



Exchange rate statistics

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Statistical Series

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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	Data unknown, not to be published or not meaningful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	13 July 2020
Denmark Danish krone DKK	Upper rate	7.62824	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	7.46038
	Lower rate	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252
Bulgaria Bulgarian lev BGN	Upper rate	–	–	–	–	–	–	–	2.24920
	Central rate	–	–	–	–	–	–	–	² 1.95583
	Lower rate	–	–	–	–	–	–	–	1.66246
Croatia Croatian kuna HRK	Upper rate	–	–	–	–	–	–	–	8.66468
	Central rate	–	–	–	–	–	–	–	² 7.53450
	Lower rate	–	–	–	–	–	–	–	6.40433
Greece Greek drachma GRD	Upper rate	406.075	³ 391.863	–	–	–	–	–	–
	Central rate	¹ 353.109	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	⁴ 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	⁵ 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	⁶ 239.640	–	–	–
	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	⁷ 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	⁸ 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	⁷ 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	⁹ 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 According to the EU communiqué of 10 July 2020. ³ Until 31 December 2000; accession to the euro area on 1 January 2001. ⁴ Until 31 December

2010; accession to the euro area on 1 January 2011. ⁵ Until 31 December 2014; accession to the euro area on 1 January 2015. ⁶ Until 31 December 2006; accession to the euro area on 1 January 2007. ⁷ Until 31 December 2007; accession to the euro area on 1 January 2008. ⁸ Until 31 December 2013; accession to the euro area on 1 January 2014. ⁹ 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. End-of-month and daily rates

EUR 1 = CU ...

Period		EU member countries							
		Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden
		Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2019	June	1.9558	7.3973	25.447	7.4636	323.39	4.2496	4.7343	10.5633
	July	1.9558	7.3823	25.658	7.4674	326.48	4.2912	4.7338	10.6645
	Aug.	1.9558	7.4023	25.914	7.4562	331.07	4.3812	4.7284	10.8395
	Sep.	1.9558	7.4110	25.816	7.4662	334.83	4.3782	4.7496	10.6958
	Oct.	1.9558	7.4579	25.509	7.4708	328.70	4.2581	4.7560	10.7498
	Nov.	1.9558	7.4385	25.515	7.4713	333.82	4.3185	4.7823	10.4995
	Dec.	1.9558	7.4395	25.408	7.4715	330.53	4.2568	4.7830	10.4468
2020	Jan.	1.9558	7.4440	25.210	7.4731	337.05	4.3009	4.7789	10.6768
	Feb.	1.9558	7.4695	25.390	7.4723	337.57	4.3259	4.8130	10.6738
	Mar.	1.9558	7.6255	27.312	7.4674	360.02	4.5506	4.8283	11.0613
	Apr.	1.9558	7.5790	27.097	7.4584	352.72	4.5336	4.8431	10.6639
	May	1.9558	7.5870	26.921	7.4542	348.73	4.4495	4.8493	10.4870
	June	1.9558	7.5708	26.740	7.4526	356.58	4.4560	4.8397	10.4948
	July	1.9558	7.4815	26.175	7.4442	344.95	4.4034	4.8315	10.2835
2020	July 16	1.9558	7.5356	26.693	7.4452	354.08	4.4928	4.8433	10.3500
	17	1.9558	7.5380	26.682	7.4453	353.72	4.4827	4.8422	10.3330
	20	1.9558	7.5340	26.598	7.4480	352.56	4.4592	4.8418	10.3010
	21	1.9558	7.5300	26.429	7.4449	350.64	4.4362	4.8392	10.2390
	22	1.9558	7.5220	26.365	7.4442	349.27	4.4288	4.8413	10.2415
	23	1.9558	7.5215	26.342	7.4429	347.31	4.4141	4.8355	10.2640
	24	1.9558	7.5170	26.268	7.4438	346.98	4.4046	4.8325	10.2690
	27	1.9558	7.5163	26.193	7.4436	345.91	4.4016	4.8303	10.2678
	28	1.9558	7.5070	26.251	7.4429	346.98	4.4054	4.8355	10.2820
	29	1.9558	7.4940	26.291	7.4427	347.67	4.4194	4.8345	10.2870
	30	1.9558	7.4880	26.248	7.4426	345.60	4.4080	4.8318	10.3068
	31	1.9558	7.4815	26.175	7.4442	344.95	4.4034	4.8315	10.2835
	Aug. 3	1.9558	7.4755	26.319	7.4466	345.72	4.4201	4.8355	10.2958
	4	1.9558	7.4683	26.221	7.4462	344.73	4.4055	4.8358	10.3025
	5	1.9558	7.4683	26.097	7.4508	344.50	4.3935	4.8345	10.2865
	6	1.9558	7.4680	26.202	7.4500	346.23	4.4073	4.8360	10.3165
	7	1.9558	7.4595	26.279	7.4483	345.93	4.4081	4.8374	10.3163
	10	1.9558	7.4828	26.183	7.4479	345.19	4.4021	4.8360	10.2805

Period		Other European and non-European countries							
		Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia
		Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR
2019	June	1.6244	4.3511	1.4893	7.8185	8.8866	141.70	78.5240	16,083.35
	July	1.6175	4.2180	1.4662	7.6743	8.7289	134.70	76.6965	15,639.30
	Aug.	1.6398	4.5879	1.4658	7.8908	8.6549	138.50	78.8365	15,654.57
	Sep.	1.6126	4.5288	1.4426	7.7784	8.5368	135.10	77.1615	15,456.94
	Oct.	1.6137	4.4514	1.4673	7.8540	8.7401	138.10	79.1125	15,701.50
	Nov.	1.6228	4.6459	1.4614	7.7172	8.5954	134.00	78.6875	15,490.11
	Dec.	1.5995	4.5157	1.4598	7.8205	8.7473	135.80	80.1870	15,595.60
2020	Jan.	1.6494	4.7157	1.4627	7.6664	8.5843	136.30	78.9055	15,091.51
	Feb.	1.6875	4.9232	1.4757	7.6662	8.5550	139.30	79.2850	15,749.25
	Mar.	1.7967	5.7001	1.5617	7.7784	8.4945	155.60	82.8985	17,869.24
	Apr.	1.6598	5.8565	1.5077	7.6665	8.4300	159.30	81.6108	16,178.05
	May	1.6681	5.9654	1.5280	7.9456	8.6347	150.80	84.1025	16,269.70
	June	1.6344	6.1118	1.5324	7.9219	8.6788	155.40	84.6235	16,184.41
	July	1.6488	6.1219	1.5898	8.2637	9.1825	160.00	88.6355	17,364.00
2020	July 16	1.6338	6.1154	1.5452	7.9861	8.8510	160.00	85.8555	16,692.98
	17	1.6360	6.0839	1.5510	7.9975	8.8617	160.20	85.6700	16,793.45
	20	1.6359	6.1480	1.5532	7.9992	8.8744	160.20	85.6355	16,925.87
	21	1.6154	6.0416	1.5399	7.9982	8.8704	159.30	85.3805	16,830.00
	22	1.6139	5.9920	1.5540	8.0999	8.9741	157.80	86.2880	16,867.99
	23	1.6246	5.9524	1.5486	8.1057	8.9676	157.80	86.5770	16,948.00
	24	1.6376	6.0777	1.5578	8.1453	8.9978	157.80	86.8660	16,982.00
	27	1.6472	6.0919	1.5729	8.2344	9.1154	158.40	87.8850	17,075.52
	28	1.6412	6.0650	1.5693	8.2041	9.0810	158.60	87.7140	17,030.66
	29	1.6348	6.0149	1.5665	8.2067	9.0869	159.00	87.6940	17,042.29
	30	1.6446	6.1189	1.5771	8.2240	9.1011	159.20	87.9400	17,144.78
	31	1.6488	6.1219	1.5898	8.2637	9.1825	160.00	88.6355	17,364.00
	Aug. 3	1.6508	6.1375	1.5755	8.1900	9.0882	160.00	88.1805	17,254.00
	4	1.6495	6.2743	1.5773	8.2157	9.1179	160.00	88.3805	17,276.90
	5	1.6415	6.2311	1.5703	8.2277	9.1871	160.20	88.7090	17,247.57
	6	1.6492	6.3340	1.5748	8.2325	9.1786	160.20	88.7650	17,304.00
	7	1.6403	6.3274	1.5770	8.2238	9.1585	160.60	88.6330	17,335.54
	10	1.6445	6.3697	1.5739	8.2003	9.1166	160.60	88.1125	17,221.03

* See Explanatory notes, p. 48.

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

1. End-of-month and daily rates (cont'd)

EUR 1 = CU ...

		Other European and non-European countries (cont'd)							
		Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	Philippines
		New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	Philippines peso PHP
2019 June		4.0607	122.60	1,315.35	4.7082	21.8201	1.6960	9.6938	58.335
July		3.8951	121.04	1,318.25	4.6015	21.2005	1.6883	9.7778	56.685
Aug.		3.8899	117.28	1,333.21	4.6412	22.1567	1.7490	10.0380	57.462
Sep.		3.7877	117.59	1,304.83	4.5592	21.4522	1.7375	9.8953	56.553
Oct.		3.9342	120.73	1,302.87	4.6607	21.3265	1.7359	10.2520	56.704
Nov.		3.8136	120.43	1,295.81	4.5882	21.4483	1.7090	10.1045	55.838
Dec.		3.8845	121.94	1,296.28	4.5953	21.2202	1.6653	9.8638	56.900
2020 Jan.		3.8090	120.35	1,321.60	4.5297	20.8044	1.7083	10.1893	56.382
Feb.		3.8052	119.36	1,324.98	4.6263	21.6370	1.7608	10.3888	56.027
Mar.		3.9018	118.90	1,341.03	4.7330	26.1772	1.8417	11.5100	55.865
Apr.		3.8069	115.87	1,313.09	4.6767	25.7953	1.7705	11.1840	54.772
May		3.9065	119.29	1,376.21	4.8414	24.5700	1.7863	10.7880	56.231
June		3.8821	120.66	1,345.83	4.7989	25.9470	1.7480	10.9120	55.834
July		4.0312	124.31	1,409.56	5.0230	26.2780	1.7771	10.7323	58.124
2020 July	16	3.9207	122.24	1,373.74	4.8755	25.5051	1.7439	10.6148	56.499
	17	3.9253	122.53	1,376.55	4.8723	25.6132	1.7463	10.5995	56.511
	20	3.9279	122.63	1,377.07	4.8797	25.8217	1.7435	10.6060	56.500
	21	3.9202	122.70	1,367.96	4.8764	25.5910	1.7305	10.4933	56.455
	22	3.9621	123.94	1,384.38	4.9235	25.8715	1.7328	10.5343	57.110
	23	3.9560	123.98	1,389.31	4.9267	25.9685	1.7384	10.6073	57.202
	24	3.9642	123.36	1,396.83	4.9502	26.0804	1.7506	10.6953	57.316
	27	4.0143	123.88	1,407.15	5.0009	26.0083	1.7605	10.6683	57.817
	28	4.0021	123.34	1,406.13	4.9827	25.8438	1.7630	10.6940	57.664
	29	3.9985	123.28	1,400.22	4.9755	25.6310	1.7640	10.6573	57.538
	30	3.9947	123.58	1,404.16	4.9784	26.0101	1.7727	10.7213	57.682
	31	4.0312	124.31	1,409.56	5.0230	26.2780	1.7771	10.7323	58.124
Aug.	3	4.0056	124.51	1,401.26	4.9501	26.2690	1.7701	10.7188	57.579
	4	4.0292	124.78	1,406.49	4.9654	26.7401	1.7807	10.7568	57.774
	5	4.0397	125.37	1,405.74	4.9698	26.7125	1.7809	10.6585	58.120
	6	4.0309	124.96	1,404.99	4.9604	26.6150	1.7828	10.6538	58.136
	7	4.0256	124.91	1,401.90	4.9484	26.5127	1.7786	10.6433	57.958
	10	4.0124	124.74	1,396.28	4.9352	26.3047	1.7840	10.6290	57.787

		Other European and non-European countries (cont'd)							
		Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom ¹	United States
		Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD
2019 June		71.5975	1.5395	16.1218	1.1105	34.897	6.5655	0.89655	1.1380
July		70.8041	1.5261	15.8634	1.1041	34.273	6.1610	0.91623	1.1151
Aug.		73.4150	1.5312	16.8299	1.0909	33.754	6.4418	0.90565	1.1036
Sep.		70.7557	1.5060	16.5576	1.0847	33.315	6.1491	0.88573	1.0889
Oct.		71.3639	1.5174	16.9120	1.1007	33.668	6.3717	0.86133	1.1154
Nov.		70.5544	1.5017	16.1197	1.0998	33.204	6.3198	0.85225	1.0982
Dec.		69.9563	1.5111	15.7773	1.0854	33.415	6.6843	0.85080	1.1234
2020 Jan.		70.3375	1.5092	16.4900	1.0694	34.460	6.6117	0.84175	1.1052
Feb.		73.6096	1.5317	17.0961	1.0614	34.632	6.8348	0.85315	1.0977
Mar.		85.9486	1.5633	19.6095	1.0585	35.925	7.2063	0.88643	1.0956
Apr.		79.8920	1.5324	19.6572	1.0558	35.216	7.5979	0.86905	1.0876
May		78.4416	1.5712	19.4239	1.0720	35.424	7.6101	0.90088	1.1136
June		79.6300	1.5648	19.4425	1.0651	34.624	7.6761	0.91243	1.1198
July		87.6900	1.6245	20.0960	1.0769	36.948	8.2595	0.90053	1.1848
2020 July	16	81.1888	1.5888	19.0181	1.0787	36.148	7.8320	0.90875	1.1414
	17	81.8409	1.5887	19.0496	1.0753	36.238	7.8413	0.91078	1.1428
	20	81.8750	1.5909	19.1409	1.0736	36.376	7.8508	0.90575	1.1448
	21	81.0833	1.5891	18.8806	1.0740	36.194	7.8369	0.90055	1.1443
	22	81.9588	1.6015	18.9520	1.0785	36.546	7.9299	0.91123	1.1578
	23	82.5723	1.6033	19.2203	1.0731	36.685	7.9229	0.91195	1.1569
	24	83.3938	1.6083	19.4350	1.0730	36.821	7.9496	0.90985	1.1608
	27	84.0682	1.6216	19.3380	1.0838	37.050	8.0552	0.91340	1.1760
	28	84.8413	1.6168	19.4315	1.0758	36.920	8.1283	0.90968	1.1717
	29	84.9125	1.6142	19.3269	1.0766	36.899	8.1748	0.90385	1.1725
	30	86.6233	1.6161	19.7070	1.0744	36.920	8.1978	0.90268	1.1743
	31	87.6900	1.6245	20.0960	1.0769	36.948	8.2595	0.90053	1.1848
Aug.	3	86.6018	1.6147	20.2777	1.0784	36.644	8.1864	0.90013	1.1726
	4	86.7275	1.6195	20.4879	1.0761	36.608	8.1990	0.90335	1.1765
	5	86.3692	1.6228	20.4221	1.0770	36.759	8.3311	0.90265	1.1854
	6	86.9321	1.6236	20.7655	1.0759	36.832	8.5853	0.90033	1.1843
	7	86.9753	1.6203	20.7086	1.0804	36.816	8.5019	0.90373	1.1817
	10	86.6154	1.6158	20.8452	1.0790	36.630	8.6055	0.90155	1.1763

* See Explanatory notes, p. 48. ¹ The United Kingdom ceased to be a member of the European Union on 31 January 2020.

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

2. Annual and monthly averages +

EUR 1 = CU ...

