



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	Data unknown, not to be published or not meaningful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

		EU member countries							
		Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden
Period		Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2019 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
Aug.		1.9558	7.5280	26.208	7.4439	354.54	4.3971	4.8398	10.2888
Sep.		1.9558	7.5565	27.233	7.4462	365.53	4.5462	4.8725	10.5713
Oct.		1.9558	7.5748	27.251	7.4466	367.45	4.6222	4.8725	10.3650
Nov.		1.9558	7.5538	26.192	7.4412	359.59	4.4710	4.8732	10.1778
Dec.		1.9558	7.5519	26.242	7.4409	363.89	4.5597	4.8683	10.0343
2020 Dec.	18	1.9558	7.5328	26.139	7.4393	357.24	4.4779	4.8688	10.1333
	21	1.9558	7.5375	26.275	7.4401	360.93	4.5111	4.8603	10.1313
	22	1.9558	7.5420	26.303	7.4401	362.33	4.5116	4.8665	10.1143
	23	1.9558	7.5440	26.372	7.4380	362.65	4.5025	4.8710	10.1213
	24	1.9558	7.5461	26.299	7.4389	361.62	4.5022	4.8725	10.0763
	28	1.9558	7.5435	26.247	7.4361	363.46	4.4907	4.8745	10.1070
	29	1.9558	7.5447	26.302	7.4382	364.53	4.5308	4.8757	10.0840
	30	1.9558	7.5460	26.252	7.4393	364.88	4.5565	4.8681	10.0568
	31	1.9558	7.5519	26.242	7.4409	363.89	4.5597	4.8683	10.0343
2021 Jan.	4	1.9558	7.5565	26.141	7.4379	361.32	4.5475	4.8713	10.0895
	5	1.9558	7.5588	26.227	7.4387	360.27	4.5473	4.8721	10.0570
	6	1.9558	7.5595	26.145	7.4393	357.86	4.5160	4.8720	10.0653
	7	1.9558	7.5660	26.147	7.4392	357.79	4.4998	4.8712	10.0575
	8	1.9558	7.5690	26.163	7.4369	359.62	4.5113	4.8708	10.0510
	11	1.9558	7.5800	26.239	7.4372	360.70	4.5294	4.8705	10.0760
	12	1.9558	7.5805	26.190	7.4385	359.66	4.5248	4.8713	10.0878
	13	1.9558	7.5805	26.173	7.4392	360.25	4.5253	4.8725	10.1383
	14	1.9558	7.5690	26.190	7.4393	359.57	4.5379	4.8738	10.1059

		Other European and non-European countries							
		Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia
Period		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 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	79.2855	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
Aug.		1.6214	6.4739	1.5601	8.1711	9.2536	164.30	87.4685	17,404.40
Sep.		1.6438	6.6308	1.5676	7.9720	9.0742	162.20	86.2990	17,497.84
Oct.		1.6563	6.7607	1.5556	7.8158	9.0706	164.40	87.1115	17,108.33
Nov.		1.6246	6.3519	1.5516	7.8798	9.2862	159.06	88.7322	16,966.44
Dec.		1.5896	6.3735	1.5633	8.0225	9.5142	156.10	89.6605	17,240.76
2020 Dec.	18	1.6107	6.2668	1.5638	8.0146	9.5039	156.40	90.1170	17,337.60
	21	1.6200	6.3144	1.5686	7.9784	9.4378	156.60	90.1338	17,351.52
	22	1.6191	6.2842	1.5753	8.0056	9.4885	156.10	90.3975	17,410.10
	23	1.6118	6.2867	1.5671	7.9549	9.4321	155.90	89.7945	17,351.03
	24	1.6039	6.3608	1.5656	7.9624	9.4532	155.90	89.6845	17,314.06
	28	1.6083	6.3443	1.5677	7.9906	9.4731	156.10	89.8145	17,337.66
	29	1.6121	6.3717	1.5713	8.0070	9.5043	156.30	89.9420	17,305.60
	30	1.6025	6.3574	1.5701	8.0134	9.5210	156.10	89.8824	17,254.81
	31	1.5896	6.3735	1.5633	8.0225	9.5142	156.10	89.6605	17,240.76
2021 Jan.	4	1.5928	6.3241	1.5621	7.9484	9.5330	156.10	89.7890	17,062.67
	5	1.5927	6.5517	1.5651	7.9315	9.5136	156.10	89.8670	17,075.10
	6	1.5824	6.5119	1.5640	7.9653	9.5659	156.30	90.2040	17,168.20
	7	1.5836	6.5172	1.5601	7.9392	9.5176	155.30	90.0455	17,259.99
	8	1.5758	6.5748	1.5543	7.9184	9.4982	155.50	89.7975	17,247.33
	11	1.5783	6.6562	1.5551	7.8806	9.4330	157.10	89.3460	17,267.14
	12	1.5742	6.6592	1.5510	7.8576	9.4314	156.20	89.0915	17,201.73
	13	1.5734	6.4869	1.5487	7.8716	9.4336	156.00	89.0095	17,188.25
	14	1.5642	6.3888	1.5381	7.8409	9.4005	156.60	88.6625	17,026.94

