28	
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 198.52	AWG 202.64	AWG 198.54	
		S	EUR 100 =	AWG 212.25	AWG 200.52	AWG 204.68	AWG 200.54	

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		
					May 2019	June 2019	July 2019
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7479	USD 0.6916	USD 0.7013	USD 0.6894
		M	AUD 1 =	EUR 0.6313	EUR 0.6214	EUR 0.6171	EUR 0.6179
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
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 1.8918	AZN 1.9318	AZN 1.8964
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 1.10952	BSD 1.13231	BSD 1.10952
		V, S	EUR 1 =	BSD 1.19576	BSD 1.12904	BSD 1.15223	BSD 1.12904
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 0.4073030	BHD 0.4157905	BHD 0.4075455
		S	EUR 1 =	BHD 0.4578762	BHD 0.4324970	BHD 0.4415095	BHD 0.4327545
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 83.5083	BDT 84.5000	BDT 84.5000	BDT 84.5000
		S	USD 1 =	BDT 83.5125	BDT 84.5000	BDT 84.5000	BDT 84.5000
		B	EUR 1 =	BDT 98.2612	BDT 94.3612	BDT 96.0596	BDT 93.5753
		S	EUR 1 =	BDT 98.2898	BDT 94.3950	BDT 96.0934	BDT 93.6007
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 2.21754	BBD 2.26384	BBD 2.22183
		S	EUR 1 =	BBD 2.39134	BBD 2.25912	BBD 2.30628	BBD 2.26348
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.0439	BYN 2.0953	BYN 2.0433	BYN 2.0348
		M	EUR 1 =	BYN 2.4113	BYN 2.3330	BYN 2.3251	BYN 2.2668

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		
					May 2019	June 2019	July 2019
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
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 2.2119	BZD 2.2561	BZD 2.2087	
	S	EUR 1 =	BZD 2.3777	BZD 2.2509	BZD 2.2959	BZD 2.2477	
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 576.412	XOF 588.249
	XOF	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 1.1106	BMD 1.1334	BMD 1.1106	
	V, S	EUR 1 =	BMD 1.1861	BMD 1.1199	BMD 1.1429	BMD 1.1199	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 67.47	BTN 68.90	BTN 68.10	BTN 67.85
		S	USD 1 =	BTN 69.63	BTN 71.00	BTN 70.20	BTN 69.95
	B	EUR 1 =	BTN 79.54	BTN 76.70	BTN 77.35	BTN 75.55	
	S	EUR 1 =	BTN 81.75	BTN 78.80	BTN 79.55	BTN 77.60	
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 7.6496	BOB 7.8067	BOB 7.6496	
	V, S	EUR 1 =	BOB 8.2178	BOB 7.7611	BOB 7.9205	BOB 7.7611	
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.655251	BAM 1.752236	BAM 1.714359	BAM 1.749095
		S	USD 1 =	BAM 1.663548	BAM 1.761020	BAM 1.722953	BAM 1.757863
	BAM	³	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone 391	Pula = 100 thebe	B	BWP 1 =	USD 0.0982	USD 0.0922	USD 0.0943	USD 0.0936
		S	BWP 1 =	USD 0.0980	USD 0.0920	USD 0.0941	USD 0.0933
	B	BWP 1 =	EUR 0.0833	EUR 0.0826	EUR 0.0828	EUR 0.0839	
	S	BWP 1 =	EUR 0.0831	EUR 0.0824	EUR 0.0826	EUR 0.0837	

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		
					May 2019	June 2019	July 2019
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.6555	BRL 3.9401	BRL 3.8316	BRL 3.7643
		S	USD 1 =	BRL 3.6561	BRL 3.9407	BRL 3.8322	BRL 3.7649
	BRL	B	EUR 1 =	BRL 4.3257	BRL 4.3924	BRL 4.3577	BRL 4.1893
		S	EUR 1 =	BRL 4.3276	BRL 4.3939	BRL 4.3587	BRL 4.1907
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3412	BND 1.3712	BND 1.3438	BND 1.3619
		S	USD 1 =	BND 1.3596	BND 1.3894	BND 1.3621	BND 1.3800
	BND	B	EUR 1 =	BND 1.5653	BND 1.5123	BND 1.5137	BND 1.5044
		S	EUR 1 =	BND 1.6201	BND 1.5672	BND 1.5682	BND 1.5586
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.65820	BGN 1.75395	BGN 1.71866	BGN 1.75395
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
Burkina Faso ¹							
Ouagadougou 236	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 576.412	XOF 588.249
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Burundi							
Gitega 328	Burundi franc = 100 centimes BIF	B	USD 1 =	BIF 1,766.7631	BIF 1,821.2436	BIF 1,826.6886	BIF 1,832.8266
		S	USD 1 =	BIF 1,802.4553	BIF 1,858.0364	BIF 1,863.5914	BIF 1,869.8534
	BIF	B	EUR 1 =	BIF 2,084.1976	BIF 2,026.5888	BIF 2,076.9450	BIF 2,044.9763
		S	EUR 1 =	BIF 2,126.3026	BIF 2,067.5300	BIF 2,118.9034	BIF 2,086.2889
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos CVE	B	USD 1 =	CVE 93.368	CVE 98.933	CVE 96.878	CVE 98.756
		S	USD 1 =	CVE 93.570	CVE 99.135	CVE 97.080	CVE 98.958
	2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265	
Cambodia							
Phnom Penh 696	Riel = 100 sen KHR	M	USD 1 =	KHR 4,044	KHR 4,062	KHR 4,066	KHR 4,086
		B	EUR 1 =	KHR 4,766	KHR 4,523	KHR 4,624	KHR 4,558
	S	EUR 1 =	KHR 4,814	KHR 4,568	KHR 4,671	KHR 4,604	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 588.249	XAF 576.412	XAF 588.249
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Canada							
Ottawa 404	Canadian dollar = 100 cents CAD	M	USD 1 =	CAD 1.2957	CAD 1.3527	CAD 1.3087	CAD 1.3148
		M	EUR 1 =	CAD 1.5313	CAD 1.5098	CAD 1.4887	CAD 1.4627

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		
					May 2019	June 2019	July 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 0.9293	KYD 0.9483	KYD 0.9293
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 588.249	XAF 576.412	XAF 588.249
		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 588.249	XAF 576.412	XAF 588.249
		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 707.86	CLP 679.86	CLP 699.98
		M	EUR 1 =	CLP 756.15	CLP 788.18	CLP 772.92	CLP 780.79
China							
Beijing 720	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.6185	CNY 6.8992	CNY 6.8747	CNY 6.8841
		M	EUR 1 =	CNY 7.8113	CNY 7.6833	CNY 7.8170	CNY 7.6803
		M	HKD 1 =	CNY 0.84482	CNY 0.87913	CNY 0.87966	CNY 0.87984
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.110	TWD 31.550	TWD 31.010	TWD 31.040
		S	USD 1 =	TWD 30.210	TWD 31.650	TWD 31.110	TWD 31.140
		B	EUR 1 =	TWD 35.42	TWD 35.02	TWD 35.18	TWD 34.48
S	EUR 1 =	TWD 35.82	TWD 35.42	TWD 35.58	TWD 34.88		
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 2,958.634	COP 3,357.82	COP 3,197.23	COP 3,296.85
		V, M	EUR 1 =	COP 3,488.850	COP 3,744.305	COP 3,638.448	COP 3,676.317
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 416.56880	KMF 441.18711	KMF 432.30909	KMF 441.18711
		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 588.249	XAF 576.412	XAF 588.249
		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		
					May 2019	June 2019	July 2019
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,591.7807	CDF 1,609.8066	CDF 1,612.0476	CDF 1,612.9719
		S	USD 1 =	CDF 1,656.7522	CDF 1,675.5130	CDF 1,677.8455	CDF 1,678.8075
	CDF	B	EUR 1 =	CDF 1,876.6535	CDF 1,801.4987	CDF 1,821.8830	CDF 1,836.1523
		S	EUR 1 =	CDF 1,953.2516	CDF 1,875.0293	CDF 1,896.2456	CDF 1,911.0973
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.5993	EUR 0.5993	EUR 0.6044	EUR 0.6064
		S	NZD 1 =	EUR 0.5735	EUR 0.5730	EUR 0.5781	EUR 0.5799
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 575.06	CRC 584.11	CRC 576.72	CRC 567.11
		S	USD 1 =	CRC 581.56	CRC 590.54	CRC 583.64	CRC 573.46
	CRC	V, B	EUR 1 =	CRC 677.7717	CRC 651.3411	CRC 656.3074	CRC 632.3844
		V, S	EUR 1 =	CRC 685.4209	CRC 658.5112	CRC 664.1823	CRC 639.4652
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 576.412	XOF 588.249
		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 6.638573	HRK 6.478436	HRK 6.595187
		S	USD 1 =	HRK 6.297960	HRK 6.678525	HRK 6.517424	HRK 6.634877
	HRK	B	EUR 1 =	HRK 7.391647	HRK 7.396698	HRK 7.368574	HRK 7.350996
		S	EUR 1 =	HRK 7.436130	HRK 7.441212	HRK 7.412918	HRK 7.395234
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 1.10231	CUC 1.12528	CUC 1.10399
		S	EUR 1 =	CUC 1.19594	CUC 1.12459	CUC 1.14802	CUC 1.12631
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 198.53	ANG 202.65	ANG 198.55
		S	EUR 100 =	ANG 214.38	ANG 202.53	ANG 206.73	ANG 202.55
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 21.735	CZK 23.153	CZK 22.363	CZK 23.014
		M	EUR 1 =	CZK 25.677	CZK 25.817	CZK 25.445	CZK 25.660