EU member countries									
	Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden	
Period	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	
2018	1.9558	7.4182	25.647	7.4532	318.89	4.2615	4.6540	10.2583	
2019	1.9558	7.4180	25.670	7.4661	325.30	4.2976	4.7453	10.5891	
2018 June	1.9558	7.3822	25.778	7.4493	322.70	4.3038	4.6623	10.2788	
July	1.9558	7.3971	25.850	7.4523	324.60	4.3239	4.6504	10.3076	
Aug.	1.9558	7.4261	25.681	7.4558	323.02	4.2858	4.6439	10.4668	
Sep.	1.9558	7.4294	25.614	7.4583	324.82	4.3006	4.6471	10.4426	
Oct.	1.9558	7.4245	25.819	7.4597	323.84	4.3046	4.6658	10.3839	
Nov.	1.9558	7.4281	25.935	7.4611	322.33	4.3018	4.6610	10.2918	
Dec.	1.9558	7.4041	25.835	7.4653	322.74	4.2900	4.6536	10.2766	
2019 Jan.	1.9558	7.4286	25.650	7.4657	319.80	4.2916	4.7062	10.2685	
Feb.	1.9558	7.4151	25.726	7.4627	317.91	4.3175	4.7486	10.4986	
Mar.	1.9558	7.4206	25.676	7.4625	315.92	4.2969	4.7546	10.4999	
Apr.	1.9558	7.4282	25.677	7.4650	321.18	4.2864	4.7584	10.4819	
May	1.9558	7.4189	25.768	7.4675	324.98	4.2958	4.7594	10.7372	
June	1.9558	7.4079	25.605	7.4669	322.56	4.2635	4.7250	10.6263	
July	1.9558	7.3903	25.548	7.4656	325.27	4.2596	4.7286	10.5604	
Aug.	1.9558	7.3897	25.802	7.4602	326.91	4.3466	4.7280	10.7356	
Sep.	1.9558	7.4012	25.868	7.4634	332.45	4.3531	4.7381	10.6968	
Oct.	1.9558	7.4363	25.689	7.4693	331.46	4.3013	4.7538	10.8023	
Nov.	1.9558	7.4400	25.531	7.4720	333.62	4.2855	4.7698	10.6497	
Dec.	1.9558	7.4416	25.497	7.4720	330.71	4.2726	4.7779	10.4827	
2020 Jan.	1.9558	7.4429	25.216	7.4729	334.38	4.2507	4.7788	10.5544	
Feb.	1.9558	7.4543	25.051	7.4713	337.17	4.2766	4.7837	10.5679	
Mar.	1.9558	7.5706	26.575	7.4703	345.68	4.4406	4.8282	10.8751	
Apr.	1.9558	7.5928	27.262	7.4617	356.69	4.5437	4.8371	10.8845	
May	1.9558	7.5749	27.269	7.4577	350.76	4.5251	4.8371	10.5970	
June	1.9558	7.5682	26.681	7.4548	347.69	4.4450	4.8392	10.4869	
July	1.9558	7.5296	26.514	7.4467	351.16	4.4493	4.8383	10.3538	

Other European and non-European countries									
	Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia	
	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR	
2018	1.5797	4.3085	1.5294	7.8081	9.2559	¹ 127.89	80.7332	16,803.22	
2019	1.6109	4.4134	1.4855	7.7355	8.7715	137.28	78.8361	15,835.27	
2018 June	1.5579	4.4049	1.5327	7.5512	9.1642	124.76	79.1601	16,393.39	
July	1.5792	4.4765	1.5356	7.8504	9.1708	124.41	80.2996	16,836.55	
Aug.	1.5762	4.5357	1.5063	7.9092	9.0655	124.19	80.4260	16,822.69	
Sep.	1.6189	4.8013	1.5211	7.9930	9.1375	128.90	84.2109	17,338.45	
Oct.	1.6158	4.3246	1.4935	7.9481	9.0011	134.47	84.5447	17,428.73	
Nov.	1.5681	4.2973	1.4998	7.8880	8.9000	139.78	81.5611	16,651.71	
Dec.	1.5849	4.4214	1.5278	7.8398	8.9026	137.78	80.6166	16,512.15	
2019 Jan.	1.5975	4.2700	1.5196	7.7504	8.9527	136.66	80.7983	16,164.77	
Feb.	1.5895	4.2234	1.4995	7.6485	8.9082	136.10	80.8601	15,936.22	
Mar.	1.5959	4.3369	1.5104	7.5868	8.8718	135.48	78.5605	16,059.50	
Apr.	1.5802	4.3740	1.5035	7.5489	8.8164	135.34	78.0027	15,899.18	
May	1.6116	4.4797	1.5058	7.6736	8.7779	137.64	78.0798	16,095.47	
June	1.6264	4.3600	1.5011	7.7937	8.8383	140.82	78.4078	16,060.27	
July	1.6061	4.2416	1.4693	7.7151	8.7638	139.87	77.1279	15,745.50	
Aug.	1.6431	4.4649	1.4768	7.8581	8.7243	137.66	79.1902	15,838.62	
Sep.	1.6162	4.5307	1.4578	7.8323	8.6224	137.57	78.5678	15,511.84	
Oct.	1.6271	4.5212	1.4581	7.8447	8.6678	137.73	78.5177	15,604.45	
Nov.	1.6181	4.5900	1.4630	7.7571	8.6511	136.52	78.9799	15,546.69	
Dec.	1.6154	4.5700	1.4640	7.7974	8.6744	135.63	79.1092	15,568.87	
2020 Jan.	1.6189	4.6020	1.4523	7.6832	8.6283	137.10	79.1342	15,236.08	
Feb.	1.6356	4.7327	1.4485	7.6302	8.4785	138.23	77.9818	15,032.66	
Mar.	1.7788	5.3986	1.5417	7.7675	8.5907	149.17	82.4374	16,851.13	
Apr.	1.7271	5.7807	1.5287	7.6858	8.4194	157.11	82.7869	17,178.89	
May	1.6724	6.1499	1.5219	7.7482	8.4511	156.61	82.4983	16,198.23	
June	1.6322	5.8377	1.5254	7.9734	8.7226	152.71	85.2212	15,987.12	
July	1.6304	6.0590	1.5481	8.0352	8.8854	158.49	85.8847	16,659.27	

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ The ECB did not

fix euro foreign exchange reference rates for the Icelandic krona from 4 December 2008 to 31 January 2018.

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

2. Annual and monthly averages + (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)								
Period	Israel New shekel ILS	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR	Mexico Mexican peso MXN	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippines peso PHP
2018	4.2423	130.40	1,299.07	4.7634	22.7054	1.7065	9.5975	62.210
2019	3.9901	122.01	1,305.32	4.6374	21.5565	1.6998	9.8511	57.985
2018 June	4.2096	128.53	1,277.93	4.6717	23.7134	1.6822	9.4746	62.038
July	4.2595	130.23	1,313.03	4.7327	22.2481	1.7220	9.4975	62.394
Aug.	4.2330	128.20	1,295.39	4.7277	21.7835	1.7315	9.6161	61.539
Sep.	4.1858	130.54	1,305.86	4.8265	22.1891	1.7674	9.6205	62.957
Oct.	4.1996	129.62	1,300.10	4.7761	21.9950	1.7586	9.4793	61.950
Nov.	4.2122	128.79	1,280.89	4.7548	23.0062	1.6779	9.6272	59.958
Dec.	4.2736	127.88	1,278.13	4.7459	22.8889	1.6675	9.8055	60.135
2019 Jan.	4.2075	124.34	1,281.46	4.7001	21.8985	1.6850	9.7631	59.882
Feb.	4.1162	125.28	1,274.32	4.6272	21.7766	1.6605	9.7444	59.207
Mar.	4.0885	125.67	1,279.67	4.6090	21.7363	1.6540	9.7181	59.358
Apr.	4.0413	125.44	1,284.41	4.6237	21.3367	1.6720	9.6233	58.470
May	4.0184	122.95	1,325.20	4.6665	21.3926	1.7057	9.7794	58.483
June	4.0624	122.08	1,325.28	4.6968	21.7827	1.7119	9.7465	58.425
July	3.9758	121.41	1,320.29	4.6258	21.3614	1.6790	9.6587	57.338
Aug.	3.9046	118.18	1,347.10	4.6599	21.8925	1.7303	9.9742	58.075
Sep.	3.8769	118.24	1,315.02	4.6056	21.5374	1.7345	9.9203	57.306
Oct.	3.8882	119.51	1,308.65	4.6283	21.3687	1.7455	10.1165	56.860
Nov.	3.8472	120.34	1,291.19	4.5937	21.3399	1.7266	10.1087	56.062
Dec.	3.8630	121.24	1,306.19	4.6093	21.2640	1.6864	10.0429	56.432
2020 Jan.	3.8417	121.36	1,296.12	4.5279	20.8733	1.6811	9.9384	56.436
Feb.	3.7432	120.03	1,303.58	4.5391	20.5356	1.7064	10.1327	55.369
Mar.	3.9860	118.90	1,347.99	4.7549	24.7250	1.8276	11.2943	56.453
Apr.	3.8771	116.97	1,328.89	4.7307	26.3607	1.8109	11.3365	55.065
May	3.8348	116.87	1,340.44	4.7331	25.5652	1.7890	10.9862	55.121
June	3.8893	121.12	1,358.75	4.8118	25.0828	1.7473	10.7298	56.333
July	3.9331	122.38	1,374.16	4.8878	25.6999	1.7406	10.6544	56.619

Other European and non-European countries (cont'd)								
Period	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 Kingdom ¹ Pound sterling GBP	United States US dollar USD
2018	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	0.88471	1.1810
2019	72.4553	1.5273	16.1757	1.1124	34.757	6.3578	0.87777	1.1195
2018 June	73.2934	1.5737	15.5262	1.1562	37.930	5.4073	0.87886	1.1678
July	73.3942	1.5931	15.6599	1.1622	38.894	5.5748	0.88726	1.1686
Aug.	76.6684	1.5807	16.2808	1.1413	38.146	6.8488	0.89687	1.1549
Sep.	78.8756	1.5986	17.2295	1.1286	38.013	7.3840	0.89281	1.1659
Oct.	75.6102	1.5843	16.6548	1.1413	37.652	6.6919	0.88272	1.1484
Nov.	75.5508	1.5629	16.0114	1.1377	37.470	6.0896	0.88118	1.1367
Dec.	76.6804	1.5595	16.1870	1.1293	37.238	6.0630	0.89774	1.1384
2019 Jan.	76.3055	1.5486	15.8170	1.1297	36.318	6.1365	0.88603	1.1416
Feb.	74.7184	1.5365	15.6879	1.1368	35.532	5.9888	0.87264	1.1351
Mar.	73.6288	1.5306	16.2507	1.1311	35.869	6.1983	0.85822	1.1302
Apr.	72.6571	1.5239	15.8959	1.1319	35.800	6.4707	0.86179	1.1238
May	72.6164	1.5340	16.1371	1.1304	35.570	6.7694	0.87176	1.1185
June	72.4028	1.5390	16.4749	1.1167	35.139	6.5619	0.89107	1.1293
July	70.9068	1.5268	15.7412	1.1076	34.550	6.3528	0.89942	1.1218
Aug.	73.2161	1.5408	16.8632	1.0892	34.218	6.2869	0.91554	1.1126
Sep.	71.4106	1.5183	16.3207	1.0903	33.639	6.2765	0.89092	1.1004
Oct.	71.0858	1.5150	16.4939	1.0981	33.558	6.4023	0.87539	1.1053
Nov.	70.5770	1.5047	16.3444	1.0978	33.422	6.3420	0.85761	1.1051
Dec.	69.9867	1.5081	16.0502	1.0925	33.562	6.5022	0.84731	1.1113
2020 Jan.	68.7690	1.5003	16.0091	1.0765	33.814	6.5808	0.84927	1.1100
Feb.	69.9107	1.5157	16.3640	1.0648	34.163	6.6195	0.84095	1.0905
Mar.	82.4264	1.5671	18.4175	1.0591	35.499	7.0170	0.89460	1.1063
Apr.	81.7454	1.5474	20.1822	1.0545	35.446	7.4617	0.87547	1.0862
May	79.2332	1.5461	19.7453	1.0574	34.953	7.5527	0.88685	1.0902
June	78.0103	1.5686	19.2726	1.0712	35.077	7.6807	0.89878	1.1255
July	82.0171	1.5906	19.2174	1.0711	36.014	7.8843	0.90467	1.1463

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ The United Kingdom ceased to be a member of the European Union on 31 January 2020.

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

3. End-of-year rates and annual averages

EUR 1 = CU ...

Period	EU member countries								
	Bulgaria Bulgarian lev BGN	Croatia Kuna HRK	Cyprus Cyprus pound CYP ¹	Czechia Czech koruna CZK	Denmark Danish krone DKK	Estonia Estonian kroon EEK ¹	Hungary Hungarian forint HUF	Latvia Latvian lats LVL ¹	Lithuania Lithuanian litas LTL ¹
End of year									
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	–	–
2019	1.9558	7.4395	–	25.408	7.4715	–	330.53	–	–
Annual averages ⁺									
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	–	–
2019	1.9558	7.4180	–	25.670	7.4661	–	325.30	–	–

Period	EU member countries (cont'd)						Other European and non-European countries			
	Malta Maltese lira MTL ¹	Poland Polish zloty PLN	Romania Romanian leu RON	Slovakia Slovak koruna SKK ¹	Slovenia Slovenian tolar SIT ¹	Sweden Swedish krona SEK	Australia Australian dollar AUD	Brazil Brazilian real BRL ²	Canada Canadian dollar CAD	China Chinese yuan renminbi CNY
End of year										
2006	0.4293	3.8310	3.3835	34.435	239.6400	9.0404	1.6691	2.8141	1.5281	10.2793
2007	0.4293	3.5935	3.6077	33.583	–	9.4415	1.6757	2.5914	1.4449	10.7524
2008	–	4.1535	4.0225	30.126	–	10.8700	2.0274	3.2436	1.6998	9.4956
2009	–	4.1045	4.2363	–	–	10.2520	1.6008	2.5113	1.5128	9.8350
2010	–	3.9750	4.2620	–	–	8.9655	1.3136	2.2177	1.3322	8.8220
2011	–	4.4580	4.3233	–	–	8.9120	1.2723	2.4159	1.3215	8.1588
2012	–	4.0740	4.4445	–	–	8.5820	1.2712	2.7036	1.3137	8.2207
2013	–	4.1543	4.4710	–	–	8.8591	1.5423	3.2576	1.4671	8.3491
2014	–	4.2732	4.4828	–	–	9.3930	1.4829	3.2207	1.4063	7.5358
2015	–	4.2639	4.5240	–	–	9.1895	1.4897	4.3117	1.5116	7.0608
2016	–	4.4103	4.5390	–	–	9.5525	1.4596	3.4305	1.4188	7.3202
2017	–	4.1770	4.6585	–	–	9.8438	1.5346	3.9729	1.5039	7.8044
2018	–	4.3014	4.6635	–	–	10.2548	1.6220	4.4440	1.5605	7.8751
2019	–	4.2568	4.7830	–	–	10.4468	1.5995	4.5157	1.4598	7.8205
Annual averages ⁺										
2006	0.4293	3.8959	3.5258	37.234	239.5961	9.2544	1.6668	2.7333	1.4237	10.0096
2007	0.4293	3.7837	3.3353	33.775	–	9.2501	1.6348	2.6633	1.4678	10.4178
2008	–	3.5121	3.6826	31.262	–	9.6152	1.7416	2.6737	1.5594	10.2236
2009	–	4.3276	4.2399	–	–	10.6191	1.7727	2.7674	1.5850	9.5277
2010	–	3.9947	4.2122	–	–	9.5373	1.4423	2.3314	1.3651	8.9712
2011	–	4.1206	4.2391	–	–	9.0298	1.3484	2.3265	1.3761	8.9960
2012	–	4.1847	4.4593	–	–	8.7041	1.2407	2.5084	1.2842	8.1052
2013	–	4.1975	4.4190	–	–	8.6515	1.3777	2.8687	1.3684	8.1646
2014	–	4.1843	4.4437	–	–	9.0985	1.4719	3.1211	1.4661	8.1857
2015	–	4.1841	4.4454	–	–	9.3535	1.4777	3.7004	1.4186	6.9733
2016	–	4.3632	4.4904	–	–	9.4689	1.4883	3.8561	1.4659	7.3522
2017	–	4.2570	4.5688	–	–	9.6351	1.4732	3.6054	1.4647	7.6290
2018	–	4.2615	4.6540	–	–	10.2583	1.5797	4.3085	1.5294	7.8081
2019	–	4.2976	4.7453	–	–	10.5891	1.6109	4.4134	1.4855	7.7355