* 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)									
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	
2019 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	
Aug.	4.0131	126.47	1,415.76	4.9736	26.0590	1.7728	10.4550	57.837	
Sep.	4.0277	123.76	1,368.51	4.8653	26.1848	1.7799	11.1008	56.774	
Oct.	3.9881	122.36	1,324.20	4.8588	24.8416	1.7565	11.0940	56.635	
Nov.	3.9644	124.79	1,326.08	4.8807	24.0499	1.7027	10.5610	57.690	
Dec.	3.9447	126.49	1,336.00	4.9340	24.4160	1.6984	10.4703	59.125	
2020 Dec. 18	3.9676	126.69	1,346.95	4.9532	24.3280	1.7201	10.5163	58.930	
21	3.9564	126.04	1,350.52	4.9313	24.8514	1.7306	10.6518	58.833	
22	3.9621	126.52	1,353.44	4.9703	24.4948	1.7299	10.5938	58.870	
23	3.9193	125.99	1,347.45	4.9437	24.4449	1.7208	10.6238	58.453	
24	3.9221	126.38	1,344.97	4.9510	24.3475	1.7168	10.5108	58.559	
28	3.9275	126.54	1,340.87	4.9490	24.3136	1.7160	10.5713	58.700	
29	3.9363	127.23	1,340.33	4.9655	24.4001	1.7171	10.5500	58.903	
30	3.9429	126.57	1,335.83	4.9578	24.3733	1.7071	10.5470	59.026	
31	3.9447	126.49	1,336.00	4.9340	24.4160	1.6984	10.4703	59.125	
2021 Jan. 4	3.9430	126.62	1,332.03	4.9264	24.3031	1.7065	10.4440	59.058	
5	3.9277	126.25	1,335.85	4.9293	24.5860	1.7036	10.4713	59.020	
6	3.9289	127.03	1,339.30	4.9482	24.3543	1.6916	10.3810	59.296	
7	3.9027	127.13	1,342.29	4.9570	24.2552	1.6907	10.3435	59.043	
8	3.8981	127.26	1,337.90	4.9359	24.4718	1.6883	10.2863	58.947	
11	3.8676	126.76	1,335.76	4.9284	24.5301	1.6918	10.3680	58.486	
12	3.8441	126.74	1,336.38	4.9343	24.3010	1.6940	10.3765	58.434	
13	3.8212	126.44	1,335.20	4.9205	24.1414	1.6954	10.3390	58.472	
14	3.8095	126.21	1,330.37	4.8932	24.0418	1.6853	10.3108	58.232	