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		
					May 2019	June 2019	July 2019
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 631.74	DKK 669.48	DKK 655.85	DKK 669.66
		M	EUR 100 =	DKK 745.32	DKK 746.87	DKK 746.36	DKK 746.74
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 195.41	DJF 198.54	DJF 195.72
		S	EUR 1 =	DJF 215.40	DJF 203.03	DJF 208.35	DJF 203.36
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 2.9976	XCD 3.0592	XCD 2.9976
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0296	XCD 3.0918	XCD 3.0296
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 49.1931	DOP 50.2180	DOP 50.4456	DOP 50.6806
		S	USD 1 =	DOP 49.6149	DOP 50.6320	DOP 50.8970	DOP 51.1545
		B	EUR 1 =	DOP 57.5023	DOP 55.6056	DOP 56.5227	DOP 56.0940
		S	EUR 1 =	DOP 60.8134	DOP 58.7951	DOP 59.8023	DOP 59.6480
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 17.7158	EGP 16.75	EGP 16.65	EGP 16.53
		S	USD 1 =	EGP 17.8158	EGP 16.85	EGP 16.75	EGP 16.63
		B	EUR 1 =	EGP 20.8527	EGP 18.6361	EGP 18.8961	EGP 18.2921
		S	EUR 1 =	EGP 21.1017	EGP 18.8366	EGP 19.0632	EGP 18.5624
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 9.7571	SVC 9.9575	SVC 9.7571
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 588.249	XAF 576.412	XAF 588.249
		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 16.7055	ERN 17.0685	ERN 16.6875
		S	EUR 1 =	ERN 18.3530	ERN 17.3417	ERN 17.7047	ERN 17.3237
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151

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		
					May 2019	June 2019	July 2019
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 27.4629	ETB 28.7739	ETB 28.9109	ETB 29.0308
		S	USD 1 =	ETB 28.0122	ETB 29.3494	ETB 29.4891	ETB 29.6114
	ETB	B	EUR 1 =	ETB 32.4260	ETB 32.0397	ETB 32.8746	ETB 32.3548
		S	EUR 1 =	ETB 33.0757	ETB 32.6805	ETB 33.5321	ETB 33.0019
Eswatini ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 13.2210	SZL 14.7714	SZL 14.1412	SZL 14.1473
		S	USD 1 =	SZL 13.2380	SZL 14.7775	SZL 14.1467	SZL 14.1521
	SZL	B	EUR 1 =	SZL 15.56690	SZL 16.4443	SZL 16.0918	SZL 15.7808
		S	EUR 1 =	SZL 15.59092	SZL 16.4525	SZL 16.0987	SZL 15.7876
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.74912	FKP 0.79538	FKP 0.78783	FKP 0.82166
		V	EUR 1 =	FKP 0.88471	FKP 0.88693	FKP 0.89655	FKP 0.91623
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4869	USD 0.4692	USD 0.4750	USD 0.4704
		S	FJD 1 =	USD 0.4699	USD 0.4522	USD 0.4580	USD 0.4534
	FJD	B	FJD 1 =	EUR 0.4112	EUR 0.4194	EUR 0.4159	EUR 0.4196
		S	FJD 1 =	EUR 0.3992	EUR 0.4074	EUR 0.4039	EUR 0.4076
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Gabon ¹							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 588.249	XAF 576.412	XAF 588.249
		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 49.64	GMD 49.71	GMD 49.93
		M	EUR 1 =	GMD 57.13	GMD 55.79	GMD 56.23	GMD 56.51
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.5403	GEL 2.8023	GEL 2.8791	GEL 2.9507
		M	EUR 1 =	GEL 2.9973	GEL 3.1209	GEL 3.2758	GEL 3.2889

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		
					May 2019	June 2019	July 2019
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas GHS	B S	USD 1 = USD 1 =	GHS 4.5987 GHS 4.6033	GHS 5.1985 GHS 5.2037	GHS 5.2564 GHS 5.2616	GHS 5.2544 GHS 5.2596
		B S	EUR 1 = EUR 1 =	GHS 5.4149 GHS 5.4191	GHS 5.7955 GHS 5.7992	GHS 5.9808 GHS 5.9855	GHS 5.8503 GHS 5.8553
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.74912 GIP 0.88471	GIP 0.79538 GIP 0.88693	GIP 0.78783 GIP 0.89655	GIP 0.82166 GIP 0.91623
Greece ¹							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Grenada							
St George's 473	East Caribbean dollar = 100 cents XCD	³ B ³ S	USD 1 = USD 1 =	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169
		V, B V, S	EUR 1 = EUR 1 =	XCD 3.1748 XCD 3.2087	XCD 2.9976 XCD 3.0296	XCD 3.0592 XCD 3.0918	XCD 2.9976 XCD 3.0296
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.53678 GTQ 8.88361	GTQ 7.72270 GTQ 8.61158	GTQ 7.70823 GTQ 8.77197	GTQ 7.68161 GTQ 8.56576
Guinea							
Conakry 260	Guinean franc GNF	M M	USD 1 = EUR 1 =	GNF 8,904.1667 GNF 10,490.7890	GNF 9,131.5298 GNF 10,215.4433	GNF 9,154.0000 GNF 10,408.1014	GNF 9,177.9053 GNF 10,237.0366
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V 4	USD 1 = EUR 1 =	XOF 555.425 XOF 655.957	XOF 588.249 XOF 655.957	XOF 576.412 XOF 655.957	XOF 588.249 XOF 655.957
Guyana							
Georgetown 488	Guyana dollar = 100 cents GYD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GYD 207.48 GYD 209.95 GYD 244.59 GYD 247.72	GYD 207.98 GYD 210.45 GYD 231.69 GYD 234.66	GYD 207.98 GYD 210.45 GYD 236.47 GYD 239.50	GYD 207.98 GYD 210.45 GYD 231.75 GYD 234.72

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		
					May 2019	June 2019	July 2019
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 68.5596	HTG 92.5356	HTG 93.0256	HTG 93.2599
		V, M	EUR 1 =	HTG 80.7298	HTG 103.1864	HTG 105.8631	HTG 103.9941
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 23.9317	HNL 24.4877	HNL 24.5076	HNL 24.5135
		S	USD 1 =	HNL 24.0992	HNL 24.6591	HNL 24.6792	HNL 24.6851
		V, B	EUR 1 =	HNL 28.2144	HNL 27.3062	HNL 27.8896	HNL 27.3350
		V, S	EUR 1 =	HNL 28.4119	HNL 27.4974	HNL 28.0849	HNL 27.5264
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.81855	HKD 7.82330	HKD 7.78760	HKD 7.80690
		S	USD 1 =	HKD 7.85902	HKD 7.86400	HKD 7.82830	HKD 7.84750
		B	EUR 1 =	HKD 9.21168	HKD 8.70304	HKD 8.84434	HKD 8.68094
		S	EUR 1 =	HKD 9.28494	HKD 8.78926	HKD 8.93076	HKD 8.76716
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 270.25	HUF 291.46	HUF 284.08	HUF 293.54
		M	EUR 1 =	HUF 319.90	HUF 324.92	HUF 323.54	HUF 327.15
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 107.965	ISK 123.76	ISK 124.16	ISK 120.57
		S	USD 1 =	ISK 108.479	ISK 124.36	ISK 124.76	ISK 121.15
		B	EUR 1 =	ISK 127.37	ISK 137.91	ISK 141.30	ISK 134.32
		S	EUR 1 =	ISK 128.30	ISK 138.69	ISK 142.10	ISK 135.08
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 68.3696	INR 69.8058	INR 68.9180	INR 68.8569
		M	EUR 1 =	INR 80.7937	INR 77.7288	INR 78.3579	INR 76.8420
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,176.33	IDR 14,313.00	IDR 14,070.00	IDR 13,956.00
		S	USD 1 =	IDR 14,319.00	IDR 14,457.00	IDR 14,212.00	IDR 14,096.00
		B	EUR 1 =	IDR 16,723.60	IDR 15,936.09	IDR 15,991.96	IDR 15,562.34
		S	EUR 1 =	IDR 16,895.44	IDR 16,097.87	IDR 16,159.04	IDR 15,724.09
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 46,781	IRR 47,754	IRR 46,849
		³ M	USD 1 =	IRR .	IRR 138,000	IRR 129,500	IRR 121,000
		³ M	EUR 1 =	IRR .	IRR 154,150	IRR 147,500	IRR 134,800