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ Accession to the euro area, see p. 7 (Table I. 1.). ² 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	Hong Kong Hong Kong dollar HKD	Iceland Icelandic krona ISK ¹	India Indian rupee INR ²	Indonesia Indonesian rupiah IDR	Israel New shekel ILS ³	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR	Mexico Mexican peso MXN ⁴	New Zealand New Zealand dollar NZD
End of year										
2006	10.2409	93.13	58.2180	11,844.44	5.5677	156.93	1,224.81	4.6490	14.2899	1.8725
2007	11.4800	91.90	57.8620	13,826.70	5.6539	164.93	1,377.96	4.8682	16.0732	1.9024
2008	10.7858	–	67.4370	15,239.12	5.2919	126.14	1,839.13	4.8048	19.2333	2.4191
2009	11.1709	–	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223	1.9803
2010	10.3856	–	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475	1.7200
2011	10.0510	–	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512	1.6737
2012	10.2260	–	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845	1.6045
2013	10.6933	–	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731	1.6762
2014	9.4170	–	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679	1.5525
2015	8.4376	–	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145	1.5923
2016	8.1751	–	71.5935	14,173.43	4.0477	123.40	1,269.36	4.7287	21.7719	1.5158
2017	9.3720	–	76.6055	16,239.12	4.1635	135.01	1,279.61	4.8536	23.6612	1.6850
2018	8.9675	133.20	79.7298	16,500.00	4.2972	125.85	1,277.93	4.7317	22.4921	1.7056
2019	8.7473	135.80	80.1870	15,595.60	3.8845	121.94	1,296.28	4.5953	21.2202	1.6653
Annual averages +										
2006	9.7545	87.76	56.8435	11,512.37	5.5920	146.02	1,198.58	4.6044	13.6936	1.9373
2007	10.6912	87.63	56.4186	12,528.33	5.6278	161.25	1,272.99	4.7076	14.9743	1.8627
2008	11.4541	143.83	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911	2.0770
2009	10.8114	–	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989	2.2121
2010	10.2994	–	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373	1.8377
2011	10.8362	–	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877	1.7600
2012	9.9663	–	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029	1.5867
2013	10.3016	–	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641	1.6206
2014	10.3025	–	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550	1.5995
2015	8.6014	–	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157	1.5930
2016	8.5922	–	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673	1.5886
2017	8.8045	–	73.5324	15,118.01	4.0622	126.71	1,276.74	4.8527	21.3286	1.5897
2018	9.2559	127.89	80.7332	16,803.22	4.2423	130.40	1,299.07	4.7634	22.7054	1.7065
2019	8.7715	137.28	78.8361	15,835.27	3.9901	122.01	1,305.32	4.6374	21.5565	1.6998

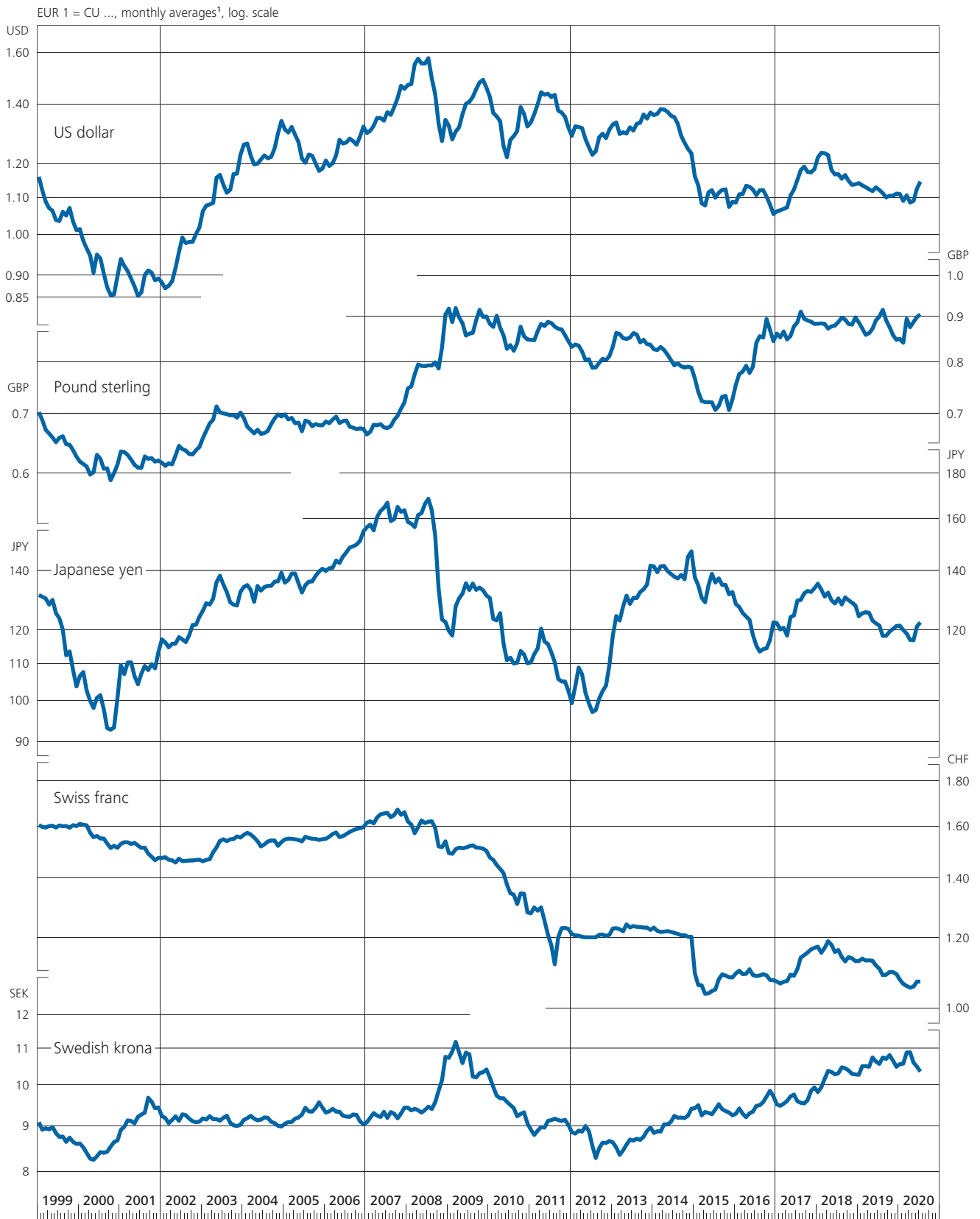
Other European and non-European countries (cont'd)										
Period	Norway Norwegian krona NOK	Philippines Philippine peso PHP	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira ⁵ TRY	United Kingdom ⁶ Pound sterling GBP	United States US dollar USD
End of year										
2006	8.2380	64.546	34.6800	2.0202	9.2124	1.6069	46.770	1.8640	0.67150	1.3170
2007	7.9580	60.724	35.9860	2.1163	10.0298	1.6547	43.800	1.7170	0.73335	1.4721
2008	9.7500	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2.1488	0.95250	1.3917
2009	8.3000	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	0.88810	1.4406
2010	7.8000	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	0.86075	1.3362
2011	7.7540	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	0.83530	1.2939
2012	7.3483	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	0.81610	1.3194
2013	8.3630	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	0.83370	1.3791
2014	9.0420	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	0.77890	1.2141
2015	9.6030	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	0.73395	1.0887
2016	9.0863	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	0.85618	1.0541
2017	9.8403	59.795	69.3920	1.6024	14.8054	1.1702	39.121	4.5464	0.88723	1.1993
2018	9.9483	60.113	79.7153	1.5591	16.4594	1.1269	37.052	6.0588	0.89453	1.1450
2019	9.8638	56.900	69.9563	1.5111	15.7773	1.0854	33.415	6.6843	0.85080	1.1234
Annual averages +										
2006	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1.8090	0.68173	1.2556
2007	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1.7865	0.68434	1.3705
2008	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1.9064	0.79628	1.4708
2009	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	0.89094	1.3948
2010	8.0043	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	0.85784	1.3257
2011	7.7934	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	0.86788	1.3920
2012	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	0.81087	1.2848
2013	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	0.84926	1.3281
2014	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	0.80612	1.3285
2015	8.9496	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	0.72584	1.1095
2016	9.2906	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	0.81948	1.1069
2017	9.3270	56.973	65.9383	1.5588	15.0490	1.1117	38.296	4.1206	0.87667	1.1297
2018	9.5975	62.210	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	0.88471	1.1810
2019	9.8511	57.985	72.4553	1.5273	16.1757	1.1124	34.757	6.3578	0.87777	1.1195

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ The ECB did not fix euro foreign exchange reference rates for the Icelandic krona from 4 December 2008 to 31 January 2018. ² Up to December 2008, ECB indicative rates. ³ Up to

December 2010, ECB indicative rates. ⁴ Up to December 2007, ECB indicative rates. ⁵ Up to end-2008, New Turkish lira. ⁶ The United Kingdom ceased to be a member of the European Union on 31 January 2020.

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

4. Exchange rates of major currencies

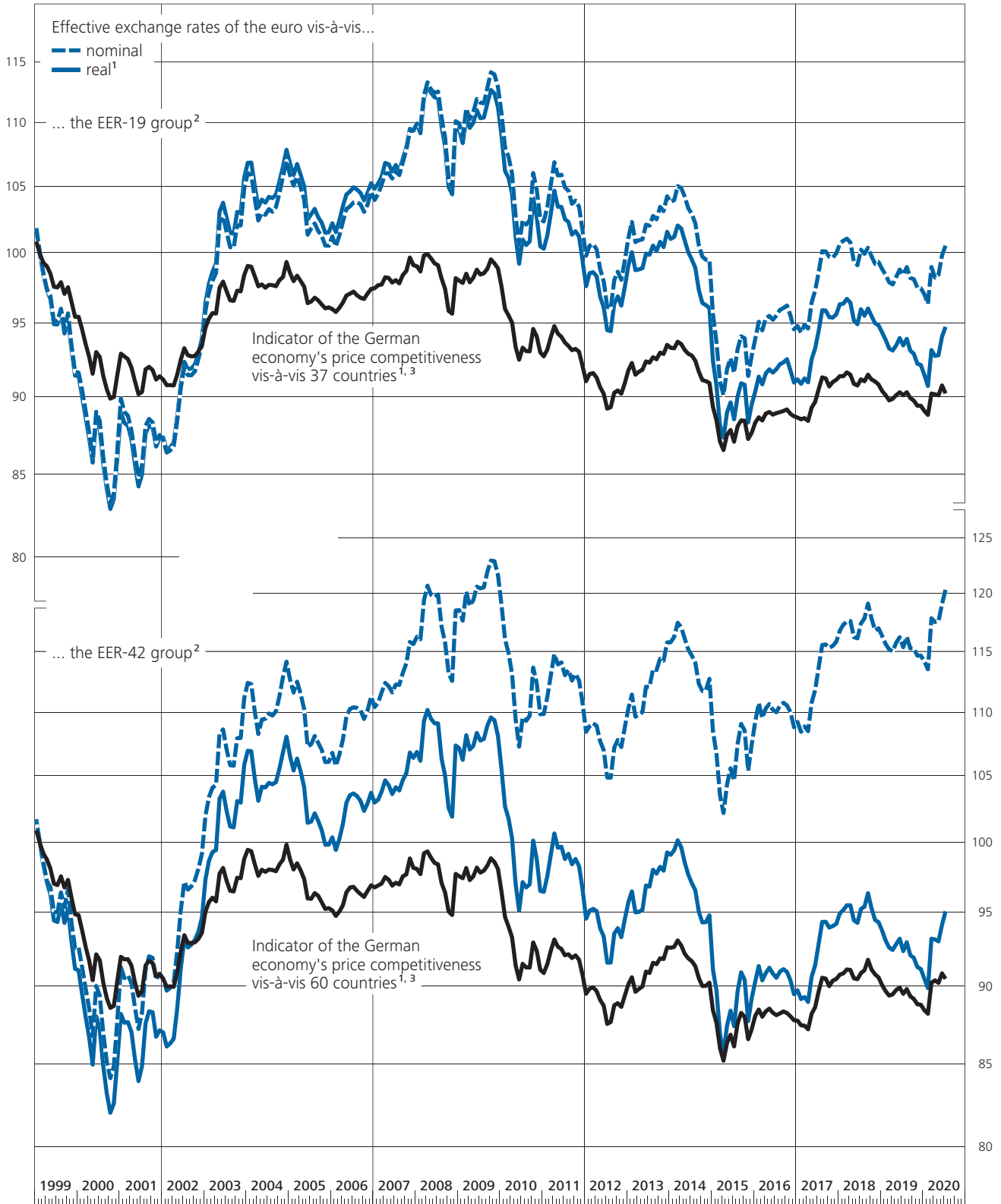


* See explanatory notes, p. 48. ¹ Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

III. Effective exchange rates

1. Effective exchange rates of the euro and indicators of the German economy's price competitiveness*

Q1 1999 = 100, monthly averages, log. scale



Source: ECB and Bundesbank calculation. * The weights are based on trade in manufactured goods and, as from the publication of 1 July 2020, additionally on trade in services. For more detailed information on methodology and definition of country groups, see Explanatory notes, pp. 48–50. A decline in the figures

implies an increase in competitiveness. **1** Based on consumer price indices. **2** Includes the 19 respectively 42 most important trading partners of the euro area economy. **3** Includes the 37 respectively 60 most important trading partners of the German economy.

III. Effective exchange rates

2. Effective exchange rates of the euro *

Q1 1999 = 100

		Effective exchange rate of the euro vis-à-vis the currencies of the group					
		EER-19 1			EER-42 1		
Yearly, quarterly or monthly average	EER-19 1		EER-42 1		EER-42 1		
	Nominal	In real terms based on consumer price indices	In real terms based on the deflators of gross domestic product	In real terms based on unit labour costs of national economy	Nominal	In real terms based on consumer price indices	
1999	96.3	96.1	96.0	96.1	96.5	95.9	
2000	87.2	86.8	86.1	85.8	88.1	86.1	
2001	87.6	87.1	86.8	86.8	90.2	86.9	
2002	89.9	90.2	89.9	90.4	94.5	90.5	
2003	100.5	101.3	101.1	101.8	106.4	101.5	
2004	104.3	105.2	104.0	105.2	110.8	105.3	
2005	102.9	103.9	102.1	103.5	109.0	102.9	
2006	102.9	103.9	101.6	102.4	109.1	102.3	
2007	106.4	106.9	103.8	104.8	112.7	104.5	
2008	110.2	109.8	106.0	109.0	117.4	106.9	
2009	111.7	110.6	107.1	114.7	120.5	108.0	
2010	104.5	102.9	99.0	106.7	111.9	99.0	
2011	104.3	102.0	97.0	105.1	112.7	98.6	
2012	98.6	96.8	91.5	99.0	107.5	93.8	
2013	102.2	99.9	94.4	102.0	112.2	96.8	
2014	102.4	99.3	94.3	102.6	114.6	97.2	
2015	92.6	89.6	85.8	92.3	106.1	88.7	
2016	95.3	91.6	88.0	p 93.4	110.1	90.7	
2017	97.5	93.5	89.0	p 94.2	112.4	91.9	
2018	100.0	95.7	90.4	p 95.5	117.3	95.1	
2019	98.2	93.3	88.6	p 92.9	115.5	92.4	
2018 Aug.	99.9	95.5	90.3	p 95.8	117.8	95.4	
2018 Sep.	100.4	96.0			119.1	96.3	
2018 Oct.	99.7	95.5			117.8	95.3	
2018 Nov.	99.2	95.0	89.7	p 94.8	116.8	94.5	
2018 Dec.	99.3	94.8			117.0	94.3	
2019 Jan.	98.8	94.3			116.3	93.7	
2019 Feb.	98.4	93.8	88.8	p 93.2	115.6	93.0	
2019 Mar.	97.9	93.2			115.2	92.6	
2019 Apr.	97.7	93.1			115.0	92.4	
2019 May	98.2	93.4	88.6	p 93.0	115.7	92.8	
2019 June	98.8	93.9			116.2	93.2	
2019 July	98.4	93.4			115.4	92.3	
2019 Aug.	98.9	93.9	88.8	p 93.2	116.2	92.9	
2019 Sep.	98.2	93.1			115.3	92.1	
2019 Oct.	98.1	92.9			115.3	91.9	
2019 Nov.	97.5	92.2	88.2	p 92.0	114.6	91.3	
2019 Dec.	97.4	92.1			114.7	91.1	
2020 Jan.	97.0	91.4			114.2	90.5	
2020 Feb.	96.3	90.7	88.0	p 92.9	113.5	89.9	
2020 Mar.	99.0	93.1			117.8	p 93.2	
2020 Apr.	98.2	p 92.7			117.5	p 93.1	
2020 May	98.4	p 92.8	...	...	117.6	p 93.0
2020 June	99.8	p 94.0			119.1	p 94.1	
2020 July	100.5	p 94.7			120.3	p 95.1	
2020 July 13	99.9	-	-	-	119.4	-	
2020 July 14	100.4	-	-	-	120.0	-	
2020 July 15	100.5	-	-	-	120.2	-	
2020 July 16	100.5	-	-	-	120.3	-	
2020 July 17	100.6	-	-	-	120.4	-	
2020 July 20	100.5	-	-	-	120.3	-	
2020 July 21	100.2	-	-	-	119.9	-	
2020 July 22	101.0	-	-	-	120.9	-	
2020 July 23	101.0	-	-	-	120.9	-	
2020 July 24	101.1	-	-	-	121.2	-	
2020 July 27	101.8	-	-	-	122.0	-	
2020 July 28	101.5	-	-	-	121.8	-	
2020 July 29	101.4	-	-	-	121.7	-	
2020 July 30	101.5	-	-	-	121.9	-	
2020 July 31	101.8	-	-	-	122.4	-	
2020 Aug. 3	101.4	-	-	-	121.9	-	
2020 Aug. 4	101.6	-	-	-	122.2	-	
2020 Aug. 5	101.7	-	-	-	122.4	-	
2020 Aug. 6	101.7	-	-	-	122.5	-	
2020 Aug. 7	101.7	-	-	-	122.5	-	
2020 Aug. 10	101.5	-	-	-	122.2	-	

ECB calculation. * The weights are based on trade in manufactured goods and, as from the publication of 1 July 2020, additionally on trade in services. For information on methodology and grouping of countries, see Explanatory notes, pp. 48-50. A decline in the

figures implies an increase in competitiveness. Where current price and wage indices were not available, estimates were used. 1 Includes the 19 respectively 42 most important trading partners for the euro area economy.