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 Pound sterling GBP	United States US dollar USD	
2019 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	
Aug.	88.2993	1.6235	19.9589	1.0774	37.098	8.7770	0.89605	1.1940	
Sep.	91.7763	1.6035	19.7092	1.0804	37.079	9.0990	0.91235	1.1708	
Oct.	92.4606	1.5952	19.0359	1.0698	36.439	9.7940	0.90208	1.1698	
Nov.	91.1439	1.6029	18.4251	1.0839	36.257	9.3155	0.89845	1.1980	
Dec.	91.4671	1.6218	18.0219	1.0802	36.727	9.1131	0.89903	1.2271	
2020 Dec. 18	90.2025	1.6282	17.8699	1.0845	36.556	9.3988	0.90828	1.2259	
21	91.7285	1.6286	18.0849	1.0810	36.653	9.3519	0.91610	1.2173	
22	92.2025	1.6327	17.8544	1.0837	36.901	9.3325	0.91148	1.2239	
23	91.6360	1.6235	17.7895	1.0837	36.772	9.2946	0.90700	1.2166	
24	90.5914	1.6195	17.8252	1.0851	36.689	9.2275	0.89795	1.2193	
28	90.0681	1.6237	17.8008	1.0854	36.865	9.1254	0.90408	1.2219	
29	90.1883	1.6274	17.9651	1.0862	36.826	9.0177	0.90863	1.2259	
30	91.8851	1.6257	18.0053	1.0857	36.769	9.0321	0.90307	1.2281	
31	91.4671	1.6218	18.0219	1.0802	36.727	9.1131	0.89903	1.2271	
2021 Jan. 4	90.3420	1.6198	17.9214	1.0811	36.728	9.0579	0.90160	1.2296	
5	91.6715	1.6180	18.4194	1.0803	36.776	9.0694	0.90333	1.2271	
6	90.8175	1.6246	18.5123	1.0821	36.921	9.0554	0.90635	1.2338	
7	91.2000	1.6253	18.7919	1.0833	36.859	8.9987	0.90190	1.2276	
8	90.8000	1.6228	18.7212	1.0827	36.848	9.0146	0.90128	1.2250	
11	90.8075	1.6180	18.8079	1.0838	36.659	9.0550	0.90235	1.2163	
12	90.0537	1.6146	18.7269	1.0812	36.641	9.1050	0.89440	1.2161	
13	89.7859	1.6139	18.6329	1.0812	36.547	9.0531	0.88983	1.2166	
14	89.0900	1.6090	18.4147	1.0805	36.396	8.9492	0.88943	1.2124	

* See Explanatory notes, p. 48.

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
2019		1.9558	7.4180	25.670	7.4661	325.30	4.2976	4.7453	10.5891
2020		1.9558	7.5384	26.455	7.4542	351.25	4.4430	4.8383	10.4848
2018	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
	Aug.	1.9558	7.5077	26.167	7.4460	348.93	4.3995	4.8376	10.3087
	Sep.	1.9558	7.5417	26.741	7.4418	360.61	4.4727	4.8602	10.4279
	Oct.	1.9558	7.5746	27.213	7.4424	362.53	4.5414	4.8747	10.3967
	Nov.	1.9558	7.5623	26.466	7.4459	359.84	4.4949	4.8704	10.2311
	Dec.	1.9558	7.5417	26.311	7.4412	359.02	4.4786	4.8703	10.1736

		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		1.6109	4.4134	1.4855	7.7355	8.7715	137.28	78.8361	15,835.27
2020		1.6549	5.8943	1.5300	7.8747	8.8587	154.59	84.6392	16,627.37
2018	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	149.11	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
	Aug.	1.6433	6.4381	1.5654	8.1954	9.1671	161.77	88.2309	17,402.53
	Sep.	1.6307	6.3663	1.5586	8.0333	9.1393	162.69	86.7266	17,491.99
	Oct.	1.6521	6.6170	1.5559	7.9225	9.1262	163.65	86.5891	17,348.27
	Nov.	1.6266	6.4324	1.5472	7.8152	9.1775	161.90	87.8553	16,824.32
	Dec.	1.6166	6.2658	1.5595	7.9602	9.4341	155.13	89.6081	17,226.83