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			
					May 2019	June 2019	July 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 1,316.039	IQD 1,345.116	IQD 1,318.048
			S	EUR 1 =	IQD 1,400.610	IQD 1,324.946	IQD 1,354.220	IQD 1,326.969
		3	S	USD 1 =	IQD 1,204.65	IQD 1,192.461	IQD 1,193.615	IQD 1,194.086
V, S	S	EUR 1 =	IQD 1,420.96	IQD 1,329.71	IQD 1,358.33	IQD 1,331.53		
Ireland								
Dublin 007	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Israel								
Jerusalem 624	New shekel = 100 agorot ILS		M	USD 1 =	ILS 3.5970	ILS 3.6340	ILS 3.5660	ILS 3.4990
			M	EUR 1 =	ILS 4.2524	ILS 4.0489	ILS 4.0616	ILS 3.8997
Italy								
Rome 005	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Jamaica								
Kingston 464	Jamaican dollar = 100 cents JMD	B	S	USD 1 =	JMD 128.0409	JMD 132.0872	JMD 129.9708	JMD 135.0796
			S	USD 1 =	JMD 129.6176	JMD 133.5062	JMD 131.1039	JMD 136.6824
		B	S	EUR 1 =	JMD 146.23049	JMD 141.5641	JMD 141.0232	JMD 146.0595
			S	EUR 1 =	JMD 154.30423	JMD 152.1451	JMD 150.5247	JMD 152.2541
Japan								
Tokyo 732	Japanese yen = 100 sen JPY	B	S	USD 1 =	JPY 109.44	JPY 108.36	JPY 106.79	JPY 107.64
			S	USD 1 =	JPY 111.44	JPY 110.36	JPY 108.79	JPY 109.64
		B	S	EUR 1 =	JPY 128.51	JPY 120.24	JPY 120.99	JPY 119.69
			S	EUR 1 =	JPY 131.51	JPY 123.24	JPY 123.99	JPY 122.69
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 0.78765	JOD 0.80365	JOD 0.78900
			S	EUR 1 =	JOD 0.83920	JOD 0.79122	JOD 0.80890	JOD 0.79250
Kazakhstan ⁴								
Nur-Sultan 079	Tenge = 100 tiyn KZT		M	USD 1 =	KZT 346.62	KZT 381.37	KZT 380.53	KZT 384.56
			M	EUR 1 =	KZT 408.59	KZT 424.96	KZT 433.08	KZT 428.52

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		
					May 2019	June 2019	July 2019
Kenya ¹							
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 101.2370	KES 101.2556	KES 102.1983	KES 104.1139
		S	USD 1 =	KES 101.4372	KES 101.4556	KES 102.3983	KES 104.3056
	KES	B	EUR 1 =	KES 119.3664	KES 112.6783	KES 116.1806	KES 115.8172
		S	EUR 1 =	KES 119.6328	KES 112.9322	KES 116.4306	KES 116.0728
Korea, Democratic People's Republic of ²							
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 105.14	KPW 107.72	KPW 106.60	KPW 107.77
		S	USD 1 =	KPW 106.02	KPW 108.80	KPW 107.66	KPW 108.84
	KPW	B	EUR 1 =	KPW 123.85	KPW 120.28	KPW 121.50	KPW 120.17
		S	EUR 1 =	KPW 124.88	KPW 121.48	KPW 122.71	KPW 121.37
Korea, Republic of							
Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,091.21	KRW 1,179.90	KRW 1,144.20	KRW 1,171.50
		S	USD 1 =	KRW 1,112.71	KRW 1,203.10	KRW 1,166.80	KRW 1,194.50
	KRW	B	EUR 1 =	KRW 1,283.68	KRW 1,314.83	KRW 1,302.10	KRW 1,305.39
		S	EUR 1 =	KRW 1,309.60	KRW 1,341.39	KRW 1,328.40	KRW 1,331.75
Kuwait							
Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30068	KWD 0.30280	KWD 0.30195	KWD 0.30275
		S	USD 1 =	KWD 0.30428	KWD 0.30640	KWD 0.30555	KWD 0.30635
	KWD	B	EUR 1 =	KWD 0.354396	KWD 0.337804	KWD 0.343151	KWD 0.337566
		S	EUR 1 =	KWD 0.358627	KWD 0.341820	KWD 0.347242	KWD 0.341580
Kyrgyzstan							
Bishkek 083	Kyrgyz som = 100 tyiyn KGS	M	USD 1 =	KGS 68.8858	KGS 69.8500	KGS 69.4928	KGS 69.7504
		M	EUR 1 =	KGS 81.3869	KGS 77.7675	KGS 79.1488	KGS 77.7508
Lao People's Democratic Republic							
Vientiane 684	Kip	B	USD 1 =	LAK 8,408	LAK 8,646	LAK 8,648	LAK 8,682
		S	USD 1 =	LAK 8,433	LAK 8,661	LAK 8,663	LAK 8,697
	LAK	B	EUR 1 =	LAK 9,885	LAK 9,593	LAK 9,822	LAK 9,685
		S	EUR 1 =	LAK 9,931	LAK 9,638	LAK 9,868	LAK 9,731
Latvia							
Riga 054	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Lebanon							
Beirut 604	Lebanese pound = 100 piastres LBP	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50
		M	EUR 1 =	LBP 1,782.68	LBP 1,680.56	LBP 1,717.19	LBP 1,680.56
Lesotho ¹							
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 13.2646	LSL 14.7600	LSL 14.1444	LSL 14.2201
		M	EUR 1 =	LSL 15.6033	LSL 16.4630	LSL 16.1048	LSL 15.8554

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		
					May 2019	June 2019	July 2019
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 144.36	LRD 190.4927	LRD 195.6596	LRD 201.9520
		S	USD 1 =	LRD 145.23	LRD 191.5041	LRD 197.2402	LRD 203.2756
	LRD	V, B	EUR 1 =	LRD 169.8138	LRD 212.4184	LRD 222.6606	LRD 225.1967
		V, S	EUR 1 =	LRD 170.8374	LRD 213.5462	LRD 224.4593	LRD 226.6726
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3631	LYD 1.3995	LYD 1.3868	LYD 1.4009
		S	USD 1 =	LYD 1.3700	LYD 1.4065	LYD 1.3937	LYD 1.4080
	LYD	B	EUR 1 =	LYD 1.6066	LYD 1.5579	LYD 1.5772	LYD 1.5633
		S	EUR 1 =	LYD 1.6147	LYD 1.5657	LYD 1.5851	LYD 1.5711
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0672	MOP 8.0735	MOP 8.0373	MOP 8.0565
		S	USD 1 =	MOP 8.0921	MOP 8.0960	MOP 8.0598	MOP 8.0790
	MOP	B	EUR 1 =	MOP 9.5102	MOP 8.9916	MOP 9.1427	MOP 8.9747
		S	EUR 1 =	MOP 9.5588	MOP 9.0301	MOP 9.1812	MOP 9.0132
Macedonia, former Yugoslav Republic of ²							
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,340.90	MGA 3,645.82	MGA 3,603.82	MGA 3,649.10
		M	EUR 1 =	MGA 3,939.56	MGA 4,051.79	MGA 4,098.01	MGA 4,056.59
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 717.8509	MWK 739.6931	MWK 764.2345	MWK 734.3984
		S	USD 1 =	MWK 736.2822	MWK 761.4599	MWK 786.0941	MWK 755.5558
	MWK	B	EUR 1 =	MWK 847.2160	MWK 823.0566	MWK 869.3931	MWK 819.6621
		S	EUR 1 =	MWK 868.9726	MWK 847.2764	MWK 894.2607	MWK 843.2758
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 3.9706	MYR 4.1377	MYR 4.0833	MYR 4.0643
		S	USD 1 =	MYR 4.0991	MYR 4.2543	MYR 4.2017	MYR 4.1897
	MYR	B	EUR 1 =	MYR 4.6691	MYR 4.5930	MYR 4.6199	MYR 4.5147
		S	EUR 1 =	MYR 4.8499	MYR 4.7537	MYR 4.8027	MYR 4.6934