III. Effective exchange rates

3. Indicators of the German economy's price competitiveness *

Q1 1999 = 100

Yearly, quarterly or monthly average	Based on the deflators of total sales vis-à-vis				Based on consumer price indices vis-à-vis					
	26 selected industrial countries ¹			37 countries ²	26 selected industrial countries ¹			37 countries ²	60 countries ²	
	Total	of which:			Total	of which:				
		Euro area countries	Non-euro area countries			Euro area countries	Non-euro area countries			
1999	97.9	99.5	95.9	97.7	98.2	100.1	96.0	98.1	97.8	
2000	91.9	97.4	85.5	91.1	93.0	99.0	86.1	92.2	91.2	
2001	91.7	96.4	86.2	90.5	92.9	98.1	86.9	91.6	91.0	
2002	92.3	95.5	88.6	91.0	93.4	96.8	89.4	92.1	91.9	
2003	95.9	94.6	97.8	95.3	97.0	95.7	98.9	96.7	96.8	
2004	96.2	93.4	100.2	95.6	98.4	95.4	102.8	98.1	98.5	
2005	94.8	91.9	99.1	93.3	98.4	95.1	103.1	97.1	96.8	
2006	93.6	90.3	98.5	91.7	98.5	94.8	103.9	96.7	96.0	
2007	94.6	89.5	102.3	92.0	100.9	95.1	109.6	98.2	97.4	
2008	94.9	88.2	105.4	91.3	102.3	94.5	114.6	98.4	97.6	
2009	95.2	89.0	104.9	92.0	101.9	94.4	113.5	98.5	98.0	
2010	92.6	88.6	98.4	88.2	98.8	94.0	105.8	94.2	92.5	
2011	92.1	88.4	97.8	87.4	98.2	93.6	104.8	93.4	91.9	
2012	90.1	88.2	92.6	84.7	95.9	93.2	99.6	90.5	89.0	
2013	92.3	88.7	97.7	86.7	98.2	93.3	105.3	92.3	90.9	
2014	92.9	89.6	97.9	87.4	98.2	93.6	104.9	92.5	91.5	
2015	89.7	90.1	88.9	83.5	94.4	94.0	94.6	87.8	87.0	
2016	90.5	90.5	90.4	84.8	95.1	94.0	96.2	88.8	88.2	
2017	91.4	90.3	93.0	85.3	96.4	94.2	99.3	89.9	89.0	
2018	92.4	90.2	95.7	86.0	97.7	94.3	102.6	91.1	90.9	
2019	91.5	90.4	92.9	85.1	96.4	94.3	99.4	89.9	89.5	
2017 Mar.					95.0	94.1	96.0	88.6	87.4	
Apr.					94.8	94.0	95.5	88.4	87.2	
May	90.8	90.4	91.4	84.7	95.7	94.1	97.6	89.3	88.2	
June					96.1	94.1	98.7	89.6	88.6	
July					96.9	94.3	100.5	90.5	89.6	
Aug.	92.5	90.5	95.4	86.3	97.7	94.4	102.6	91.3	90.5	
Sep.					97.7	94.3	102.5	91.2	90.5	
Oct.					97.2	94.0	101.9	90.7	90.0	
Nov.	92.5	90.3	95.8	86.1	97.7	94.4	102.4	91.0	90.4	
Dec.					97.8	94.4	102.8	91.1	90.5	
2018 Jan.					98.2	94.2	104.0	91.4	90.7	
Feb.	93.0	90.1	97.3	86.4	98.2	94.3	104.0	91.3	90.8	
Mar.					98.4	94.4	104.4	91.6	91.1	
Apr.					98.4	94.3	104.4	91.4	91.1	
May	92.5	90.2	95.9	85.8	97.8	94.3	102.8	90.8	90.5	
June					97.5	94.4	102.0	90.7	90.4	
July					97.4	94.1	102.3	91.1	90.9	
Aug.	92.2	90.1	95.2	85.9	97.3	94.2	101.7	91.0	91.0	
Sep.					97.7	94.5	102.3	91.4	91.7	
Oct.					97.3	94.4	101.5	91.1	91.1	
Nov.	92.0	90.3	94.5	85.8	97.3	94.5	101.1	91.0	90.8	
Dec.					97.2	94.4	101.1	90.8	90.6	
2019 Jan.					96.8	94.1	100.6	90.4	90.1	
Feb.	91.7	90.3	93.8	85.3	96.7	94.1	100.2	90.1	89.7	
Mar.					96.4	94.0	99.6	89.7	89.4	
Apr.					96.5	94.3	99.6	89.8	89.4	
May	91.6	90.4	93.3	85.1	96.6	94.3	99.7	90.1	89.7	
June					96.8	94.3	100.2	90.3	89.9	
July					96.7	94.4	99.9	90.1	89.5	
Aug.	91.3	90.4	92.6	85.1	96.6	94.3	99.7	90.3	89.8	
Sep.					96.1	94.3	98.6	89.9	89.3	
Oct.					96.1	94.3	98.6	89.7	89.2	
Nov.	91.2	90.6	91.9	85.0	96.0	94.3	98.1	89.4	88.8	
Dec.					95.9	94.3	98.0	89.4	88.8	
2020 Jan.					95.9	94.4	97.9	89.0	88.4	
Feb.	91.2	90.8	91.6	85.0	95.6	94.5	96.9	88.8	88.2	
Mar.					96.6	94.7	99.2	90.2	90.2	
Apr.					96.3	94.7	98.3	p 90.1	p 90.4	
May	...	...	...	...	96.2	94.6	98.3	p 90.1	p 90.2
June					p 97.0	p 94.6	100.1	p 90.7	p 90.8	
July					p 96.4	p 93.7	p 100.0	p 90.2	p 90.5	

* The weights are based on trade in manufactured goods and, as from the publication of 1 July 2020, additionally on trade in services. For information on methodology and grouping of countries, see Explanatory notes, pp. 48-50. A decline in the figures implies an increase in competitiveness. Where current price and wage indices were not avail-

able, estimates were used. ¹ Includes euro area countries (moving composition) as well as the 8 most important trading partners for the German economy. ² Includes the 37 respectively 60 most important trading partners for the German economy.

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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Afghanistan							
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 77.7425	AFN 76.7250	AFN 77.2700	AFN 76.6775
		S	USD 1 =	AFN 77.8425	AFN 76.8250	AFN 77.3700	AFN 76.7775
	AFN	B	EUR 1 =	AFN 86.8579	AFN 83.8200	AFN 85.6533	AFN 87.4450
		S	EUR 1 =	AFN 87.1179	AFN 84.0800	AFN 85.9133	AFN 87.7050
Albania							
Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 109.89	ALL 111.76	ALL 110.95	ALL 105.61
		M	EUR 1 =	ALL 123.10	ALL 124.33	ALL 124.34	ALL 123.95
Algeria							
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 119.3708	DZD 128.4593	DZD 129.2255	DZD 128.2031
		S	USD 1 =	DZD 119.3858	DZD 128.4743	DZD 129.2405	DZD 128.2181
	DZD	B	EUR 1 =	DZD 133.6219	DZD 142.9880	DZD 144.9135	DZD 152.0232
		S	EUR 1 =	DZD 133.6725	DZD 143.0433	DZD 144.9820	DZD 152.0923
Angola ¹							
Luanda 330	Kwanza = 100 cêntimos AOA	M	USD 1 =	AOA 374.840	AOA 581.916	AOA 579.450	AOA 577.762
		M	EUR 1 =	AOA 419.071	AOA 646.188	AOA 649.419	AOA 668.765
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 3.0094	XCD 2.9936	XCD 3.0102	XCD 3.1850
		V, S	EUR 1 =	XCD 3.0416	XCD 3.0255	XCD 3.0424	XCD 3.2190
Argentina ¹							
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 48.0341	ARS 68.3400	ARS 70.2600	ARS 72.1200
		S	USD 1 =	ARS 48.2341	ARS 68.5400	ARS 70.4600	ARS 72.3200
	ARS	B	EUR 1 =	ARS 53.6198	ARS 75.7139	ARS 78.8669	ARS 84.9718
		S	EUR 1 =	ARS 53.9640	ARS 76.1068	ARS 79.2675	ARS 85.3882
Armenia							
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 480.30	AMD 483.91	AMD 482.36	AMD 485.33
		M	EUR 1 =	AMD 537.96	AMD 533.66	AMD 540.44	AMD 575.46
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 199.37	AWG 198.38	AWG 199.65	AWG 210.72
		S	EUR 100 =	AWG 201.37	AWG 200.38	AWG 201.65	AWG 212.84

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.6952	USD 0.6659	USD 0.6863	USD 0.7213
		M	AUD 1 =	EUR 0.6220	EUR 0.5998	EUR 0.6111	EUR 0.6067
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
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 1.9044	AZN 1.8873	AZN 1.9105	AZN 2.0003
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 1.11390	BSD 1.10803	BSD 1.11420	BSD 1.17888
		V, S	EUR 1 =	BSD 1.13349	BSD 1.12752	BSD 1.13380	BSD 1.19961
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 0.37785	BHD 0.37785	BHD 0.37785	BHD 0.37785
		B	EUR 1 =	BHD 0.4095324	BHD 0.4167648 v	BHD 0.4114550	BHD 0.4291770
		S	EUR 1 =	BHD 0.4348643	BHD 0.4207738 v	BHD 0.4369050	BHD 0.4557230
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 84.4875	BDT 84.9500	BDT 84.8500	BDT 84.8000
		S	USD 1 =	BDT 84.4875	BDT 84.9500	BDT 84.8500	BDT 84.8000
		B	EUR 1 =	BDT 94.4087	BDT 94.2775	BDT 95.3714	BDT 99.9792
		S	EUR 1 =	BDT 94.4389	BDT 94.2945	BDT 95.4053	BDT 100.0131
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 2.22660	BBD 2.20719	BBD 2.23626	BBD 2.35643
		S	EUR 1 =	BBD 2.26834	BBD 2.24857	BBD 2.27819	BBD 2.40061
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.0921	BYN 2.4100	BYN 2.4008	BYN 2.4386
		M	EUR 1 =	BYN 2.3430	BYN 2.6772	BYN 2.7036	BYN 2.8660

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
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 2.2193	BZD 2.2043	BZD 2.2242	BZD 2.3447	
	S	EUR 1 =	BZD 2.2585	BZD 2.2433	BZD 2.2634	BZD 2.3861	
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc	V	USD 1 =	XOF 585.937	XOF 589.042	XOF 585.780	XOF 553.644
	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 1.1150	BMD 1.1091	BMD 1.1153	BMD 1.1801	
	V, S	EUR 1 =	BMD 1.1243	BMD 1.1184	BMD 1.1246	BMD 1.1899	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 69.42	BTN 74.70	BTN 74.45	BTN 73.75
		S	USD 1 =	BTN 71.58	BTN 77.00	BTN 76.75	BTN 76.10
	B	EUR 1 =	BTN 77.58	BTN 82.20	BTN 83.45	BTN 86.60	
	S	EUR 1 =	BTN 79.73	BTN 84.45	BTN 85.75	BTN 89.05	
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 7.6777	BOB 7.6393	BOB 7.6818	BOB 8.1277	
	V, S	EUR 1 =	BOB 7.7896	BOB 7.7507	BOB 7.7938	BOB 8.2462	
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.745661	BAM 1.771006	BAM 1.728944	BAM 1.661364
		S	USD 1 =	BAM 1.754412	BAM 1.779884	BAM 1.737610	BAM 1.669692
	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 0.0932	USD 0.0846	USD 0.0848	USD 0.0868
		S	BWP 1 =	USD 0.0930	USD 0.0844	USD 0.0846	USD 0.0866
	B	BWP 1 =	EUR 0.0832	EUR 0.0760	EUR 0.0756	EUR 0.0733	
	S	BWP 1 =	EUR 0.0830	EUR 0.0759	EUR 0.0755	EUR 0.0731	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.9450	BRL 5.4257	BRL 5.4754	BRL 5.2027
		S	USD 1 =	BRL 3.9456	BRL 5.4263	BRL 5.4760	BRL 5.2033
	BRL	B	EUR 1 =	BRL 4.4095	BRL 6.0258	BRL 6.1522	BRL 6.1491
		S	EUR 1 =	BRL 4.4114	BRL 6.0286	BRL 6.1539	BRL 6.1519
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3544	BND 1.4071	BND 1.3839	BND 1.3613
		S	USD 1 =	BND 1.3727	BND 1.4279	BND 1.4021	BND 1.3815
	BND	B	EUR 1 =	BND 1.4998	BND 1.5426	BND 1.5368	BND 1.6000
		S	EUR 1 =	BND 1.5546	BND 1.5990	BND 1.5922	BND 1.6553
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.74707	BGN 1.75631	BGN 1.74659	BGN 1.65077
		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 585.937	XOF 589.042	XOF 585.780	XOF 553.644
		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 1,830.0200	BIF 1,894.0752	BIF 1,899.6800	BIF 1,901.5227
		S	USD 1 =	BIF 1,866.9901	BIF 1,924.6248	BIF 1,930.3200	BIF 1,939.9373
	BIF	B	EUR 1 =	BIF 2,048.8141	BIF 2,103.0864	BIF 2,130.7761	BIF 2,237.5218
		S	EUR 1 =	BIF 2,090.2042	BIF 2,137.0071	BIF 2,165.1434	BIF 2,282.7242
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos CVE	B	USD 1 =	CVE 98.564	CVE 99.99432	CVE 97.61701	CVE 93.79749
		S	USD 1 =	CVE 98.766	CVE 100.19632	CVE 97.81901	CVE 93.99949
	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 4,055	KHR 4,116	KHR 4,093	KHR 4,099
		B	EUR 1 =	KHR 4,538	KHR 4,558	KHR 4,602	KHR 4,867
	S	EUR 1 =	KHR 4,583	KHR 4,604	KHR 4,648	KHR 4,916	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 589.042	XAF 585.780	XAF 553.644
		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 1.3269	CAD 1.3787	CAD 1.3628	CAD 1.3404
		M	EUR 1 =	CAD 1.4807	CAD 1.5314	CAD 1.5305	CAD 1.5831