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

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

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
2019	3.9901	122.01	1,305.32	4.6374	21.5565	1.6998	9.8511	57.985
2020	3.9258	121.85	1,345.58	4.7959	24.5194	1.7561	10.7228	56.615
2018 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
Aug.	4.0214	125.40	1,403.44	4.9506	26.2544	1.7931	10.5797	57.682
Sep.	4.0350	124.50	1,388.68	4.8935	25.5361	1.7681	10.7769	57.223
Oct.	3.9966	123.89	1,347.03	4.8891	25.0613	1.7736	10.9220	57.107
Nov.	3.9773	123.61	1,319.66	4.8673	24.1554	1.7237	10.7453	57.127
Dec.	3.9513	126.28	1,332.54	4.9363	24.2914	1.7161	10.6008	58.527

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 Pound sterling GBP	United States US dollar USD
2019	72.4553	1.5273	16.1757	1.1124	34.757	6.3578	0.87777	1.1195
2020	82.7248	1.5742	18.7655	1.0705	35.708	8.0547	0.88970	1.1422
2018 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
Aug.	87.3520	1.6195	20.3836	1.0767	36.911	8.6144	0.90081	1.1828
Sep.	89.5997	1.6104	19.7338	1.0786	36.997	8.9084	0.90947	1.1792
Oct.	91.4320	1.6008	19.3657	1.0739	36.796	9.3701	0.90741	1.1775
Nov.	91.0097	1.5944	18.4019	1.0785	36.041	9.4522	0.89605	1.1838
Dec.	90.2398	1.6218	18.1286	1.0814	36.610	9.3817	0.90624	1.2170

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

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

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								
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	–	–
2020	1.9558	7.5519	–	26.242	7.4409	–	363.89	–	–
	Annual averages ⁺								
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	–	–
2020	1.9558	7.5384	–	26.455	7.4542	–	351.25	–	–

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	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								
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
2020	–	4.5597	4.8683	–	10.0343	1.5896	6.3735	1.5633	8.0225
	Annual averages ⁺								
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
2020	–	4.4430	4.8383	–	10.4848	1.6549	5.8943	1.5300	7.8747

* 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)										
	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand
Period	Hong Kong dollar HKD	Icelandic krona ISK ¹	Indian rupee INR ²	Indonesian rupiah IDR	New shekel ILS ³	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN ⁴	New Zealand dollar NZD
End of year										
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
2020	9.5142	156.10	89.6605	17,240.76	3.9447	126.49	1,336.00	4.9340	24.4160	1.6984
Annual averages +										
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
2020	8.8587	154.59	84.6392	16,627.37	3.9258	121.85	1,345.58	4.7959	24.5194	1.7561