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		
					May 2019	June 2019	July 2019
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.40	MVR 15.41	MVR 15.41	MVR 15.37
		V, M	EUR 1 =	MVR 18.16330	MVR 17.18369	MVR 17.53658	MVR 17.13909
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 576.412	XOF 588.249
		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 1.1151	USD 1.1380	USD 1.1151
Mauritania							
Nouakchott 228	Ouguiya MRU	B	USD 1 =	MRU 35.61	MRU 36.54	MRU 36.61	MRU 36.57
		S	USD 1 =	MRU 35.97	MRU 36.90	MRU 36.98	MRU 36.93
		B	EUR 1 =	MRU 42.03	MRU 40.69	MRU 41.64	MRU 40.76
		S	EUR 1 =	MRU 42.45	MRU 41.10	MRU 42.05	MRU 41.17
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 33.6405	MUR 35.1982	MUR 35.0992	MUR 35.6641
		S	USD 1 =	MUR 34.6236	MUR 36.0979	MUR 35.9986	MUR 36.5636
		B	EUR 1 =	MUR 39.5707	MUR 39.0338	MUR 39.7540	MUR 39.6397
		S	EUR 1 =	MUR 40.7996	MUR 40.1474	MUR 40.8886	MUR 40.7607
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 19.2071	MXN 19.6485	MXN 19.1910	MXN 18.9955
		S	USD 1 =	MXN 19.2144	MXN 19.6555	MXN 19.1970	MXN 19.0000
		V, B	EUR 1 =	MXN 22.6936	MXN 21.9100	MXN 21.8394	MXN 21.1819
		V, S	EUR 1 =	MXN 22.7021	MXN 21.9178	MXN 21.8462	MXN 21.1869
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 16.8043	MDL 18.1860	MDL 18.1452	MDL 17.7366
		M	EUR 1 =	MDL 19.8400	MDL 20.2528	MDL 20.6484	MDL 19.7702
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,483.64	MNT 2,649.35	MNT 2,657.76	MNT 2,666.00
		M	EUR 1 =	MNT 2,928.63	MNT 2,952.30	MNT 3,026.39	MNT 2,973.26
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.3893	MAD 9.7204	MAD 9.5718	MAD 9.6123
		M	EUR 1 =	MAD 11.0887	MAD 10.8392	MAD 10.8956	MAD 10.7139

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		
					May 2019	June 2019	July 2019
Mozambique							
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 59.82	MZN 61.63	MZN 61.52	MZN 60.86
		S	USD 1 =	MZN 61.01	MZN 62.83	MZN 62.71	MZN 62.01
	MZN	B	EUR 1 =	MZN 70.66	MZN 68.66	MZN 70.04	MZN 67.87
		S	EUR 1 =	MZN 72.05	MZN 70.00	MZN 71.39	MZN 69.16
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,440.42	MMK 1,532.70	MMK 1,515.00	MMK 1,509.70
		M	EUR 1 =	MMK 1,695.58	MMK 1,708.70	MMK 1,725.30	MMK 1,682.60
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 13.2345	NAD 14.7930	NAD 14.1708	NAD 14.1861
		M	EUR 1 =	NAD 15.5835	NAD 16.4679	NAD 16.0996	NAD 15.8284
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 109.25	NPR 111.50	NPR 110.13	NPR 109.88
		S	USD 1 =	NPR 109.85	NPR 112.10	NPR 110.73	NPR 110.48
	NPR	B	EUR 1 =	NPR 128.90	NPR 124.18	NPR 125.30	NPR 122.49
		S	EUR 1 =	NPR 129.61	NPR 124.85	NPR 125.99	NPR 123.16
Netherlands							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
New Caledonia ¹							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.90	USD 9.34	USD 9.54	USD 9.34
		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 0.6649	USD 0.6848	USD 0.6741
		S	NZD 1 =	USD 0.6815	USD 0.6408	USD 0.6601	USD 0.6497
	NZD	B	NZD 1 =	EUR 0.5993	EUR 0.5993	EUR 0.6044	EUR 0.6064
		S	NZD 1 =	EUR 0.5735	EUR 0.5730	EUR 0.5781	EUR 0.5799
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 31.6153	NIO 32.9897	NIO 33.1222	NIO 33.2598
		V, M	EUR 1 =	NIO 37.26925	NIO 36.78681	NIO 37.69306	NIO 37.08800

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		
					May 2019	June 2019	July 2019
Niger ¹							
Niamey 240	CFA franc	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 576.412	XOF 588.249
	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 305.90	NGN 305.85
		S	USD 1 =	NGN 306.10	NGN 306.95	NGN 306.90	NGN 306.85
	NGN	B	EUR 1 =	NGN 360.3831	NGN 341.3484	NGN 348.0530	NGN 341.0228
		S	EUR 1 =	NGN 361.5644	NGN 342.4641	NGN 349.1908	NGN 342.1378
North Macedonia ¹							
Skopje 096	North Macedonia denar = 100 deni	B	USD 1 =	MKD 51.8497	MKD 54.9536	MKD 53.8851	MKD 54.8570
		S	USD 1 =	MKD 52.3708	MKD 55.5059	MKD 54.4266	MKD 55.4084
	MKD	B	EUR 1 =	MKD 61.2037	MKD 61.1853	MKD 61.2673	MKD 61.1875
		S	EUR 1 =	MKD 61.8188	MKD 61.8003	MKD 61.8831	MKD 61.8025
Norway							
Oslo 028	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.1037	NOK 8.7512	NOK 8.4742	NOK 8.7160
		S	USD 1 =	NOK 8.1687	NOK 8.8162	NOK 8.5462	NOK 8.7880
	NOK	B	EUR 1 =	NOK 9.5874	NOK 9.7451	NOK 9.6447	NOK 9.7229
		S	EUR 1 =	NOK 9.6594	NOK 9.8171	NOK 9.7237	NOK 9.8019
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 0.4276608	OMR 0.4366464	OMR 0.4283136
		S	EUR 1 =	OMR 0.4541107	OMR 0.4288515	OMR 0.4378605	OMR 0.4295060
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 121.67	PKR 148.00	PKR 164.00	PKR 159.75
		S	USD 1 =	PKR 121.90	PKR 148.50	PKR 164.50	PKR 160.25
	PKR	B	EUR 1 =	PKR 143.54	PKR 164.76	PKR 186.37	PKR 178.17
		S	EUR 1 =	PKR 143.80	PKR 165.32	PKR 186.99	PKR 178.77
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 1.1151	PAB 1.1380	PAB 1.1151
Papua New Guinea							
Port Moresby 801	Kina = 100 toea	B	PGK 1 =	USD 0.3108	USD 0.3030	USD 0.3030	USD 0.3020
		S	PGK 1 =	USD 0.2958	USD 0.2880	USD 0.2880	USD 0.2870
	PGK	B	PGK 1 =	EUR 0.2612	EUR 0.2689	EUR 0.2633	EUR 0.2674
		S	PGK 1 =	EUR 0.2462	EUR 0.2539	EUR 0.2483	EUR 0.2524

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		
					May 2019	June 2019	July 2019
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,727.98	PYG 6,269.27	PYG 6,183.21	PYG 5,994.48
		S	USD 1 =	PYG 5,739.88	PYG 6,278.13	PYG 6,197.68	PYG 6,003.89
	PYG	V, B	EUR 1 =	PYG 6,762.15	PYG 6,990.86	PYG 7,036.49	PYG 6,684.44
		V, S	EUR 1 =	PYG 6,776.14	PYG 7,000.74	PYG 7,052.96	PYG 6,694.94
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.285	PEN 3.367	PEN 3.285	PEN 3.308
		S	USD 1 =	PEN 3.289	PEN 3.370	PEN 3.290	PEN 3.310
	PEN	B	EUR 1 =	PEN 3.811	PEN 3.665	PEN 3.616	PEN 3.631
		S	EUR 1 =	PEN 4.000	PEN 3.970	PEN 3.922	PEN 3.801
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 52.48	PHP 51.90	PHP 50.90	PHP 50.55
		S	USD 1 =	PHP 52.98	PHP 52.40	PHP 51.40	PHP 51.05
	PHP	B	EUR 1 =	PHP 60.5284	PHP 56.2483	PHP 56.3191	PHP 54.8516
		S	EUR 1 =	PHP 63.7421	PHP 59.5281	PHP 59.6266	PHP 58.0870
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.6125	PLN 3.8498	PLN 3.7336	PLN 3.8504
		M	EUR 1 =	PLN 4.2669	PLN 4.2916	PLN 4.2520	PLN 4.2911
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
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 4.0590	QAR 4.1423	QAR 4.0590
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 3.9433	RON 4.2591	RON 4.1587	RON 4.2469
		M	EUR 1 =	RON 4.6558	RON 4.7487	RON 4.7351	RON 4.7336
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 62.9446	RUB 65.0583	RUB 63.0756	RUB 63.3791
		M	EUR 1 =	RUB 74.0611	RUB 72.4229	RUB 71.8179	RUB 70.5980