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
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 0.9329	KYD 0.9280	KYD 0.9332	KYD 0.9873
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 589.042	XAF 585.780	XAF 553.644
		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 585.937	XAF 589.042	XAF 585.780	XAF 553.644
		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 704.01	CLP 812.74	CLP 816.36	CLP 754.45
		M	EUR 1 =	CLP 787.30	CLP 900.84	CLP 916.33	CLP 892.52
China							
Beijing 720	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.8999	CNY 7.1316	CNY 7.0795	CNY 6.9848
		M	EUR 1 =	CNY 7.7181	CNY 7.8970	CNY 7.9610	CNY 8.2882
		M	HKD 1 =	CNY 0.87996	CNY 0.91989	CNY 0.91344	CNY 0.90125
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.830	TWD 29.970	TWD 29.580	TWD 29.250
		S	USD 1 =	TWD 30.930	TWD 30.070	TWD 29.680	TWD 29.350
		B	EUR 1 =	TWD 34.40	TWD 33.14	TWD 33.07	TWD 34.64
		S	EUR 1 =	TWD 34.80	TWD 33.54	TWD 33.47	TWD 35.04
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,285.734	COP 3,723.42	COP 3,758.91	COP 3,739.49
		V, M	EUR 1 =	COP 3,675.671	COP 4,146.401	COP 4,209.227	COP 4,430.548
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 439.45310	KMF 441.78138	KMF 439.33537	KMF 415.23274
		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 585.937	XAF 589.042	XAF 585.780	XAF 553.644
		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. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,615.5594	CDF 1,781.6514	CDF 1,866.2622	CDF 1,932.3950
		S	USD 1 =	CDF 1,681.6740	CDF 1,854.3719	CDF 1,942.4362	CDF 2,011.2682
	CDF	B	EUR 1 =	CDF 1,811.0131	CDF 1,954.3550	CDF 2,094.4716	CDF 2,271.8975
		S	EUR 1 =	CDF 1,884.9217	CDF 2,034.1245	CDF 2,179.9602	CDF 2,364.6280
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6042	EUR 0.5701	EUR 0.5825	EUR 0.5745
		S	NZD 1 =	EUR 0.5779	EUR 0.5485	EUR 0.5605	EUR 0.5529
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 582.03	CRC 570.22	CRC 577.51	CRC 582.15
		S	USD 1 =	CRC 588.40	CRC 576.93	CRC 583.49	CRC 588.33
	CRC	V, B	EUR 1 =	CRC 651.7240	CRC 634.9970	CRC 646.6957	CRC 689.7313
		V, S	EUR 1 =	CRC 658.8577	CRC 642.4692	CRC 653.3921	CRC 697.0534
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 589.042	XOF 585.780	XOF 553.644
		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 6.601452	HRK 6.869078	HRK 6.687498	HRK 6.356387
		S	USD 1 =	HRK 6.641180	HRK 6.910416	HRK 6.727744	HRK 6.394641
	HRK	B	EUR 1 =	HRK 7.394331	HRK 7.561480	HRK 7.536142	HRK 7.471934
		S	EUR 1 =	HRK 7.438830	HRK 7.606986	HRK 7.581494	HRK 7.516900
Cuba ¹							
Havana 448	Convertible peso/ Cuban peso = 100 centavos	⁴ B	CUC 1 =	USD 1.01009	USD 1.01009	USD 1.01009	USD 1.01009
		⁴ S	CUC 1 =	USD 0.99010	USD 0.99010	USD 0.99010	USD 0.99010
	CUC/CUP	B	EUR 1 =	CUC 1.10740	CUC 1.09548	CUC 1.11241	CUC 1.16607
		S	EUR 1 =	CUC 1.12978	CUC 1.11762	CUC 1.13489	CUC 1.18963
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 199.40	ANG 198.39	ANG 199.66	ANG 210.73
		S	EUR 100 =	ANG 203.42	ANG 202.39	ANG 203.68	ANG 214.98
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 22.934	CZK 24.168	CZK 23.879	CZK 22.091
		M	EUR 1 =	CZK 25.659	CZK 26.915	CZK 26.740	CZK 26.175

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 667.03	DKK 669.38	DKK 665.53	DKK 628.31
		M	EUR 100 =	DKK 746.59	DKK 745.42	DKK 745.26	DKK 744.42
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 196.37	DJF 193.79	DJF 197.18	DJF .
		S	EUR 1 =	DJF 203.98	DJF 203.36	DJF 204.88	DJF .
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 3.0094	XCD 2.9936	XCD 3.0102	XCD 3.1850
		V, S	EUR 1 =	XCD 3.0416	XCD 3.0255	XCD 3.0424	XCD 3.2190
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 50.9676	DOP 57.3067	DOP 57.6887	DOP 57.7571
		S	USD 1 =	DOP 51.4344	DOP 58.3393	DOP 58.5078	DOP 58.5399
		B	EUR 1 =	DOP 56.4612	DOP 61.8013	DOP 64.3737	DOP 66.9728
		S	EUR 1 =	DOP 59.8316	DOP 66.0758	DOP 68.0258	DOP 70.2320
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 16.7300	EGP 15.82	EGP 16.07	EGP 15.92
		S	USD 1 =	EGP 16.8300	EGP 15.92	EGP 16.17	EGP 16.02
		B	EUR 1 =	EGP 18.7034	EGP 17.5143	EGP 17.9855	EGP 18.6503
		S	EUR 1 =	EGP 18.8934	EGP 17.7412	EGP 18.1945	EGP 18.8539
El Salvador 1							
San Salvador 428	El Salvador colón = 100 centavos SVC	2	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 9.7956	SVC 9.7440	SVC 9.7983	SVC 10.3670
Equatorial Guinea 1							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 589.042	XAF 585.780	XAF 553.644
		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 16.7610	ERN 16.5105	ERN 16.9305	ERN 17.6205
		S	EUR 1 =	ERN 17.3972	ERN 17.1467	ERN 17.5667	ERN 18.2567
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 29.2198	ETB 34.1621	ETB 34.9263	ETB 35.2684
		S	USD 1 =	ETB 29.8042	ETB 34.8453	ETB 35.6248	ETB 35.9738
	ETB	B	EUR 1 =	ETB 32.6752	ETB 37.6501	ETB 39.2083	ETB 41.3769
S		EUR 1 =	ETB 33.3287	ETB 38.4031	ETB 39.9925	ETB 42.2044	
Eswatini ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 14.4713	SZL 17.5196	SZL 17.2879	SZL 16.7284
		S	USD 1 =	SZL 14.4789	SZL 17.5297	SZL 17.2990	SZL 16.7371
	SZL	B	EUR 1 =	SZL 16.19020	SZL 19.4306	SZL 19.3994	SZL 19.9108
S		EUR 1 =	SZL 16.20051	SZL 19.4456	SZL 19.4081	SZL 19.9227	
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.78407	FKP 0.80898	FKP 0.81482	FKP 0.76007
		V	EUR 1 =	FKP 0.87777	FKP 0.90088	FKP 0.91243	FKP 0.90053
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4715	USD 0.4595	USD 0.4675	USD 0.4799
		S	FJD 1 =	USD 0.4545	USD 0.4425	USD 0.4505	USD 0.4629
	FJD	B	FJD 1 =	EUR 0.4194	EUR 0.4128	EUR 0.4139	EUR 0.4034
S		FJD 1 =	EUR 0.4074	EUR 0.4008	EUR 0.4019	EUR 0.3914	
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Gabon ¹							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 589.042	XAF 585.780	XAF 553.644
		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 50.10	GMD 51.46	GMD 51.57	GMD 51.81
		M	EUR 1 =	GMD 56.49	GMD 56.41	GMD 57.95	GMD 58.28
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.8241	GEL 3.1761	GEL 3.0552	GEL 3.0719
		M	EUR 1 =	GEL 3.1620	GEL 3.5366	GEL 3.4466	GEL 3.6086

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas GHS	B S	USD 1 = USD 1 =	GHS 5.2480 GHS 5.2532	GHS 5.6175 GHS 5.6231	GHS 5.6646 GHS 5.6702	GHS 5.6754 GHS 5.6810
		B S	EUR 1 = EUR 1 =	GHS 5.8682 GHS 5.8727	GHS 6.2378 GHS 6.2433	GHS 6.3577 GHS 6.3649	GHS 6.6915 GHS 6.6972
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.78407 GIP 0.87777	GIP 0.80898 GIP 0.90088	GIP 0.81482 GIP 0.91243	GIP 0.76007 GIP 0.90053
Greece							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
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 3.0094 XCD 3.0416	XCD 2.9936 XCD 3.0255	XCD 3.0102 XCD 3.0424	XCD 3.1850 XCD 3.2190
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.70380 GTQ 8.62411	GTQ 7.68949 GTQ 8.56302	GTQ 7.70026 GTQ 8.62275	GTQ 7.70871 GTQ 9.13328
Guinea							
Conakry 260	Guinean franc GNF	M M	USD 1 = EUR 1 =	GNF 9,192.6286 GNF 10,296.1706	GNF 9,456.8475 GNF 10,394.0171	GNF 9,527.6060 GNF 10,721.4168	GNF 9,590.4527 GNF 11,278.3712
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V 4	USD 1 = EUR 1 =	XOF 585.937 XOF 655.957	XOF 589.042 XOF 655.957	XOF 585.780 XOF 655.957	XOF 553.644 XOF 655.957
Guyana							
Georgetown 488	Guyana dollar = 100 cents GYD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GYD 207.98 GYD 210.45 GYD 232.73 GYD 235.71	GYD 207.98 GYD 210.45 GYD 231.50 GYD 234.47	GYD 207.98 GYD 210.45 GYD 232.96 GYD 235.94	GYD 207.98 GYD 210.45 GYD 244.46 GYD 247.58

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 89.3946	HTG 108.9426	HTG 113.3133	HTG 119.4706
		V, M	EUR 1 =	HTG 100.0195	HTG 121.3185	HTG 126.8882	HTG 141.5488
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 24.5217	HNL 24.8354	HNL 24.7149	HNL 24.6351
		S	USD 1 =	HNL 24.6934	HNL 25.0092	HNL 24.8879	HNL 24.8075
		V, B	EUR 1 =	HNL 27.4496	HNL 27.6567	HNL 27.6757	HNL 29.1877
		V, S	EUR 1 =	HNL 27.6418	HNL 27.8502	HNL 27.8695	HNL 29.3919
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.80686	HKD 7.72260	HKD 7.71910	HKD 7.71890
		S	USD 1 =	HKD 7.86088	HKD 7.78500	HKD 7.78140	HKD 7.78120
		B	EUR 1 =	HKD 8.70052	HKD 8.54040	HKD 8.60140	HKD 9.08640
		S	EUR 1 =	HKD 8.82890	HKD 8.72690	HKD 8.78780	HKD 9.27330
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 290.65	HUF 313.35	HUF 317.83	HUF 290.67
		M	EUR 1 =	HUF 326.03	HUF 348.35	HUF 356.57	HUF 344.74
Iceland							
Reykjavik 024	Icelandic krona ISK	M	USD 1 =	ISK 122.437	ISK 135.42	ISK 138.58	ISK 134.78
		M	EUR 1 =	ISK 136.860	ISK 150.80	ISK 155.40	ISK 159.80
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 70.4119	INR 75.6369	INR 75.5270	INR 74.7722
		M	EUR 1 =	INR 78.8192	INR 83.9146	INR 84.6658	INR 88.8737
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,070.79	IDR 14,659.34	IDR 14,230.49	IDR 14,579.74
		S	USD 1 =	IDR 14,212.13	IDR 14,806.67	IDR 14,373.51	IDR 14,726.27
		B	EUR 1 =	IDR 15,736.06	IDR 16,248.41	IDR 15,999.34	IDR 17,163.27
		S	EUR 1 =	IDR 15,897.25	IDR 16,417.64	IDR 16,161.57	IDR 17,341.66
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	² M	USD 1 =	IRR 42,000	IRR 42,000	IRR 42,000	IRR 42,000
		² M	EUR 1 =	IRR 47,002	IRR 46,642	IRR 47,215	IRR 49,477
		³ M	USD 1 =	IRR 127,350	IRR 176,000	IRR 206,000	IRR 235,500
		³ M	EUR 1 =	IRR 142,808	IRR 195,450	IRR 231,150	IRR 278,600

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Central bank rate. ³ Bureau de change rate.

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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Iraq ¹							
Baghdad 612	Iraqi dinar = 1,000 fils	2 B	USD 1 =	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00
			USD 1 =	IQD 1,190.00	IQD 1,190.00	IQD 1,190.00	
		B	EUR 1 =	IQD 1,322.806	IQD 1,300.200 4	IQD 1,333.769	IQD 1,384.949
			EUR 1 =	IQD 1,331.759	IQD 1,309.000 4	IQD 1,342.796	IQD 1,394.323
		3 S	USD 1 =	IQD 1,195.91	IQD 1,218.187 4	IQD 1,224.324	IQD 1,238.916
IQD	V, S	EUR 1 =	IQD 1,338.75	IQD 1,340.01 4	IQD 1,371.00	IQD 1,467.87	
Ireland							
Dublin 007	Euro = 100 cent EUR		M EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Israel							
Jerusalem 624	New shekel = 100 agorot ILS		M USD 1 =	ILS 3.5643	ILS 3.5020	ILS 3.4660	ILS 3.4080
			M EUR 1 =	ILS 3.9816	ILS 3.8534	ILS 3.8828	ILS 4.0388
Italy							
Rome 005	Euro = 100 cent EUR		M EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Jamaica							
Kingston 464	Jamaican dollar = 100 cents JMD	B	USD 1 =	JMD 132.5023	JMD 143.4518	JMD 139.6168	JMD 146.4402
			USD 1 =	JMD 134.1077	JMD 144.0905	JMD 140.0885	JMD 148.2773
		B	EUR 1 =	JMD 143.87390	JMD 156.8101	JMD 153.5664	JMD 166.4605
			EUR 1 =	JMD 150.12124	JMD 163.4007	JMD 161.7597	JMD 176.1962
Japan							
Tokyo 732	Japanese yen = 100 sen JPY	B	USD 1 =	JPY 107.99	JPY 106.53	JPY 106.74	JPY 103.60
			USD 1 =	JPY 109.99	JPY 108.53	JPY 108.74	JPY 105.60
		B	EUR 1 =	JPY 120.65	JPY 117.63	JPY 119.58	JPY 122.63
			EUR 1 =	JPY 123.65	JPY 120.63	JPY 122.58	JPY 125.63
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
			USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
		B	EUR 1 =	JOD 0.79156	JOD 0.78376	JOD 0.79239	JOD 0.82921
			EUR 1 =	JOD 0.79615	JOD 0.79130	JOD 0.79889	JOD 0.83560
Kazakhstan							
Nur-Sultan 079	Tenge = 100 tiyn KZT		M USD 1 =	KZT 382.96	KZT 411.54	KZT 403.83	KZT 418.00
			M EUR 1 =	KZT 428.91	KZT 458.13	KZT 455.12	KZT 491.36

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. **1** See Explanatory notes on individual countries, pp. 53 ff.

2 Official rate; value against the US dollar. **3** Market rate. **4** Exchange rate as of 21 May 2020.

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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Kenya ¹							
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 102.0469	KES 106.8435	KES 106.4224	KES 107.6076
		S	USD 1 =	KES 102.2455	KES 107.0435	KES 106.6224	KES 107.8071
	KES	B	EUR 1 =	KES 114.0250	KES 117.6771	KES 120.0112	KES 126.2541
		S	EUR 1 =	KES 114.2775	KES 117.9359	KES 120.2688	KES 126.5247
Korea, Democratic People's Republic of ²							
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 107.60	KPW 108.46	KPW 107.17	KPW .
		S	USD 1 =	KPW 108.67	KPW 109.54	KPW 108.24	KPW .
	KPW	B	EUR 1 =	KPW 120.38	KPW 119.10	KPW 120.51	KPW .
		S	EUR 1 =	KPW 121.58	KPW 120.29	KPW 121.71	KPW .
Korea, Republic of							
Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,155.48	KRW 1,225.90	KRW 1,191.30	KRW 1,179.40
		S	USD 1 =	KRW 1,178.07	KRW 1,250.10	KRW 1,214.70	KRW 1,202.60
	KRW	B	EUR 1 =	KRW 1,291.45	KRW 1,364.12	KRW 1,334.90	KRW 1,396.64
		S	EUR 1 =	KRW 1,317.53	KRW 1,391.66	KRW 1,361.86	KRW 1,424.84
Kuwait							
Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30219	KWD 0.30510	KWD 0.30650	KWD 0.30455
		S	USD 1 =	KWD 0.30600	KWD 0.31320	KWD 0.31010	KWD 0.30815
	KWD	B	EUR 1 =	KWD 0.338360	KWD 0.339515	KWD 0.343433	KWD 0.360572
		S	EUR 1 =	KWD 0.342626	KWD 0.348529	KWD 0.347467	KWD 0.364834
Kyrgyzstan							
Bishkek 083	Kyrgyz som = 100 tyiyn KGS	M	USD 1 =	KGS 69.7811	KGS 73.7678	KGS 75.9887	KGS 76.7553
		M	EUR 1 =	KGS 78.1604	KGS 82.0114	KGS 85.5177	KGS 90.0877
Lao People's Democratic Republic							
Vientiane 684	Kip	B	USD 1 =	LAK 8,701	LAK 8,991	LAK 9,025	LAK 9,052
		S	USD 1 =	LAK 8,715	LAK 9,006	LAK 9,042	LAK 9,069
	LAK	B	EUR 1 =	LAK 9,722	LAK 9,951	LAK 10,137	LAK 10,745
		S	EUR 1 =	LAK 9,767	LAK 9,998	LAK 10,185	LAK 10,796
Latvia							
Riga 054	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Lebanon ¹							
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 1,688.52	LBP 1,675.59	LBP 1,689.15	LBP 1,771.16
Lesotho ¹							
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 14.4518	LSL 17.4302	LSL 17.3639	LSL 16.9361
		M	EUR 1 =	LSL 16.1709	LSL 19.1715	LSL 19.4746	LSL 20.0608