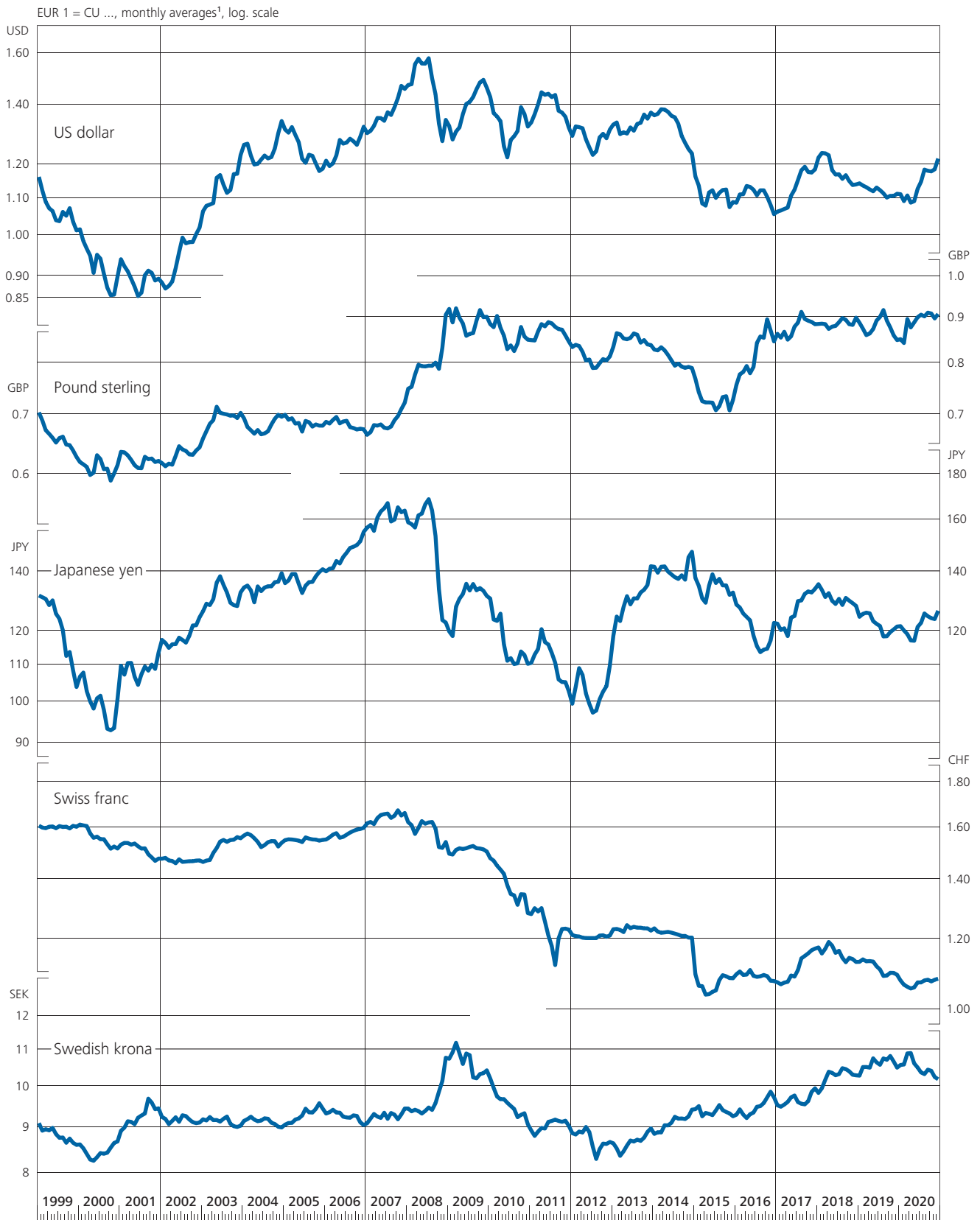
Other European and non-European countries (cont'd)										
	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States
Period	Norwegian krone NOK	Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira ⁵ TRY	Pound sterling GBP	US dollar USD
End of year										
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
2020	10.4703	59.125	91.4671	1.6218	18.0219	1.0802	36.727	9.1131	0.89903	1.2271
Annual averages +										
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
2020	10.7228	56.615	82.7248	1.5742	18.7655	1.0705	35.708	8.0547	0.88970	1.1422

* 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.