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		
					May 2019	June 2019	July 2019
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 853.180023	RWF 885.716905	RWF 889.390434	RWF 893.295183
		S	USD 1 =	RWF 870.241900	RWF 903.429453	RWF 907.176446	RWF 911.159283
	RWF	B	EUR 1 =	RWF 1,008.609844	RWF 985.758629	RWF 1,010.614350	RWF 996.649436
S		EUR 1 =	RWF 1,028.780004	RWF 1,005.471810	RWF 1,030.824596	RWF 1,016.580412	
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.74912	SHP 0.79538	SHP 0.78783	SHP 0.82166
		V	EUR 1 =	SHP 0.88471	SHP 0.88693	SHP 0.89655	SHP 0.91623
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 2.9976	XCD 3.0592	XCD 2.9976
V, S		EUR 1 =	XCD 3.2087	XCD 3.0296	XCD 3.0918	XCD 3.0296	
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 2.9976	XCD 3.0592	XCD 2.9976
V, S		EUR 1 =	XCD 3.2087	XCD 3.0296	XCD 3.0918	XCD 3.0296	
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 2.9976	XCD 3.0592	XCD 2.9976
V, S		EUR 1 =	XCD 3.2087	XCD 3.0296	XCD 3.0918	XCD 3.0296	
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.38875	USD 0.37550	USD 0.38013	USD 0.37713
		M	WST 1 =	EUR 0.32973	EUR 0.33721	EUR 0.33439	EUR 0.33804
Sao Tome and Principe							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 20.7647	STN 22.0047	STN 21.5479	STN 21.9652
		S	USD 1 =	STN 21.0762	STN 22.3347	STN 21.8712	STN 22.2947
	STN	4	EUR 1 =	STN 24.5000	STN 24.5000	STN 24.5000	STN 24.5000
Saudi Arabia							
Riyadh 632	Saudi riyal = 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 4.1724	SAR 4.2705	SAR 4.1773

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		
					May 2019	June 2019	July 2019
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 576.412	XOF 588.249
	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 105.6726	RSD 103.4572	RSD 105.2194
		S	USD 1 =	RSD 100.5496	RSD 106.3086	RSD 104.0798	RSD 105.8526
	RSD	B	EUR 1 =	RSD 117.9053	RSD 117.6030	RSD 117.5584	RSD 117.3933
		S	EUR 1 =	RSD 118.6148	RSD 118.3108	RSD 118.2658	RSD 118.0997
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.7032	SCR 13.9458	SCR 13.8459	SCR 13.7773
		S	USD 1 =	SCR 14.0698	SCR 14.1639	SCR 14.1754	SCR 14.1317
	SCR	B	EUR 1 =	SCR 16.2129	SCR 15.5702	SCR 15.7911	SCR 15.4220
		S	EUR 1 =	SCR 16.6326	SCR 15.7793	SCR 16.1037	SCR 15.7958
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 7,878.57	SLL 8,697.19	SLL 8,737.51	SLL 8,866.37
		S	USD 1 =	SLL 8,037.73	SLL 8,872.89	SLL 8,914.02	SLL 9,045.48
	SLL	B	EUR 1 =	SLL 9,290.70	SLL 9,689.31	SLL 9,944.80	SLL 9,892.98
		S	EUR 1 =	SLL 9,475.79	SLL 9,884.61	SLL 10,143.32	SLL 10,087.18
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3486	SGD 1.3789	SGD 1.3535	SGD 1.3694
		M	EUR 1 =	SGD 1.5915	SGD 1.5348	SGD 1.5383	SGD 1.5275
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 198.53	ANG 202.65	ANG 198.55
		S	EUR 100 =	ANG 214.38	ANG 202.53	ANG 206.73	ANG 202.55
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1255	USD 0.1223	USD 0.1225	USD 0.1220
		M	SBD 1 =	EUR 0.10644	EUR 0.10990	EUR 0.10780	EUR 0.10950

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		
					May 2019	June 2019	July 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 14.4575	ZAR 13.9413	ZAR 14.0288
		S	USD 1 =	ZAR 13.4218	ZAR 14.7750	ZAR 14.2588	ZAR 14.3463
	ZAR	B	EUR 1 =	ZAR 15.3622	ZAR 16.0978	ZAR 15.8444	ZAR 15.5955
		S	EUR 1 =	ZAR 15.8001	ZAR 16.5317	ZAR 16.2804	ZAR 16.0291
South Sudan							
Juba 225	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 142.3526	SSP 158.1586	SSP 158.6628	SSP 159.1456
		M	EUR 1 =	SSP 167.7415	SSP 176.0859	SSP 180.3998	SSP 176.9704
SSP							
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1380	USD 1.1151
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 161.0435	LKR 174.3163	LKR 174.6059	LKR 174.3269
		S	USD 1 =	LKR 164.6315	LKR 178.2672	LKR 178.3574	LKR 177.9768
	LKR	B	EUR 1 =	LKR 188.8604	LKR 192.8184	LKR 197.2812	LKR 193.2255
		S	EUR 1 =	LKR 195.5350	LKR 199.8406	LKR 204.0475	LKR 199.7739
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 50.1093	SDG 51.1799	SDG 50.1993
		S	EUR 1 =	SDG 29.7310	SDG 50.3598	SDG 51.4357	SDG 50.4503
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 8.225	SRD 8.399	SRD 8.249
		S	EUR 1 =	SRD 8.866	SRD 8.353	SRD 8.530	SRD 8.388
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.6396	SEK 9.4980	SEK 9.2188	SEK 9.5112
		S	USD 1 =	SEK 8.7446	SEK 9.6030	SEK 9.3238	SEK 9.6162
	SEK	B	EUR 1 =	SEK 10.2389	SEK 10.5801	SEK 10.5006	SEK 10.6096
		S	EUR 1 =	SEK 10.3539	SEK 10.6951	SEK 10.6156	SEK 10.7246

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		
					May 2019	June 2019	July 2019
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9783	CHF 1.0053	CHF 0.9740	CHF 0.9906
		B	EUR 1 =	CHF 1.1520	CHF 1.1208	CHF 1.1093	CHF 1.1040
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 434.00	SYP 434.00	SYP 434.00	SYP 435.00
		S	USD 1 =	SYP 438.30	SYP 438.34	SYP 438.34	SYP 438.00
		B	EUR 1 =	SYP 513.32	SYP 483.23	SYP 493.53	SYP 485.14
		S	EUR 1 =	SYP 518.41	SYP 488.07	SYP 498.46	SYP 488.55
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 9.1637	TJS 9.4398	TJS 9.4396	TJS 9.4397
		M	EUR 1 =	TJS 10.8116	TJS 10.5122	TJS 10.7432	TJS 10.5215
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 2,277.1683	TZS 2,278.1188	TZS 2,277.7822
		S	USD 1 =	TZS 2,277.1533	TZS 2,299.9400	TZS 2,300.9000	TZS 2,300.5600
		B	EUR 1 =	TZS 2,661.7781	TZS 2,535.1715	TZS 2,589.0820	TZS 2,539.0438
		S	EUR 1 =	TZS 2,689.1558	TZS 2,561.2132	TZS 2,615.8932	TZS 2,565.3545
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 32.1291	THB 31.5882	THB 30.5733	THB 30.6251
		S	USD 1 =	THB 32.4704	THB 31.9223	THB 30.9152	THB 30.9679
		B	EUR 1 =	THB 37.7262	THB 35.0010	THB 34.5912	THB 33.9847
		S	EUR 1 =	THB 38.4623	THB 35.7146	THB 35.3056	THB 34.6843
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 576.412	XOF 588.249
		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 0.4354	USD 0.4395	USD 0.4364
		M	TOP 1 =	EUR 0.3777	EUR 0.3900	EUR 0.3855	EUR 0.3904
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7317	TTD 6.7210	TTD 6.7334	TTD 6.7211
		S	USD 1 =	TTD 6.7630	TTD 6.7600	TTD 6.7617	TTD 6.7585
		B	EUR 1 =	TTD 7.8811	TTD 7.4260	TTD 7.7462	TTD 7.4156
		S	EUR 1 =	TTD 8.4568	TTD 7.9457	TTD 8.1187	TTD 7.9927