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 187.22	LRD 197.9769	LRD 198.8396	LRD 198.5985
		S	USD 1 =	LRD 188.53	LRD 199.1942	LRD 199.9582	LRD 199.7704
	LRD	V, B	EUR 1 =	LRD 209.3707	LRD 220.4671	LRD 222.6606	LRD 235.2995
		V, S	EUR 1 =	LRD 210.8311	LRD 221.8227	LRD 223.9132	LRD 236.6880
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3950	LYD 1.4061	LYD 1.4007	LYD 1.3708
		S	USD 1 =	LYD 1.4020	LYD 1.4132	LYD 1.4077	LYD 1.3776
	LYD	B	EUR 1 =	LYD 1.5614	LYD 1.5611	LYD 1.5711	LYD 1.6091
		S	EUR 1 =	LYD 1.5692	LYD 1.5689	LYD 1.5789	LYD 1.6172
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0632	MOP 7.9809	MOP 7.9772	MOP 7.9770
		S	USD 1 =	MOP 8.0857	MOP 8.0034	MOP 7.9997	MOP 7.9995
	MOP	B	EUR 1 =	MOP 9.0205	MOP 8.8781	MOP 8.9498	MOP 9.4792
		S	EUR 1 =	MOP 9.0590	MOP 8.9166	MOP 8.9883	MOP 9.5177
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,618.91	MGA 3,780.94	MGA 3,855.38	MGA 3,803.85
		M	EUR 1 =	MGA 4,047.48	MGA 4,177.07	MGA 4,328.15	MGA 4,450.70
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 730.0152	MWK 729.7425	MWK 729.8923	MWK 735.0038
		S	USD 1 =	MWK 748.8212	MWK 743.8893	MWK 744.4887	MWK 749.7024
	MWK	B	EUR 1 =	MWK 817.1855	MWK 810.3060	MWK 818.5012	MWK 874.8750
		S	EUR 1 =	MWK 838.2581	MWK 826.0147	MWK 834.8696	MWK 892.3708
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.0795	MYR 4.2787	MYR 4.2092	MYR 4.1753
		S	USD 1 =	MYR 4.2010	MYR 4.4223	MYR 4.3618	MYR 4.3067
	MYR	B	EUR 1 =	MYR 4.5493	MYR 4.7249	MYR 4.7217	MYR 4.9044
		S	EUR 1 =	MYR 4.7219	MYR 4.9148	MYR 4.9154	MYR 5.0842

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.38	MVR 15.39	MVR 15.41	MVR 15.41
		V, M	EUR 1 =	MVR 17.21739	MVR 17.13830	MVR 17.25612	MVR 18.25777
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 589.042	XOF 585.780	XOF 553.644
		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 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Mauritania							
Nouakchott 228	Ouguiya MRU	B	USD 1 =	MRU 36.66	MRU 37.66	MRU 37.45	MRU 37.32
		S	USD 1 =	MRU 37.02	MRU 38.03	MRU 37.82	MRU 37.69
		B	EUR 1 =	MRU 41.05	MRU 41.44	MRU 41.98	MRU 43.84
		S	EUR 1 =	MRU 41.46	MRU 41.85	MRU 42.41	MRU 44.28
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 35.1821	MUR 39.5749	MUR 39.7097	MUR 39.4827
		S	USD 1 =	MUR 36.0814	MUR 40.4743	MUR 40.6093	MUR 40.3821
		B	EUR 1 =	MUR 39.2334	MUR 43.7812	MUR 44.4771	MUR 46.7787
		S	EUR 1 =	MUR 40.3539	MUR 44.9786	MUR 45.7042	MUR 48.0695
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 19.2133	MXN 22.2070	MXN 22.9430	MXN 22.2000
		S	USD 1 =	MXN 19.2189	MXN 22.2240	MXN 22.9570	MXN 22.2100
		V, B	EUR 1 =	MXN 21.6387	MXN 24.7297	MXN 25.6916	MXN 26.3026
		V, S	EUR 1 =	MXN 21.6451	MXN 24.7486	MXN 25.7072	MXN 26.3144
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 17.5804	MDL 17.6277	MDL 17.2276	MDL 16.7621
		M	EUR 1 =	MDL 19.6863	MDL 19.4009	MDL 19.4440	MDL 19.6888
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,666.78	MNT 2,805.97	MNT 2,823.89	MNT 2,844.70
		M	EUR 1 =	MNT 2,985.10	MNT 3,115.89	MNT 3,169.39	MNT 3,372.39
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.6194	MAD 9.7757	MAD 9.7195	MAD 9.3599
		M	EUR 1 =	MAD 10.7721	MAD 10.8911	MAD 10.8965	MAD 10.9810

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month			
					May 2020	June 2020	July 2020	
Mozambique								
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 61.93	MZN 68.63	MZN 69.42	MZN 70.17	
		S	USD 1 =	MZN 63.14	MZN 70.00	MZN 70.80	MZN 71.57	
	MZN	B	EUR 1 =	MZN 69.27	MZN 76.29	MZN 77.80	MZN 83.26	
		S	EUR 1 =	MZN 70.63	MZN 77.81	MZN 79.35	MZN 84.92	
	Myanmar							
	Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,515.79	MMK 1,401.00	MMK 1,375.30	MMK 1,363.70
M			EUR 1 =	MMK 1,696.96	MMK 1,557.20	MMK 1,543.80	MMK 1,602.80	
Namibia ¹								
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 14.4649	NAD 17.5366	NAD 17.3147	NAD 16.7821	
		M	EUR 1 =	NAD 16.1826	NAD 19.4536	NAD 19.4192	NAD 19.9470	
Nepal								
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 112.39	NPR 120.90	NPR 120.64	NPR 119.45	
		S	USD 1 =	NPR 112.99	NPR 121.50	NPR 121.24	NPR 120.05	
	NPR	B	EUR 1 =	NPR 125.65	NPR 133.04	NPR 136.06	NPR 140.46	
		S	EUR 1 =	NPR 126.32	NPR 133.70	NPR 136.73	NPR 141.16	
Netherlands								
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848	
New Caledonia ¹								
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.38	USD 9.33	USD 9.38	USD 9.93	
		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 0.6742	USD 0.6326	USD 0.6546	USD 0.6834	
		S	NZD 1 =	USD 0.6499	USD 0.6088	USD 0.6299	USD 0.6577	
	NZD	B	NZD 1 =	EUR 0.6042	EUR 0.5701	EUR 0.5825	EUR 0.5745	
		S	NZD 1 =	EUR 0.5779	EUR 0.5485	EUR 0.5605	EUR 0.5529	
Nicaragua								
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 33.1826	NIO 34.2560	NIO 34.3391	NIO 34.4252	
		V, M	EUR 1 =	NIO 37.14094	NIO 38.14748	NIO 38.45292	NIO 40.78698	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Niger ¹							
Niamey 240	CFA franc	V	USD 1 =	XOF 585.937	XOF 589.042	XOF 585.780	XOF 553.644
	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 305.93	NGN 360.00	NGN 360.00	NGN 360.00
		S	USD 1 =	NGN 306.93	NGN 361.00	NGN 361.00	NGN 361.00
	NGN	B	EUR 1 =	NGN 342.6227	NGN 400.8960	NGN 403.1640	NGN 421.9560
		S	EUR 1 =	NGN 343.7427	NGN 402.0096	NGN 404.2839	NGN 423.1281
North Macedonia							
Skopje 096	North Macedonia denar = 100 deni	B	USD 1 =	MKD 54.6710	MKD 55.7276	MKD 54.4014	MKD 52.2759
		S	USD 1 =	MKD 55.2205	MKD 56.2876	MKD 54.9482	MKD 52.8013
	MKD	B	EUR 1 =	MKD 61.2040	MKD 61.3895	MKD 61.3865	MKD 61.3876
		S	EUR 1 =	MKD 61.8191	MKD 62.0065	MKD 62.0035	MKD 62.0046
Norway							
Oslo 028	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.7713	NOK 9.7274	NOK 9.7181	NOK 9.0156
		S	USD 1 =	NOK 8.8400	NOK 9.7994	NOK 9.7901	NOK 9.0876
	NOK	B	EUR 1 =	NOK 9.8140	NOK 10.7978	NOK 10.8907	NOK 10.7333
		S	EUR 1 =	NOK 9.8901	NOK 10.8768	NOK 10.9697	NOK 10.8123
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 0.4299008	OMR 0.4264704	OMR 0.4316544	OMR 0.4503552
		S	EUR 1 =	OMR 0.4310973	OMR 0.4276580	OMR 0.4328555	OMR 0.4516050
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 150.06	PKR 161.85	PKR 168.25	PKR 166.75
		S	USD 1 =	PKR 150.56	PKR 162.35	PKR 168.75	PKR 167.25
	PKR	B	EUR 1 =	PKR 167.98	PKR 179.47	PKR 189.11	PKR 195.96
		S	EUR 1 =	PKR 168.56	PKR 180.05	PKR 189.73	PKR 196.55
Panama ¹							
Panama City 442	Balboa = 100 centésimos	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
	PAB	V	EUR 1 =	PAB 1.1195	PAB 1.1136	PAB 1.1198	PAB 1.1848
Papua New Guinea							
Port Moresby 801	Kina = 100 toea	B	PGK 1 =	USD 0.3026	USD 0.2975	USD 0.2965	USD 0.2955
		S	PGK 1 =	USD 0.2876	USD 0.2825	USD 0.2815	USD 0.2805
	PGK	B	PGK 1 =	EUR 0.2669	EUR 0.2623	EUR 0.2574	EUR 0.2436
		S	PGK 1 =	EUR 0.2519	EUR 0.2473	EUR 0.2424	EUR 0.2286

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 6,237.82	PYG 6,628.65	PYG 6,793.79	PYG 6,918.45
		S	USD 1 =	PYG 6,252.06	PYG 6,666.59	PYG 6,820.47	PYG 6,925.18
	PYG	V, B	EUR 1 =	PYG 6,978.71	PYG 7,381.66	PYG 7,607.69	PYG 8,196.98
		V, S	EUR 1 =	PYG 6,994.63	PYG 7,423.91	PYG 7,637.56	PYG 8,204.95
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.333	PEN 3.429	PEN 3.534	PEN 3.522
		S	USD 1 =	PEN 3.337	PEN 3.434	PEN 3.541	PEN 3.529
	PEN	B	EUR 1 =	PEN 3.690	PEN 3.675	PEN 3.913	PEN 4.049
		S	EUR 1 =	PEN 3.840	PEN 3.931	PEN 4.139	PEN 4.437
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 51.41	PHP 50.30	PHP 49.50	PHP 48.85
		S	USD 1 =	PHP 51.91	PHP 50.80	PHP 50.00	PHP 49.35
	PHP	B	EUR 1 =	PHP 55.8464	PHP 54.2290	PHP 54.1278	PHP 55.9882
		S	EUR 1 =	PHP 59.1191	PHP 57.4266	PHP 57.3429	PHP 59.3279
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.8399	PLN 4.0031	PLN 3.9806	PLN 3.7166
		M	EUR 1 =	PLN 4.3018	PLN 4.4503	PLN 4.4660	PLN 4.4072
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
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 4.0748	QAR 4.0535	QAR 4.0761	QAR 4.3127
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.2393	RON 4.3517	RON 4.3233	RON 4.0780
		M	EUR 1 =	RON 4.7509	RON 4.8426	RON 4.8423	RON 4.8316
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 64.6375	RUB 70.7520	RUB 69.9513	RUB 73.3633
		M	EUR 1 =	RUB 72.0631	RUB 78.5489	RUB 78.6812	RUB 86.2532

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 891.345390	RWF 924.309268	RWF 927.800097	RWF 934.341942
		S	USD 1 =	RWF 909.170498	RWF 942.793586	RWF 946.354225	RWF 953.026894
	RWF	B	EUR 1 =	RWF 998.412161	RWF 1,025.382486	RWF 1,042.717417	RWF 1,100.000769
		S	EUR 1 =	RWF 1,018.378388	RWF 1,045.888065	RWF 1,063.569659	RWF 1,121.998562
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.78407	SHP 0.80898	SHP 0.81482	SHP 0.76007
		V	EUR 1 =	SHP 0.87777	SHP 0.90088	SHP 0.91243	SHP 0.90053
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 3.0094	XCD 2.9936	XCD 3.0102	XCD 3.1850
		V, S	EUR 1 =	XCD 3.0416	XCD 3.0255	XCD 3.0424	XCD 3.2190
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 3.0094	XCD 2.9936	XCD 3.0102	XCD 3.1850
		V, S	EUR 1 =	XCD 3.0416	XCD 3.0255	XCD 3.0424	XCD 3.2190
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 3.0094	XCD 2.9936	XCD 3.0102	XCD 3.1850
		V, S	EUR 1 =	XCD 3.0416	XCD 3.0255	XCD 3.0424	XCD 3.2190
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.37749	USD 0.36719	USD 0.37326	USD 0.38111
		M	WST 1 =	EUR 0.33756	EUR 0.33138	EUR 0.33236	EUR 0.32193
Sao Tome and Principe							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 21.9193	STN 22.2404	STN 21.7122	STN 20.8635
		S	USD 1 =	STN 22.2481	STN 22.5740	STN 22.0378	STN 21.1764
	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 4.1937	SAR 4.1713	SAR 4.2172	SAR 4.4229

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. 1 See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 585.937	XOF 589.042	XOF 585.780	XOF 553.644
	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 104.8908	RSD 105.6172	RSD 104.3190	RSD 98.5672
		S	USD 1 =	RSD 105.5220	RSD 106.2528	RSD 104.9468	RSD 99.1604
	RSD	B	EUR 1 =	RSD 117.4979	RSD 117.2350	RSD 117.2233	RSD 117.2358
		S	EUR 1 =	RSD 118.2050	RSD 117.9406	RSD 117.9287	RSD 117.9414
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.8783	SCR 17.5257	SCR 17.7357	SCR 17.8766
		S	USD 1 =	SCR 14.1605	SCR 18.3470	SCR 18.3078	SCR 18.5044
	SCR	B	EUR 1 =	SCR 15.5377	SCR 19.7531	SCR 20.0672	SCR 21.5526
		S	EUR 1 =	SCR 15.8662	SCR 20.2945	SCR 20.5542	SCR 21.9752
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 8,966.53	SLL 9,622.05	SLL 9,644.04	SLL 9,658.51
		S	USD 1 =	SLL 9,147.67	SLL 9,816.44	SLL 9,838.87	SLL 9,853.63
	SLL	B	EUR 1 =	SLL 10,031.56	SLL 10,698.90	SLL 10,813.28	SLL 11,357.91
		S	EUR 1 =	SLL 10,231.12	SLL 10,911.69	SLL 11,030.62	SLL 11,584.06
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3632	SGD 1.4143	SGD 1.3932	SGD 1.3752
		M	EUR 1 =	SGD 1.5255	SGD 1.5685	SGD 1.5658	SGD 1.6195
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 199.40	ANG 198.39	ANG 199.66	ANG 210.73
		S	EUR 100 =	ANG 203.42	ANG 202.39	ANG 203.68	ANG 214.98
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1223	USD 0.1193	USD 0.1205	USD 0.1214
		M	SBD 1 =	EUR 0.10934	EUR 0.10780	EUR 0.10720	EUR 0.10270

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Somalia ¹							
Mogadishu 342	Somali shilling	M	USD 1 =	.	.	.	.
	SOS	M	EUR 1 =	.	.	.	.
South Africa							
Pretoria Seat of parliament: Cape Town 388	South African rand = 100 cents	B	USD 1 =	ZAR 14.2613	ZAR 17.3340	ZAR 17.1988	ZAR 16.7800
		S	USD 1 =	ZAR 14.5788	ZAR 17.6515	ZAR 17.5163	ZAR 17.0975
	ZAR	B	EUR 1 =	ZAR 15.9161	ZAR 19.2484	ZAR 19.2656	ZAR 19.8019
		S	EUR 1 =	ZAR 16.3500	ZAR 19.6831	ZAR 19.7013	ZAR 20.2416
South Sudan							
Juba 225	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 158.2581	SSP .	SSP 163.7759	SSP 164.0639
		M	EUR 1 =	SSP 176.9669	SSP .	SSP 184.3628	SSP 192.5373
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1136	USD 1.1198	USD 1.1848
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 176.7092	LKR 183.5200	LKR 183.8100	LKR 183.3600
		S	USD 1 =	LKR 180.4863	LKR 188.6200	LKR 188.5100	LKR 187.8600
	LKR	B	EUR 1 =	LKR 196.6569	LKR 202.4524	LKR 205.6481	LKR 216.8320
		S	EUR 1 =	LKR 203.5266	LKR 210.1916	LKR 213.0910	LKR 224.5957
Sudan							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 45.6250	SDG 55.0000	SDG 55.0000	SDG 55.0000
		S	USD 1 =	SDG 45.8531	SDG 55.2750	SDG 55.2750	SDG 55.2750
	SDG	B	EUR 1 =	SDG 51.0877	SDG 61.0880	SDG 61.7128	SDG 64.5271
		S	EUR 1 =	SDG 51.3431	SDG 61.3934	SDG 62.0213	SDG 64.8497
Suriname							
Paramaribo 492	Suriname dollar = 100 cents	B	USD 1 =	SRD 7.396	SRD 7.396	SRD 7.396	SRD 7.396
		S	USD 1 =	SRD 7.520	SRD 7.520	SRD 7.520	SRD 7.520
	SRD	B	EUR 1 =	SRD 8.266	SRD 8.147	SRD 8.346	SRD 8.672
		S	EUR 1 =	SRD 8.399	SRD 8.284	SRD 8.486	SRD 8.817
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 9.4073	SEK 9.4157	SEK 9.2965	SEK 8.6011
		S	USD 1 =	SEK 9.5123	SEK 9.5207	SEK 9.4015	SEK 8.7061
	SEK	B	EUR 1 =	SEK 10.5298	SEK 10.4595	SEK 10.4229	SEK 10.2371
		S	EUR 1 =	SEK 10.6448	SEK 10.5745	SEK 10.5379	SEK 10.3521