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

4. Exchange rates of major currencies

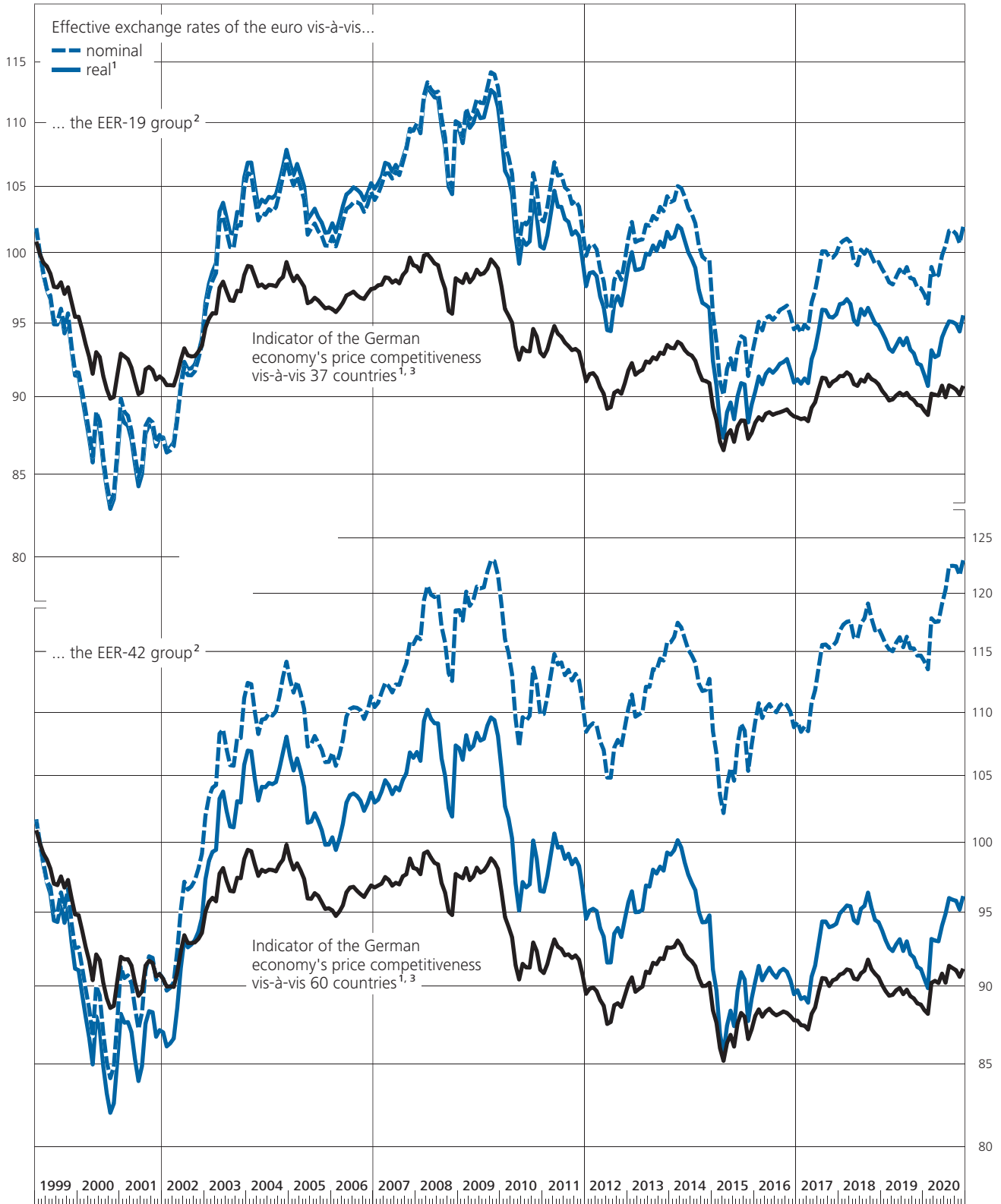


* See explanatory notes, p. 48. ¹ Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

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 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