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		
					May 2019	June 2019	July 2019
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.6373	TND 2.9834	TND 2.8744	TND 2.8780
			USD 1 =	TND 2.6400	TND 2.9864	TND 2.8773	TND 2.8808
	TND	B S	EUR 1 =	TND 3.1069	TND 3.3248	TND 3.2730	TND 3.2086
			EUR 1 =	TND 3.1100	TND 3.3282	TND 3.2762	TND 3.2119
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 4.8094	TRY 5.9235	TRY 5.7665	TRY 5.5709
			USD 1 =	TRY 4.8180	TRY 5.9342	TRY 5.7769	TRY 5.5810
	TRY	B S	EUR 1 =	TRY 5.6804	TRY 6.5966	TRY 6.5571	TRY 6.2088
			EUR 1 =	TRY 5.6906	TRY 6.6084	TRY 6.5689	TRY 6.2199
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 3.8976	TMT 3.9848	TMT 3.8990
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,728.14	UGX 3,754.00	UGX 3,690.29	UGX 3,696.67
			USD 1 =	UGX 3,738.14	UGX 3,764.00	UGX 3,700.29	UGX 3,706.67
	UGX	B S	EUR 1 =	UGX 4,393.75	UGX 4,183.19590	UGX 4,197.80457	UGX 4,115.18424
			EUR 1 =	UGX 4,405.54	UGX 4,194.33920	UGX 4,209.17984	UGX 4,126.31638
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok	M	USD 100 =	UAH 2,721.1273	UAH 2,687.2573	UAH 2,616.6382	UAH 2,508.5516
			EUR 100 =	UAH 3,212.2821	UAH 2,991.9923	UAH 2,973.0243	UAH 2,798.0385
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 4.0952	AED 4.1793	AED 4.0952
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M	GBP 1 =	USD 1.3350	USD 1.2602	USD 1.2728	USD 1.2246
			EUR 1 =	GBP 0.8854	GBP 0.8842	GBP 0.8948	GBP 0.9092
United States							
Washington 400	US dollar = 100 cents	M	EUR 1 =	USD 1.17793	USD 1.1167	USD 1.1368	USD 1.1074
			GBP 1 =	USD 1.33458	USD 1.2631	USD 1.2693	USD 1.2157

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		
					May 2019	June 2019	July 2019
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 30.739	UYU 35.252	UYU 35.182	UYU 34.350
		M	EUR 1 =	UYU 36.2340	UYU 39.3835	UYU 40.0142	UYU 38.0924
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 8,070.28	UZS 8,485.91	UZS 8,562.34	UZS 8,666.71
		M	EUR 1 =	UZS 9,528.90	UZS 9,505.92	UZS 9,731.96	UZS 9,641.71
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 108.58	VUV 113.27	VUV 111.93	VUV 113.26
		S	USD 1 =	VUV 115.41	VUV 120.79	VUV 119.37	VUV 120.78
		B	EUR 1 =	VUV 128.83	VUV 127.16	VUV 128.32	VUV 127.41
		S	EUR 1 =	VUV 134.09	VUV 132.42	VUV 133.63	VUV 132.68
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	.	² VES 5,873.2448	VES 6,716.4553	VES 11,236.320
		S	USD 1 =	.	² VES 5,887.9647	VES 6,733.2885	VES 11,264.481
		B	EUR 1 =	.	² VES 6,552.0744	VES 7,637.2813	VES 12,503.103
		S	EUR 1 =	.	² VES 6,568.6134	VES 7,659.1157	VES 12,534.664
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,007	VND 23,355	VND 23,230	VND 23,140
		S	USD 1 =	VND 23,085	VND 23,475	VND 23,350	VND 23,260
		B	EUR 1 =	VND 27,033.98	VND 25,941.88	VND 26,363.34	VND 25,709.87
		S	EUR 1 =	VND 27,460.82	VND 26,693.46	VND 27,180.63	VND 26,507.63
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 278.31	YER 284.25	YER 278.90
		S	EUR 1 =	YER 295.02	YER 278.87	YER 284.82	YER 279.46
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 10.5868	ZMW 13.2429	ZMW 12.8079	ZMW 12.8613
		S	USD 1 =	ZMW 10.6368	ZMW 13.2929	ZMW 12.8579	ZMW 12.9113
		B	EUR 1 =	ZMW 12.4529	ZMW 14.7658	ZMW 14.5716	ZMW 14.3365
		S	EUR 1 =	ZMW 12.5160	ZMW 14.8269	ZMW 14.6336	ZMW 14.3999
Zimbabwe ¹							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	.	ZWL 5.2635	ZWL 6.6220	ZWL 9.1856
		M	EUR 1 =	.	ZWL 5.85850	ZWL 7.52445	ZWL 10.24740

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.

V. Value of the special drawing right in selected currencies *

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

SDR 1 ¹ = CU ...