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9937	CHF 0.9618	CHF 0.9518	CHF 0.9079
		B	EUR 1 =	CHF 1.1110	CHF 1.0693	CHF 1.0679	CHF 1.0765
Syrian Arab Republic ¹							
Damascus 608	Syrian pound = 100 piastres	B	USD 1 =	SYP 434.50	SYP .	SYP 1,250.00 ²	SYP 1,250.00
		S	USD 1 =	SYP 438.17	SYP .	SYP 1,262.50 ²	SYP 1,262.50
	SYP	B	EUR 1 =	SYP 486.83	SYP .	SYP 1,408.00 ²	SYP 1,470.00
		S	EUR 1 =	SYP 490.98	SYP .	SYP 1,422.08 ²	SYP 1,484.70
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 9.5330	TJS 10.2685	TJS 10.3084	TJS 10.3108
		M	EUR 1 =	TJS 10.6743	TJS 11.4247	TJS 11.5640	TJS 12.0925
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,277.1609	TZS 2,280.4752	TZS 2,285.0891	TZS 2,286.3862
		S	USD 1 =	TZS 2,299.9325	TZS 2,303.2800	TZS 2,307.9400	TZS 2,309.2500
		B	EUR 1 =	TZS 2,545.4570	TZS 2,509.8911	TZS 2,575.5239	TZS 2,686.5037
		S	EUR 1 =	TZS 2,571.5823	TZS 2,535.9113	TZS 2,601.9716	TZS 2,714.2925
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 30.8348	THB 31.6722	THB 30.7151	THB 31.0855
		S	USD 1 =	THB 31.1759	THB 32.0178	THB 31.0658	THB 31.4337
		B	EUR 1 =	THB 34.2893	THB 34.9135	THB 34.3318	THB 36.7486
		S	EUR 1 =	THB 34.9954	THB 35.6533	THB 35.0711	THB 37.5024
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 589.042	XOF 585.780	XOF 553.644
		3	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 0.4368	USD 0.4367	USD 0.4361	USD 0.4401
		M	TOP 1 =	EUR 0.3896	EUR 0.3934	EUR 0.3870	EUR 0.3706
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7302	TTD 6.6700	TTD 6.7246	TTD 6.7043
		S	USD 1 =	TTD 6.7710	TTD 6.7622	TTD 6.7553	TTD 6.7649
		B	EUR 1 =	TTD 7.5084	TTD 7.3905	TTD 7.2541	TTD 7.8738
		S	EUR 1 =	TTD 8.0404	TTD 7.9053	TTD 8.6152	TTD 8.5024

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Exchange rate as of 2 July 2020. 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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.9209	TND 2.8592	TND 2.8577	TND 2.7484
			USD 1 =	TND 2.9238	TND 2.8621	TND 2.8606	TND 2.7511
	TND	B S	EUR 1 =	TND 3.2721	TND 3.1848	TND 3.2052	TND 3.2289
			EUR 1 =	TND 3.2754	TND 3.1879	TND 3.2085	TND 3.2322
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 5.6666	TRY 6.7894	TRY 6.8422	TRY 6.9372
			USD 1 =	TRY 5.6768	TRY 6.8016	TRY 6.8545	TRY 6.9497
	TRY	B S	EUR 1 =	TRY 6.3544	TRY 7.4738	TRY 7.7082	TRY 8.1481
			EUR 1 =	TRY 6.3659	TRY 7.4872	TRY 7.7221	TRY 8.1628
Turkmenistan ¹							
Ashgabat 080	Turkmen manat = 100 tenge TMT	2	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 3.9183	TMT 3.8955	TMT 3.9382	TMT 4.1125
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,697.34	UGX 3,779.79	UGX 3,725.33	UGX 3,681.65
			USD 1 =	UGX 3,707.34	UGX 3,789.79	UGX 3,735.33	UGX 3,691.65
	UGX	B S	EUR 1 =	UGX 4,132.84	UGX 4,148.60059	UGX 4,173.57159	UGX 4,318.14450
			EUR 1 =	UGX 4,144.01	UGX 4,159.57634	UGX 4,184.77482	UGX 4,329.87333
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok UAH	M	USD 1 =	UAH 25.8236	UAH 26.9059	UAH 26.6922	UAH 27.6913
		M	EUR 1 =	UAH 28.9192	UAH 29.6234	UAH 29.9500	UAH 32.5470
United Arab Emirates ¹							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils AED	2	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
		V, M	EUR 1 =	AED 4.1112	AED 4.0897	AED 4.1125	AED 4.3512
United Kingdom ¹							
London 006	Pound sterling = 100 pence GBP	M	GBP 1 =	USD 1.2766	USD 1.2368	USD 1.2359	USD 1.3126
		M	EUR 1 =	GBP 0.8743	GBP 0.8994	GBP 0.9089	GBP 0.9012
United States							
Washington 400	US dollar = 100 cents USD	M	EUR 1 =	USD 1.11753	USD 1.1098	USD 1.1231	USD 1.1774
		M	GBP 1 =	USD 1.27613	USD 1.2344	USD 1.2399	USD 1.3088

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Value against the US dollar.

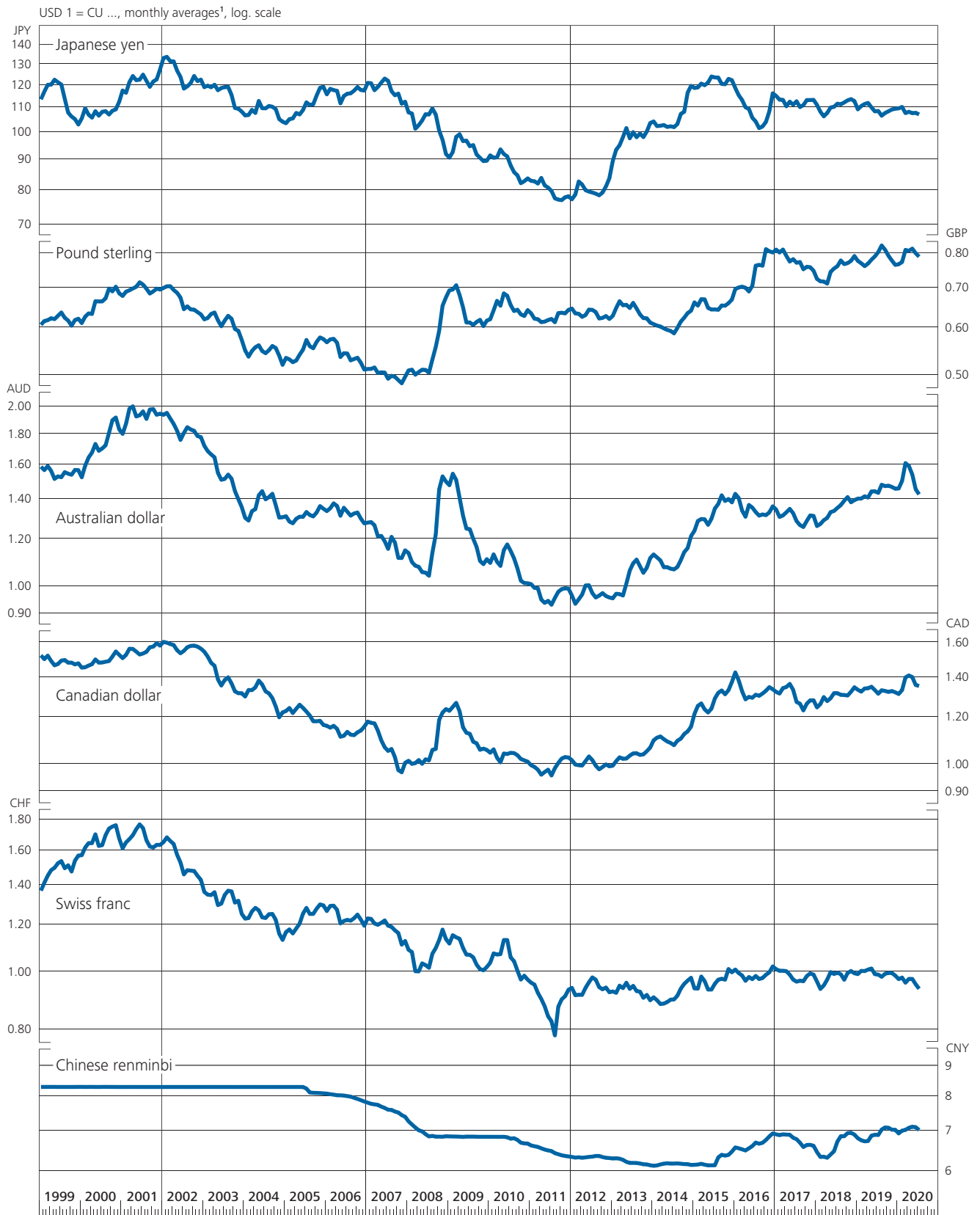
IV. Overview of world currencies *

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 2019	Rate at end of month		
					May 2020	June 2020	July 2020
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 35.277	UYU 43.308	UYU 42.212	UYU 42.376
		M	EUR 1 =	UYU 39.4599	UYU 48.0307	UYU 47.4252	UYU 49.9549
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 8,853.99	UZS 10,139.30	UZS 10,173.38	UZS 10,207.69
		M	EUR 1 =	UZS 9,907.42	UZS 11,051.84	UZS 11,411.48	UZS 11,896.04
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 112.90	VUV 116.26	VUV 113.87	VUV 111.11
		S	USD 1 =	VUV 120.29	VUV 123.65	VUV 121.12	VUV 118.29
		B	EUR 1 =	VUV 127.17	VUV 129.77	VUV 128.99	VUV 129.23
		S	EUR 1 =	VUV 132.41	VUV 135.01	VUV 134.20	VUV 134.78
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	VES 15,870.42	VES 197,615.31	VES 203,906.65	VES 258,448.35
		S	USD 1 =	VES 15,910.20	VES 198,110.59	VES 204,417.69	VES 259,096.09
		B	EUR 1 =	VES 17,630.66	VES 219,821.35	VES 229,048.34	VES 305,547.98
		S	EUR 1 =	VES 17,676.40	VES 220,372.28	VES 229,622.39	VES 306,313.76
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,173	VND 23,190	VND 23,120	VND 23,090
		S	USD 1 =	VND 23,286	VND 23,370	VND 23,300	VND 23,270
		B	EUR 1 =	VND 25,841.32	VND 25,410.17	VND 25,614.81	VND 27,081.12
		S	EUR 1 =	VND 26,611.82	VND 26,438.96	VND 26,651.95	VND 28,177.67
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 279.90	YER 274.15	YER 280.83	YER 293.15
		S	EUR 1 =	YER 280.46	YER 274.70	YER 281.39	YER 293.74
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 12.9734	ZMW 18.2836	ZMW 18.1184	ZMW 18.2386
		S	USD 1 =	ZMW 13.0234	ZMW 18.3336	ZMW 18.1684	ZMW 18.2886
		B	EUR 1 =	ZMW 14.5150	ZMW 20.3533	ZMW 20.3216	ZMW 21.5964
		S	EUR 1 =	ZMW 14.5761	ZMW 20.4163	ZMW 20.3850	ZMW 21.6611
Zimbabwe ¹							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	ZWL 9.49651 ²	ZWL 25.00000	ZWL 57.35820 ¹	ZWL 76.75960
		M	EUR 1 =	ZWL 10.51168 ²	ZWL 27.75500	ZWL 64.41895 ¹	ZWL 91.22900

IV. Overview of world currencies*

2. Exchange rates of the US dollar against major currencies



* See Explanatory notes, p. 50. ¹ Calculated on the basis of national central banks' daily rates.

IV. Overview of world currencies *

3. Currencies in selected territories and states in which the currency of another country is legal tender

Country or territory (country code)	Currency	Country or territory (country code)	Currency
Åland Islands	Euro	Madeira (010)	Euro
Alhucemas	Euro	Marie-Galante (001)	Euro
American Samoa (830)	US dollar	Marshall Islands (824)	US dollar
Andaman Islands	Indian rupee	Martinique (001)	Euro
Andorra 1 (043)	Euro	Mayotte (377)	Euro
Anguilla (446)	East Caribbean dollar	Melilla (023)	Euro
Azores (010)	Euro	Micronesia, Federated States of (823)	US dollar
		Monaco 1 (001)	Euro
		Montenegro (097)	Euro
		Montserrat (470)	East Caribbean dollar
		Mooréa	CFP franc
Baker Island (832)	US dollar		
Balearics	Euro		
Bali	Indonesian rupiah	Nauru (803)	Australian dollar
Bonaire (475)	US dollar	Newfoundland	Canadian dollar
Bora-Bora	CFP franc	Nicobar Islands	Indian rupee
Borneo (northern part) (701)	Malaysian ringgit	Niue (838)	New Zealand dollar
Borneo (southern part) (700)	Indonesian rupiah	Norfolk Island (836)	Australian dollar
British Virgin Islands (468)	US dollar	Northern Mariana Islands (820)	US dollar
Canary Islands (011)	Euro		
Ceuta (021)	Euro	Palau (825)	US dollar
Chafarinas (Islands)	Euro	Pescadore	New Taiwan dollar
Christmas Island (834)	Australian dollar	Pitcairn Islands Group (813)	New Zealand dollar
Cocos Islands (833)	Australian dollar	Puerto Rico (400)	US dollar
Désirade (001)	Euro		
		Réunion (001)	Euro
Easter Island	Chilean peso		
Ecuador 1 (500)	US dollar		
Faroe Islands 1 (041)	Danish krone	Saba (475)	US dollar
(French) Guiana (001)	Euro	San Marino 1 (047)	Euro
French Polynesia (822)	CFP franc	Spitzbergen/Spitsbergen (028)	Norwegian krone
		St Barthélemy (001)	Euro
		St Eustatius (475)	US dollar
		St Martin (northern part) (001)	Euro
		St Pierre and Miquelon (408)	Euro
		Sumatra	Indonesian rupiah
		Swan Islands (424)	Honduran lempira
Galapagos Islands (500)	US dollar		
Gozo (Island of)	Euro	Tahiti (822)	CFP franc
Greenland (406)	Danish krone	Tibet (720)	Chinese renminbi
Guadeloupe (001)	Euro	Timor-Leste 1 (626)	US dollar
Guam (831)	US dollar	Tokelau (839)	New Zealand dollar/Samoan tala
Guernsey 1 (107)	Pound sterling	Turks and Caicos Islands 1 (454)	US dollar
		Tuvalu 1 (807)	Australian dollar
Howland Island (832)	US dollar		
Isle of Man 1 (109)	Pound sterling		
Jarvis Island (832)	US dollar	Vatican City 1 (045)	Euro
Java	Indonesian rupiah	Virgin Islands of the United States (457)	US dollar
Jersey 1 (108)	Pound sterling		
		Wallis and Futuna (Islands) (811)	CFP franc
Kiribati 1 (812)	Australian dollar	Western Sahara (203)	Moroccan dirham
Kosovo (095)	Euro		
	Serbian dinar		
Laccadive Islands	Indian rupee	Zanzibar (Island) (352)	Tanzania shilling
Les Saintes Islands (001)	Euro		
Liechtenstein (037)	Swiss franc		