Yearly, quarterly or monthly average	Effective exchange rate of the euro vis-à-vis the currencies of the group					
	EER-19 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	85.7	88.1	86.1
2001	87.6	87.1	86.7	86.7	90.2	86.9
2002	89.9	90.2	89.8	90.4	94.5	90.5
2003	100.5	101.4	101.0	101.7	106.4	101.5
2004	104.3	105.2	104.0	105.0	110.8	105.3
2005	102.9	103.9	102.0	103.3	109.0	102.9
2006	102.9	103.9	101.4	102.2	109.1	102.3
2007	106.4	106.9	103.6	104.5	112.7	104.5
2008	110.2	109.8	105.9	108.9	117.4	106.9
2009	111.7	110.6	107.0	114.6	120.5	108.0
2010	104.5	102.9	98.8	106.6	111.9	99.0
2011	104.3	102.0	96.9	105.0	112.7	98.6
2012	98.6	96.8	91.4	99.0	107.5	93.8
2013	102.2	99.9	94.3	102.0	112.2	96.8
2014	102.4	99.3	94.2	102.7	114.6	97.2
2015	92.6	89.6	85.8	92.4	106.1	88.7
2016	95.3	91.6	88.0	p 93.6	110.1	90.7
2017	97.5	93.5	89.1	p 94.3	112.4	91.9
2018	100.0	95.7	90.5	p 95.8	117.3	95.1
2019	98.2	93.3	88.7	p 93.1	115.5	92.4
2020	99.7	p 93.7	...	...	119.4	p 94.0
2019 Jan.	98.8	94.3			116.3	93.7
Feb.	98.4	93.8	88.8	p 93.5	115.6	93.1
Mar.	97.9	93.2			115.2	92.5
Apr.	97.7	93.0			115.0	92.3
May	98.2	93.4	88.5	p 93.2	115.7	92.8
June	98.8	93.9			116.2	93.1
July	98.4	93.4			115.4	92.3
Aug.	98.9	93.9	88.9	p 93.5	116.2	93.0
Sep.	98.2	93.1			115.3	92.1
Oct.	98.1	92.9			115.3	91.9
Nov.	97.5	92.2	88.4	p 92.2	114.6	91.3
Dec.	97.4	92.1			114.7	91.1
2020 Jan.	97.0	91.4			114.2	90.5
Feb.	96.3	90.7	88.0	p 92.9	113.5	89.9
Mar.	99.0	93.1			117.8	p 93.2
Apr.	98.2	92.6			117.5	p 93.0
May	98.4	92.8	88.6	p 93.9	117.6	p 94.1
June	99.8	94.0			119.1	p 94.9
July	100.5	94.6			120.3	p 96.0
Aug.	101.6	95.1	90.0	p 94.0	122.4	p 95.9
Sep.	101.6	95.0			122.5	p 95.8
Oct.	101.4	p 94.9			122.4	p 95.2
Nov.	100.7	p 94.4	...	...	121.6	p 96.1
Dec.	101.9	p 95.5			123.0	
2020 Dec. 15	101.7	-	-	-	122.7	-
16	101.7	-	-	-	122.8	-
17	101.9	-	-	-	123.0	-
18	102.2	-	-	-	123.3	-
21	102.2	-	-	-	123.4	-
22	102.4	-	-	-	123.6	-
23	102.0	-	-	-	123.1	-
24	101.9	-	-	-	122.9	-
28	102.1	-	-	-	123.1	-
29	102.4	-	-	-	123.4	-
30	102.3	-	-	-	123.4	-
31	102.2	-	-	-	123.2	-
2021 Jan. 4	102.1	-	-	-	123.1	-
5	102.0	-	-	-	123.1	-
6	102.2	-	-	-	123.3	-
7	102.0	-	-	-	123.0	-
8	101.9	-	-	-	122.9	-
11	101.7	-	-	-	122.7	-
12	101.4	-	-	-	122.4	-
13	101.4	-	-	-	122.3	-
14	101.2	-	-	-	122.0	-