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
1999	1.37251	1.36467	11.3508	140.111	0.848150	1.98094	2.19297	10.1549	11.0218	11.6873
2000	1.30291	1.40022	10.7847	149.704	0.873149	1.95462	2.13221	10.4500	11.5288	12.4232
2001	1.25673	1.42474	10.3925	165.491	0.866469	2.00147	2.10605	10.5685	11.3251	13.3943
2002	1.35952	1.29639	11.2123	162.414	0.843483	2.14750	1.88539	9.62844	9.47006	11.9542
2003	1.48597	1.17654	12.2989	158.575	0.832619	1.92047	1.83800	8.82099	9.91886	10.7715
2004	1.55301	1.14016	12.8107	161.161	0.804085	1.86920	1.75738	8.46296	9.37796	10.2351
2005	1.42927	1.21155	11.5345	168.610	0.830055	1.66418	1.87848	9.03881	9.67427	11.3363
2006	1.50440	1.14229	11.7474	178.948	0.766377	1.75308	1.83582	8.51702	9.41017	10.3390
2007	1.58025	1.07346	11.5302	179.947	0.788780	1.56144	1.77857	8.02021	8.55074	10.2088
2008	1.54027	1.10675	10.5271	140.464	1.056570	1.88621	1.63839	8.18003	10.7802	12.0833
2009	1.56769	1.08822	10.7045	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070
2010	1.54003	1.15966	10.1995	125.436	0.997755	1.54142	1.44702	8.64469	9.06742	10.4761
2011	1.53527	1.18654	9.67352	119.321	0.992989	1.56254	1.44453	8.82099	9.20039	10.6293
2012	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.7693	11.3176
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768
2015 May	1.39050	1.26755	8.50933	172.075	0.911926	1.73326	1.30944	9.45555	10.8198	11.7894
June	1.40639	1.25694	8.59816	172.213	0.894767	1.75433	1.30823	9.37726	11.0497	11.5871
July	1.39470	1.27172	8.53170	172.901	0.895528	1.81966	1.34212	9.48902	11.4474	12.0354
Aug.	1.40380	1.25172	8.96933	170.141	0.914997	1.85624	1.35382	9.34143	11.7142	11.8760
Sep.	1.40374	1.25300	8.92961	168.378	0.923574	1.88016	1.36640	9.34719	11.9341	11.7748
Oct.	1.39687	1.26793	8.86942	168.840	0.910075	1.82753	1.38137	9.45600	11.9096	11.8987
Nov.	1.37217	1.29707	8.77855	168.502	0.914411	1.82951	1.41484	9.67661	11.9245	11.9797
Dec.	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016 Jan.	1.38050	1.26419	9.07853	167.040	0.965111	1.94374	1.40783	9.43450	11.9902	11.7571
Feb.	1.38131	1.26866	9.04429	156.641	0.997049	1.86795	1.38394	9.46450	12.0578	11.7931
Mar.	1.40882	1.23744	9.11129	158.675	0.978139	1.82738	1.35529	9.22041	11.6498	11.4779
Apr.	1.41733	1.24294	9.19084	158.372	0.969847	1.77861	1.36390	9.25249	11.4537	11.3943
May	1.40288	1.25774	9.23753	155.846	0.959693	1.83777	1.38913	9.35454	11.7220	11.6901
June	1.39884	1.25999	9.29463	143.941	1.03710	1.81976	1.36527	9.37348	11.7190	11.8640
July	1.39338	1.25383	9.27042	144.912	1.05743	1.81711	1.35799	9.32523	11.9229	12.0072
Aug.	1.39434	1.25255	9.31255	143.561	1.06131	1.82993	1.37245	9.32297	11.6193	11.9107
Sep.	1.39581	1.25062	9.31064	141.089	1.07693	1.83089	1.35980	9.31871	11.2387	12.0301
Oct.	1.37385	1.25511	9.30085	143.979	1.12879	1.84137	1.35874	9.33724	11.3393	12.3613
Nov.	1.35376	1.27293	9.32175	152.149	1.08718	1.81756	1.37312	9.47104	11.4806	12.4014
Dec.	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017 Jan.	1.35883	1.26344	9.34798	154.363	1.09042	1.77055	1.34918	9.39655	11.2295	11.9779
Feb.	1.35389	1.27762	9.30016	152.381	1.08834	1.79364	1.36080	9.49677	11.3315	12.2395
Mar.	1.35685	1.26915	9.35008	152.035	1.08962	1.80596	1.35820	9.43984	11.6359	12.1213
Apr.	1.37102	1.25437	9.45689	152.526	1.05940	1.87309	1.35759	9.33036	11.6961	12.1179
May	1.38432	1.23369	9.45340	153.590	1.07826	1.86883	1.34417	9.17835	11.6445	12.0657
June	1.39139	1.21923	9.43637	155.752	1.07207	1.80560	1.33406	9.06701	11.6696	11.7837
July	1.40775	1.20043	9.46925	155.627	1.07265	1.75757	1.36692	8.92698	11.1701	11.4494
Aug.	1.41339	1.19526	9.32227	156.179	1.09769	1.77182	1.36463	8.89079	11.0907	11.2683
Sep.	1.41330	1.19710	9.39576	159.222	1.05596	1.76379	1.37005	8.90916	11.2676	11.4598
Oct.	1.40469	1.20698	9.31099	158.940	1.06263	1.81106	1.40216	8.98142	11.4951	11.7369
Nov.	1.41542	1.19455	9.35209	158.527	1.05279	1.82419	1.39631	8.88936	11.7541	11.8326
Dec.	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018 Jan.	1.45712	1.16972	9.17406	158.593	1.02897	1.79124	1.35950	8.70496	11.1849	11.4288
Feb.	1.44589	1.18379	9.15466	155.173	1.04457	1.85204	1.36405	8.81516	11.3826	11.9372
Mar.	1.45386	1.17983	9.12359	154.386	1.03379	1.87436	1.39087	8.76017	11.3360	12.1521
Apr.	1.43806	1.19055	9.11835	157.195	1.04777	1.84590	1.42282	8.86965	11.5031	12.4786
May	1.41665	1.21092	9.06939	153.933	1.06307	1.83428	1.39710	9.01356	11.5491	12.4505
June	1.40657	1.20653	9.31828	155.356	1.07049	1.85217	1.39764	8.99167	11.4759	12.6027
July	1.40487	1.19706	9.59647	155.898	1.06728	1.82872	1.38822	8.91798	11.4126	12.2955
Aug.	1.40139	1.20280	9.57341	155.554	1.07754	1.82016	1.35409	8.96789	11.6851	12.7588
Sep.	1.39525	1.20530	9.60126	158.319	1.06990	1.82898	1.36232	8.98723	11.4099	12.3582
Oct.	1.38213	1.22118	9.63577	156.512	1.08198	1.81639	1.38945	9.11170	11.6657	12.6669
Nov.	1.38323	1.21773	9.60412	156.899	1.08446	1.83983	1.38053	9.08694	11.8607	12.5719
Dec.	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768
2019 Jan.	1.40070	1.21927	9.39364	152.564	1.06683	1.84108	1.39089	9.10274	11.7810	12.6277
Feb.	1.39798	1.22458	9.35008	155.021	1.05087	1.84099	1.38854	9.13676	11.9112	12.9179
Mar.	1.38825	1.23565	9.33053	153.985	1.05929	1.85512	1.38256	9.22441	11.9351	12.8859
Apr.	1.38576	1.23530	9.34152	154.789	1.06511	1.86011	1.41237	9.22101	11.9426	13.1801
May	1.37762	1.23542	9.51040	150.615	1.09504	1.86351	1.38444	9.22739	12.0966	13.1570
June	1.39021	1.22163	9.54627	149.698	1.09573	1.81937	1.35532	9.11768	11.8422	12.8891
July	1.37542	1.23345	9.46755	149.315	1.13063	1.80840	1.36159	9.21065	12.0604	13.1541

V. Value of the special drawing right in selected currencies *

2. Daily rates

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
2019 May	1	1.38748	.	.	1.06194	1.86144	.	.	.	.
	2	1.38563	1.23584	.	1.06117	1.86533	1.41230	9.22620	12.0433	13.2214
	3	1.38309	1.23988	.	1.06400	1.85735	1.41123	9.25660	12.1239	13.2554
	6	1.38562	1.23727	9.37954	.	1.86449	1.41160	.	12.1135	13.2702
	7	1.38562	1.23882	9.37233	153.415	1.86726	1.41243	.	12.0914	13.2427
	8	1.38544	1.23678	9.37946	152.413	1.86564	1.40914	9.23344	12.1557	13.2638
	9	1.38371	1.23623	9.42676	152.139	1.86565	1.41021	9.22960	12.1234	13.3226
	10	1.38598	1.23418	9.43699	152.250	1.85971	1.40449	9.21413	12.1188	13.3562
	13	1.38480	1.23148	9.50977	151.981	1.86352	1.39581	9.19515	12.0866	13.3771
	14	1.38387	1.23274	9.52880	151.645	1.86394	1.39487	9.20742	12.0795	13.2920
	15	1.38233	1.23610	9.49424	151.572	1.85937	1.39249	9.23301	12.1142	13.2948
	16	1.38195	1.23355	9.51475	151.268	1.85720	1.39432	9.21192	12.0288	13.2780
	17	1.37901	1.23434	9.53089	151.608	1.85725	1.39342	.	.	13.2928
	20	1.37816	1.23414	9.52653	151.832	1.85725	1.39166	9.21667	12.0918	13.2814
	21	1.37720	1.23394	9.51919	151.698	1.84723	1.39145	9.21566	12.0819	13.3373
	22	1.37792	1.23348	9.52544	152.274	1.84779	1.39135	9.21167	12.0385	13.3033
	23	1.37656	1.23580	9.51891	151.724	1.88853	1.38840	9.22943	12.0544	13.2710
	24	1.37982	1.23341	9.52735	151.380	1.88707	1.38354	9.21082	12.0330	13.2453
	28	1.37979	1.23284	9.53562	151.115	1.88872	1.38524	9.20793	11.9788	13.1795
	29	1.37829	1.23547	9.53153	150.606	1.89016	1.86262	9.22739	12.0742	13.2221
	30	1.37708	1.23683	9.50950	150.887	1.89024	1.85920	.	.	.
	31	1.37762	1.23542	9.51040	150.615	1.89504	1.86351	1.38444	12.0966	13.1570
June	3	1.38051	1.23425	9.53407	149.440	1.09157	1.85954	1.37906	9.21735	12.0682
	4	1.38407	1.23094	9.56709	149.507	1.09068	1.85659	1.37431	9.19261	12.0460
	5	1.38412	1.22956	9.56480	149.651	1.08904	1.85485	1.37270	9.19261	12.0174
	6	1.38284	1.22745	9.56096	149.679	1.08962	1.84997	1.37655	9.16742	12.0392
	7	1.38341	1.22719	.	150.073	1.08789	.	1.37539	9.16473	12.0220
	10	1.38464	1.22524	9.60135	150.220	1.09238	1.83701	.	.	13.0598
	11	1.38558	1.22401	9.58350	150.475	1.09101	1.83978	1.37450	9.14177	11.9586
	12	1.38631	1.22433	9.58341	150.345	1.08867	1.84421	1.37702	9.14294	11.9764
	13	1.38431	1.22625	9.58056	149.963	1.09255	1.84446	1.37483	9.15734	11.9829
	14	1.38333	1.22799	9.57809	149.926	1.09454	1.85159	1.37690	9.17011	12.0010
	17	1.38085	1.22917	9.56169	149.960	1.09639	1.85130	1.37940	9.17861	12.0382
	18	1.38003	1.23360	9.56306	149.789	1.10090	1.84842	1.37845	9.21158	12.0640
	19	1.38113	1.23238	9.53625	149.673	1.09735	1.84284	1.37733	9.20234	12.0545
	20	1.38750	1.22712	9.50074	149.365	1.09252	1.83025	1.36794	9.16179	11.8636
	21	1.38731	1.22598	9.53971	148.581	1.09557	1.83292	1.36311	9.15282	11.8749
	24	1.39141	1.22118	9.57570	149.437	1.09211	1.83583	1.35669	9.11760	11.8018
	25	1.39159	1.22198	9.57295	148.901	1.09093	1.83329	1.35841	9.12259	11.8355
	26	1.38963	1.22305	9.56984	149.191	1.09515	1.82459	1.35781	9.13017	11.8309
	27	1.39012	1.22262	9.56078	150.244	1.09338	1.82259	1.35801	9.12575	11.8402
	28	1.39021	1.22163	9.54627	149.698	1.09573	1.81937	1.35532	9.11768	11.8422
July	1	1.38809	1.22309	9.49911	150.247	1.09843	.	1.36359	9.13000	11.8454
	2	1.38577	1.22623	9.52508	150.245	1.09742	1.81729	1.36934	9.15240	11.8595
	3	1.38572	1.22706	9.54208	149.103	1.10235	.	1.36403	9.15885	11.8526
	5	1.38388	1.22903	9.51864	149.266	1.10291	.	1.36693	.	.
	8	1.38118	1.23155	9.50869	149.885	1.10291	1.80672	1.36999	9.19118	11.9263
	9	1.37979	1.23140	9.49433	150.204	1.10693	1.81125	1.37227	9.19050	11.9425
	10	1.38036	1.23026	9.50308	150.321	1.10694	1.80716	1.36897	9.18223	11.9249
	11	1.38454	1.22688	9.50652	149.724	1.10234	1.80973	1.36516	9.16154	11.8177
	12	1.38326	1.22924	9.51475	149.945	1.10378	1.80350	1.36479	9.17903	11.8262
	15	1.38474	1.22881	9.51900	.	1.10373	1.80557	1.36044	9.17549	11.8239
	16	1.38142	1.23088	9.49830	149.124	1.11243	1.80302	1.36228	9.19194	11.8082
	17	1.38078	1.23120	9.49938	149.359	1.11309	1.80234	1.36677	9.19329	11.8466
	18	1.38143	1.23166	9.50065	148.780	1.10732	1.80540	1.36534	9.19701	11.8780
	19	1.38342	1.23234	9.51004	148.718	1.10294	1.80827	1.35901	9.20090	11.8475
	22	1.38183	1.23212	9.50597	149.182	1.10830	1.81061	1.35606	9.19912	11.8623
	23	1.37988	1.23502	9.49127	149.096	1.10741	1.81344	1.35670	9.22050	11.9561
	24	1.37954	1.23837	9.49055	149.225	1.10200	1.81231	1.35878	9.24437	11.9324
	25	1.37878	1.24046	9.47580	149.142	1.10346	1.81254	1.35906	9.25986	11.9157
	26	1.37724	1.23652	9.47400	149.637	1.10813	1.81547	1.36718	9.23216	11.9835
	29	1.37567	1.23722	9.48128	149.191	1.11680	1.81024	1.36446	9.23813	11.9931
	30	1.37551	1.23320	9.46781	149.628	1.13030	1.81128	1.36197	9.20785	12.0074
	31	1.37542	1.23345	9.46755	149.315	1.13063	1.80840	1.36159	9.21065	12.0604
Aug.	1	1.36963	1.24094	9.45081	149.618	1.13164	1.81024	.	9.26484	12.1761
	2	1.37314	1.23639	9.52454	147.077	1.13426	1.81598	1.35302	9.23088	12.2533
	5	1.37464	1.22933	9.66781	145.753	1.13009	.	1.33938	9.17793	12.2589
	6	1.37623	1.23020	9.68232	145.330	1.12963	1.82392	1.34127	9.18274	12.2461
	7	1.37508	1.22753	9.68092	145.965	1.13297	1.83189	1.34628	9.16120	12.2704