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

SDR 1 = CU ... , year-end and month-end data as well as daily data

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
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	1.05657	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	9.6666	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013	1.54000	1.11732	9.3977	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
2019	1.38283	1.23588	9.66184	150.894	1.05386	1.80583	1.34362	9.23156	12.1685	12.8879
2018 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
Aug.	1.36834	1.23989	9.77011	145.632	1.12362	1.82130	1.35363	9.24488	12.4460	13.3967
Sep.	1.36331	1.25200	9.71931	147.169	1.10829	1.80543	1.35697	9.34763	12.3889	13.3668
Oct.	1.37939	1.23668	9.70789	150.119	1.06439	1.81528	1.36208	9.23898	12.6784	13.2827
Nov.	1.37290	1.24707	9.65027	149.797	1.06509	1.82294	1.36981	9.31706	12.5979	13.1661
Dec.	1.38283	1.23588	9.66184	150.894	1.05386	1.80583	1.34362	9.23156	12.1685	12.8879
2020 Jan.	1.37695	1.24588	9.56160	150.129	1.04899	1.82212	1.33378	9.31064	12.6947	13.3020
Feb.	1.37328	1.25105	9.61381	150.237	1.06605	1.84418	1.32679	9.34824	12.9970	13.2864
Mar.	1.36480	1.24571	9.68007	148.354	1.10416	1.93624	1.31758	9.30215	14.3382	13.7532
Apr.	1.36640	1.25635	9.63902	145.631	1.09225	1.90066	1.32602	9.37040	14.0510	13.4540
May	1.37202	1.23206	9.80488	146.998	1.11329	1.89160	1.31940	9.18400	13.2914	12.9906
June	1.37570	1.22852	9.72356	148.190	1.12114	1.87480	1.30760	9.15566	13.4056	12.8614
July	1.41307	1.19266	9.87099	147.736	1.07556	1.89408	1.28356	8.87847	12.8000	12.2281
2020 June 19	1.37740	1.22873	9.74963	147.272	1.11242	1.87148	1.30950	9.16070	13.1640	.
22	1.37790	1.22884	9.75068	147.256	1.11264	.	1.30893	9.16011	13.2696	12.9832
23	1.38151	1.22063	9.76143	148.028	1.10955	1.86724	.	9.09819	.	12.8850
24	1.38326	1.22630	9.78426	147.387	1.10476	1.87999	1.30649	9.13960	13.2388	12.8584
25	1.37745	1.22987	.	147.525	1.10701	1.87954	1.30810	9.16666	13.3745	12.8893
26	1.37834	1.22924	.	147.634	1.11040	1.88502	1.30591	9.16061	13.3803	.
29	1.37977	1.22277	9.76601	147.939	1.12008	.	1.30292	9.11336	13.3297	12.8462
30	1.37570	1.22852	9.72356	148.190	1.12114	1.87480	1.30760	9.15566	13.4056	12.8614
July 1	1.37707	1.22953	9.72630	148.297	1.11005	.	1.30457	9.16347	13.2465	12.8294
2	1.38081	1.22347	9.75277	148.409	1.10407	1.87596	1.30293	9.11552	13.0756	12.7991
7	1.38132	1.22349	9.69838	148.243	1.10550	1.87624	1.30410	9.11768	13.0213	12.8342
8	1.38220	1.22470	9.69970	148.821	1.10285	1.87122	1.30127	9.12317	13.0903	12.7562
9	1.38552	1.22159	9.68532	148.639	1.09627	1.87808	1.30121	9.10125	12.9699	12.7122
10	1.38446	1.22779	9.70243	148.068	1.09760	.	1.30347	.	.	12.7944
13	1.38552	1.22298	9.69942	148.015	1.09914	1.87973	1.30495	9.10490	13.0431	12.7218
14	1.38562	1.21813	9.72280	148.594	1.10660	1.88667	1.30200	9.06865	13.0475	12.7331
15	1.39038	1.21495	9.72450	149.160	1.10116	1.88174	1.30772	9.04707	12.9118	12.6250
16	1.38737	1.21550	9.70883	148.380	1.10707	1.87892	1.31232	9.04969	12.9023	12.6168
17	1.38888	1.21533	9.72157	148.971	1.10628	1.88526	1.30707	9.04855	12.8818	12.6050
20	1.39041	1.21455	9.71827	149.469	1.10315	1.88304	1.30511	9.04584	12.8815	12.5461
21	1.39053	1.21518	9.72441	149.092	1.09482	1.86970	1.30362	9.04691	12.7513	12.4562
22	1.39577	1.20554	9.77488	149.152	1.09951	1.87313	1.30149	8.97424	12.6995	12.4031
23	1.39609	1.20675	9.76715	.	1.09816	1.86964	1.29438	8.98174	12.8003	12.3702
24	1.39663	1.20316	9.80546	.	1.09686	1.87441	1.29181	8.95600	12.8681	12.3934
27	1.40486	1.19461	9.83642	148.663	1.09133	1.87943	1.29254	8.89221	12.7445	12.3711
28	1.40553	1.19957	9.84940	148.045	1.09113	1.87962	1.29105	8.92825	12.8282	12.3289
29	1.40679	1.19982	9.84329	147.628	1.08507	1.87947	1.29052	8.92985	12.7869	12.2987
30	1.40706	1.19821	9.85134	147.854	1.08119	1.88996	1.28668	8.91782	12.8463	12.3437
31	1.41307	1.19266	9.87099	147.736	1.07556	1.89408	1.28356	8.87847	12.8000	12.2281
Aug. 3	1.40567	1.19876	9.80565	149.282	1.08012	.	1.29062	8.92674	12.8494	12.3473
4	1.40738	1.19624	9.83284	149.351	1.07986	1.88195	1.28860	8.90742	12.8678	12.2714
5	1.41199	1.19115	9.81528	149.106	1.07592	1.87258	1.28526	8.87508	12.6959	12.2924
6	1.41284	1.19297	9.81441	149.097	1.07265	1.87794	1.28363	8.88762	12.7098	12.2640
7	1.41093	1.19398	9.82077	148.966	1.07890	1.88740	1.28945	8.89308	12.7079	12.2823
10	1.40678	1.19594	9.80046	.	1.08007	1.87862	1.29185	8.90718	12.7117	12.3091

Source: IMF, Washington. * See Explanatory notes, pp. 50-51. 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. 51-52. 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 *

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	GYP	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
			FJD	Fiji dollar	Fiji	KYD	Cayman Islands dollar	Cayman Islands
CAD	Canadian dollar	Canada	FKP	Falkland Islands pound	Falkland Islands (Islas Malvinas)	KZT	Tenge	Kazakhstan
CDF	Congo franc	Congo, Democratic Republic of the				LAK	Kip	Lao People's Democratic Republic
CHF	Swiss franc	Switzerland Liechtenstein	GBP	Pound sterling	United Kingdom Guernsey Isle of Man Jersey	LBP	Lebanese pound	Lebanon
CLP	Chilean peso	Chile				LKR	Sri Lanka rupee	Sri Lanka
CNY	Chinese renminbi	China	GEL	Lari	Georgia	LRD	Liberian dollar	Liberia
COP	Colombian peso	Colombia	GHS	Ghana cedi	Ghana	LSL	Loti	Lesotho
CRC	Costa Rican colón	Costa Rica	GIP	Gibraltar pound	Gibraltar	LYD	Libyan dinar	Libya

* Extracted and compiled from ISO communications. ¹ See Explanatory notes on individual countries, pp. 53 ff.

Explanatory notes

Euro foreign exchange reference rates of the European Central Bank

On 1 January 1999, 11 Member States of the European Union initially adopted the euro as their single currency. On 1 January 2001, Greece joined the euro area, followed by Slovenia on 1 January 2007, Cyprus and Malta on 1 January 2008, Slovakia on 1 January 2009, Estonia on 1 January 2011, Latvia on 1 January 2014 and Lithuania on 1 January 2015 (for details, see Table I. 1., p. 7).

Since the introduction of the euro, there has been no autonomous foreign exchange market for the currencies replaced by the euro; the euro alone is quoted against non-euro area currencies, such as the US dollar and the Japanese yen.

Since 4 January 1999, the ECB has published euro foreign exchange reference rates for selected currencies each working day. These rates are calculated on the basis of the daily concertation between central banks which takes place at 14:15 CET. Only one reference rate, i. e. the middle rate, is established by this procedure. The ECB changed the publication time of the euro foreign exchange reference rates from around 14:30 CET to around 16:00 CET with effect from 1 July 2016. For information on the framework for the euro foreign exchange reference rates, see the ECB's website: <https://www.ecb.europa.eu/stats/pdf/exchange/Frameworkfortheeuroforeignexchangerate-reference-rates.en.pdf?c883afa875c74877fdf4634dcb85688c>.

Effective euro exchange rates

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 the price competitiveness of the euro area economy as a whole. 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 negative impact on the price competitiveness of the domestic economy. The weights are based on the trade in manufactured goods (Sections 5 to 8 of the Standard International Trade Classification (SITC)) and services (Extended Balance

of Payments Services Classification (EBOPS) – Total EBOPS services) and also reflect third-market effects.

The table entitled "Overall trade weights for the effective exchange rates (EER) of the euro" on page 49 shows trading partners' membership of the EER-19 and EER-42 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 preceding period. See the ECB's website for information on the revised trade weights published from July 2020 (<https://www.ecb.europa.eu/stats/pdf/exchange/updatedtradeweights201708202007.pdf?f184ad85cc2c5ccefcd05680706893cde>).

The real effective exchange rates of the euro additionally take account of the differences in price movements between the groups of countries under review. If the current price indices for determining the real effective exchange rate 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 is methodically consistent with the ECB's procedure for determining the effective exchange rates of the euro (see Deutsche Bundesbank, Monthly Report, November 2001, p. 50 ff., May 2007, p. 31 ff. and August 2017, p. 41 ff.).

The indicators are broken down into three groups in Table III. 3. (p. 17).

The group of 26 selected industrialised countries comprises the respective composition of 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.

Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro^o

Figures in %

As of July 2020

Trading partner	Calculation period for weights ¹											
	EER-19						EER-42					
	1995 to 1997	1998 to 2000	2007 to 2009	2010 to 2012	2013 to 2015	2016 to 2018	1995 to 1997	1998 to 2000	2007 to 2009	2010 to 2012	2013 to 2015	2016 to 2018
	Period of use of weights ¹											
	Up to end of 1997	1998 to 2000 ²	2007 to 2009	2010 to 2012	2013 to 2015	From 2016	Up to end of 1997	1998 to 2000 ²	2007 to 2009	2010 to 2012	2013 to 2015	From 2016
EER-42 group							100	100	100	100	100	100
EER-19 group	100	100	100	100	100	100						
Australia	1.00	0.90	1.04	1.14	1.04	1.01	0.82	0.75	0.82	0.89	0.82	0.80
Bulgaria	0.27	0.31	0.63	0.59	0.63	0.67	0.22	0.26	0.50	0.46	0.49	0.53
Canada	1.84	1.95	1.89	1.86	1.80	1.76	1.51	1.61	1.50	1.45	1.42	1.39
China	4.13	4.86	13.65	16.69	17.48	17.55	3.38	4.01	10.83	13.05	13.76	13.88
Croatia	0.66	0.55	0.75	0.59	0.58	0.64	0.54	0.45	0.60	0.46	0.45	0.51
Czechia	2.37	2.52	4.34	4.35	4.24	4.57	1.94	2.08	3.45	3.40	3.33	3.62
Denmark	3.14	2.81	2.92	2.51	2.42	2.36	2.57	2.33	2.32	1.96	1.91	1.86
Hong Kong	3.63	3.30	2.61	2.58	2.56	2.26	2.96	2.73	2.07	2.02	2.01	1.79
Hungary	1.62	2.17	2.86	2.61	2.68	2.81	1.32	1.79	2.27	2.04	2.11	2.22
Japan	10.01	9.05	6.23	5.86	4.81	4.86	8.18	7.47	4.94	4.59	3.78	3.85
Korea, Republic of	2.86	2.56	3.29	3.21	3.07	2.98	2.33	2.11	2.61	2.51	2.42	2.36
Norway	1.69	1.59	1.73	1.59	1.44	1.27	1.38	1.31	1.37	1.24	1.14	1.00
Poland	2.59	2.95	5.53	5.71	5.94	6.48	2.12	2.43	4.39	4.47	4.67	5.13
Romania	0.71	0.80	1.83	1.87	2.09	2.33	0.58	0.66	1.45	1.46	1.65	1.84
Singapore	2.39	2.06	2.06	2.21	2.07	2.17	1.95	1.70	1.64	1.73	1.63	1.72
Sweden	5.11	4.89	4.45	4.30	4.09	3.91	4.17	4.03	3.53	3.36	3.22	3.10
Switzerland	9.70	8.60	8.15	8.33	7.81	7.35	7.92	7.10	6.46	6.51	6.14	5.82
United Kingdom	22.91	22.40	17.07	15.53	15.74	15.09	18.72	18.49	13.55	12.14	12.39	11.94
United States	23.37	25.73	18.97	18.47	19.51	19.93	19.09	21.24	15.05	14.44	15.35	15.77
Additional countries in the EER-42 group												
Algeria							0.36	0.32	0.40	0.39	0.40	0.30
Argentina							0.53	0.50	0.35	0.44	0.36	0.34
Brazil							1.28	1.24	1.43	1.58	1.39	1.16
Chile							0.34	0.30	0.41	0.40	0.32	0.27
China (Taiwan)							1.82	1.88	1.26	1.28	1.16	1.22
Colombia							0.21	0.17	0.19	0.20	0.20	0.18
Iceland							0.07	0.08	0.10	0.09	0.09	0.11
India							1.13	1.16	2.27	2.64	2.64	2.84
Indonesia							0.81	0.61	0.54	0.64	0.62	0.62
Israel							1.04	1.04	0.75	0.79	0.84	0.91
Malaysia							1.13	1.01	0.95	0.96	0.92	0.87
Mexico							0.76	1.07	1.04	1.13	1.20	1.32
Morocco							0.53	0.60	0.66	0.64	0.66	0.72
New Zealand							0.17	0.13	0.14	0.14	0.15	0.15
Peru							0.13	0.10	0.12	0.15	0.15	0.16
Philippines							0.36	0.45	0.34	0.33	0.39	0.42
Russian Federation							2.29	1.75	3.11	3.34	3.08	2.56
Saudi Arabia							0.46	0.42	0.66	0.68	0.80	0.75
South Africa							0.88	0.82	0.89	0.84	0.75	0.71
Thailand							1.13	0.89	0.95	0.99	1.05	1.16
Turkey							2.00	2.09	2.59	2.66	2.68	2.59
Ukraine							0.43	0.36	0.66	0.60	0.44	0.41
United Arab Emirates							0.44	0.46	0.84	0.91	1.02	1.10

^o Weights based on trade in goods and services. Figures have been rounded. In addition, the ECB publishes weighting schemes and indicators for a group of 12 countries. ¹ Selected calculation periods; for a comprehensive overview, see <https://www.bundesbank.de/en/statistics/exchange-rates/effective-exchange-rates-/methodology-and-quality-796162>. ² Including the reference period of the indices.

The group of 37 countries comprises the euro area countries and the countries of the EER-19 group; the group of 60 countries consists of the euro area countries as well as the countries of the EER-42 group.

■ Overview of world currencies

The end-of-month exchange rates listed in Table IV. 1. (pp. 18-40) 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. 46-47). 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 in-

cluded 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 <https://www.imf.org/en/Publications/Policy-Papers/Issues/2016/12/31/Review-of-the-Method-of-Valuation-of-the-SDR-Amendment-to-Rule-O-1-PP5065>).

	(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 incor-

porated 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. 44-45) 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 deter-

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

The monetary policy frameworks listed are as follows.

Exchange rate anchor

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

Monetary aggregate target

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

Inflation-targeting framework

This involves the public announcement of numerical targets for inflation, with an institutional commitment by the monetary authority to achieve these targets, typically over a medium-term horizon. Additional key features nor-

mally 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.

Argentina

Capital controls were introduced by decree on 1 September 2019 in response to the escalating financial and sovereign debt crisis.

Since 23 December 2019 (the date on which Law 27541 entered into force), Argentina has been levying a tax (Impuesto Para una Argentina Inclusiva y Solidaria – PAÍS) of 30% on transactions such as the following:

- purchases of foreign currency banknotes and foreign exchange, including travellers' cheques, by Argentine residents;
- the exchange of foreign currency intended for the purchase of goods or services or for the purchase of services abroad;
- foreign transactions with Argentine bank cards.

In addition, there are said to be significantly different black market prices.

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.

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 bureaus.

Kenya

The term “Kenya pound” is a unit of account equivalent to 20 Kenya shillings.

Lebanon

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

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 bureau de change rate was approximately 470 Naira to the US dollar at the end of July 2020.

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.

Syrian Arab Republic

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

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

The Zimbabwe dollar was devalued in several stages.

We recorded the following exchange rates:

23 June 2020	USD 1 = ZWL 25.0000 EUR 1 = ZWL 28.16125
24 June 2020	USD 1 = ZWL 57.3582 EUR 1 = ZWL 64.8176
1 July 2020	USD 1 = ZWL 63.7442 EUR 1 = ZWL 71.54645

Calculated using the exchange rates from 23 June and 1 July 2020, the Zimbabwe dollar experienced a devaluation of 60.8% against the US dollar and 60.6% against the euro.