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

VI. Global exchange rate arrangements and monetary policy framework*

As of end-April 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-July 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.

VII. ISO currency codes *

As of end-July 2019

ISO code	Currency	Country ¹ or territory	ISO code	Currency	Country ¹ or territory	ISO code	Currency	Country ¹ or territory
MAD	Moroccan dirham	Morocco Western Sahara	SAR	Saudi riyal	Saudi Arabia	UYU	Uruguayan peso	Uruguay
MDL	Moldovan leu	Moldova, Republic of	SBD	Solomon Islands dollar	Solomon Islands	UZS	Uzbekistan sum	Uzbekistan
MGA	Ariary	Madagascar	SCR	Seychelles rupee	Seychelles			
MKD	North Macedonia denar	North Macedonia ¹	SDG	Sudanese pound	Sudan	VES	Bolívar Soberano	Venezuela, Bolivarian Republic of
MMK	Kyat	Myanmar	SEK	Swedish krona	Sweden	VND	Dong	Viet Nam
MNT	Togrog	Mongolia	SGD	Singapore dollar	Singapore	VUV	Vatu	Vanuatu
MOP	Pataca	Macao	SHP	Saint Helena pound	Saint Helena, Ascension and Tristan da Cunha			
MRU	Ouguiya	Mauritania	SLL	Leone	Sierra Leone	WST	Tala	Samoa
MUR	Mauritian rupee	Mauritius	SOS	Somali shilling	Somalia			
MVR	Rufiyaa	Maldives	SRD	Suriname dollar	Suriname	XAF	CFA franc	Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon
MWK	Malawi kwacha	Malawi	SSP	South Sudanese pound	South Sudan			
MXN	Mexican peso	Mexico	STN	Dobra	Sao Tome and Principe	XCD	East Caribbean dollar	Anguilla Antigua and Barbuda Dominica Grenada Montserrat Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines
MYR	Malaysian ringgit	Malaysia	SVC	El Salvador colón	El Salvador			
MZN	Metical	Mozambique	SYP	Syrian pound	Syrian Arab Republic	XOF	CFA franc	Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo
NAD	Namibia dollar	Namibia	SZL	Lilangeni	Eswatini			
NGN	Naira	Nigeria	THB	Thai baht	Thailand	XPF	CFP franc	New Caledonia French Polynesia Wallis and Futuna (Islands)
NIO	Córdoba	Nicaragua	TJS	Somoni	Tajikistan			
NOK	Norwegian krone	Norway Spitzbergen/ Spitsbergen	TMT	Turkmen manat	Turkmenistan			
NPR	Nepalese rupee	Nepal	TND	Tunisian dinar	Tunisia			
NZD	New Zealand dollar	New Zealand Cook Islands Niue Pitcairn Islands Group Tokelau	TOP	Pa'anga	Tonga			
			TRY	Turkish lira	Turkey			
			TTD	Trinidad and Tobago dollar	Trinidad and Tobago			
OMR	Rial Omani	Oman	TWD	New Taiwan dollar	China (Taiwan)			
			TZS	Tanzania shilling	Tanzania, United Republic of			
PAB	Balboa	Panama						
PEN	Sol	Peru	UAH	Hryvnia	Ukraine	YER	Yemeni rial	Yemen
PGK	Kina	Papua New Guinea	UGX	Uganda shilling	Uganda	ZAR	South African rand	South Africa Lesotho Namibia
PHP	Philippine peso	Philippines	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States	ZMW	Kwacha	Zambia
PKR	Pakistani rupee	Pakistan				ZWL	Zimbabwe dollar	Zimbabwe ¹
PLN	Polish zloty	Poland						
PYG	Guaraní	Paraguay						
QAR	Qatari riyal	Qatar						
RON	Romanian leu	Romania				Memo item:		
RSD	Serbian dinar	Serbia				XAG	Silver	
RUB	Russian rouble	Russian Federation				XAU	Gold	
RWF	Rwanda franc	Rwanda				XDR	Special drawing right	
						XPD	Palladium	
						XPT	Platinum	

■ 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 July 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.

Zimbabwe

Following the introduction in 2009 of a multiple currency system in which the US dollar was the principal currency, the Zimbabwe dollar was demonetised, i.e. was no longer legal tender, with effect from 1 October 2015. In response to a lack of foreign currency, at end-November 2016 the government additionally issued “bond notes”; although they were officially pegged to the US dollar at the rate of 1:1, their convertibility was effectively limited. These bonds traded at heavy discounts on the black market.

According to press reports, on 20 February 2019 a law was passed which ditched the 1:1 peg between the bond notes and the US dollar, and the RTGS (Real Time Gross Settlement) dollar was declared legal tender. Following a period in which this new currency depreciated considerably, the central bank finally banned the use of foreign currencies and reintroduced the Zimbabwe dollar (ZWL) as the sole legal tender as from 24 June 2019.