ECB calculation. * The weights are based on trade in manufactured goods and 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:		37 countries ²	60 countries ²		
		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	98.1	97.8	
2000	91.9	97.4	85.5	91.1	93.0	99.0	86.0	92.2	92.2	91.2	
2001	91.7	96.5	86.1	90.5	92.9	98.1	86.8	91.6	91.6	91.0	
2002	92.4	95.6	88.6	91.1	93.4	96.8	89.4	92.1	92.1	91.9	
2003	95.9	94.7	97.7	95.3	97.0	95.7	98.9	96.6	96.6	96.8	
2004	96.2	93.5	100.2	95.6	98.4	95.3	102.8	98.1	98.1	98.4	
2005	94.8	91.9	99.0	93.3	98.4	95.1	103.1	97.1	97.1	96.8	
2006	93.6	90.3	98.4	91.6	98.5	94.8	103.9	96.7	96.7	96.0	
2007	94.5	89.5	102.2	92.0	100.9	95.1	109.5	98.2	98.2	97.4	
2008	94.9	88.3	105.3	91.3	102.3	94.5	114.6	98.4	98.4	97.6	
2009	95.2	89.1	104.8	92.0	101.9	94.4	113.5	98.5	98.5	98.0	
2010	92.6	88.7	98.3	88.2	98.7	94.0	105.8	94.2	94.2	92.5	
2011	92.2	88.5	97.7	87.4	98.2	93.6	104.8	93.4	93.4	91.9	
2012	90.1	88.3	92.6	84.7	95.9	93.2	99.6	90.5	90.5	89.0	
2013	92.4	88.8	97.6	86.7	98.2	93.3	105.3	92.3	92.3	90.9	
2014	93.0	89.6	97.8	87.4	98.2	93.5	104.9	92.5	92.5	91.5	
2015	89.8	90.3	89.0	83.6	94.4	94.0	94.5	87.8	87.8	87.0	
2016	90.6	90.7	90.5	84.9	95.1	94.0	96.2	88.8	88.8	88.2	
2017	91.8	90.7	93.2	85.6	96.4	94.2	99.3	89.9	89.9	89.0	
2018	92.8	90.7	96.0	86.4	97.7	94.3	102.6	91.1	91.1	90.9	
2019	91.9	91.0	93.2	85.6	96.4	94.3	99.4	89.9	89.9	89.5	
2020	...	...	...	...	p 96.5	p 94.2	p 99.7	p 90.1	p 90.1	p 90.3
2017 July					96.9	94.3	100.5	90.5	90.5	89.6	
Aug.					97.7	94.3	102.5	91.2	91.2	90.5	
Sep.	92.8	90.9	95.6	86.6	97.7	94.3	102.5	91.2	91.2	90.5	
Oct.					97.2	94.0	101.9	90.7	90.7	90.0	
Nov.					97.7	94.4	102.5	91.0	91.0	90.4	
Dec.	92.9	90.7	96.0	86.5	97.8	94.4	102.9	91.1	91.1	90.5	
2018 Jan.					98.2	94.2	104.1	91.4	91.4	90.8	
Feb.					98.2	94.2	104.1	91.4	91.4	90.8	
Mar.	93.3	90.5	97.4	86.7	98.4	94.4	104.4	91.6	91.6	91.1	
Apr.					98.4	94.3	104.4	91.4	91.4	91.0	
May					97.8	94.3	102.8	90.8	90.8	90.5	
June	92.9	90.6	96.1	86.1	97.5	94.4	102.0	90.7	90.7	90.4	
July					97.4	94.1	102.2	91.1	91.1	90.8	
Aug.					97.3	94.2	101.7	91.0	91.0	91.0	
Sep.	92.7	90.6	95.6	86.4	97.7	94.4	102.3	91.5	91.5	91.8	
Oct.					97.3	94.4	101.5	91.1	91.1	91.1	
Nov.					97.3	94.5	101.1	91.0	91.0	90.8	
Dec.	92.5	91.0	94.8	86.3	97.2	94.4	101.1	90.8	90.8	90.6	
2019 Jan.					96.8	94.2	100.6	90.4	90.4	90.1	
Feb.					96.7	94.1	100.2	90.1	90.1	89.7	
Mar.	92.0	90.7	93.8	85.5	96.4	94.0	99.6	89.7	89.7	89.4	
Apr.					96.5	94.3	99.6	89.8	89.8	89.4	
May					96.6	94.3	99.7	90.1	90.1	89.7	
June	92.0	90.9	93.5	85.5	96.8	94.3	100.2	90.2	90.2	89.9	
July					96.7	94.4	99.8	90.1	90.1	89.5	
Aug.					96.5	94.2	99.6	90.2	90.2	89.8	
Sep.	92.0	91.2	93.1	85.7	96.2	94.3	98.6	89.9	89.9	89.3	
Oct.					96.2	94.3	98.7	89.8	89.8	89.2	
Nov.					96.0	94.3	98.2	89.4	89.4	88.9	
Dec.	91.7	91.3	92.3	85.5	95.9	94.3	98.0	89.4	89.4	88.8	
2020 Jan.					95.9	94.4	97.9	89.1	89.1	88.4	
Feb.					95.6	94.5	96.9	88.8	88.8	88.2	
Mar.	91.4	91.3	91.5	85.3	96.6	94.7	99.2	90.2	p 90.2	p 90.2	
Apr.					96.3	94.7	98.3	90.1	p 90.1	p 90.3	
May					96.2	94.6	98.3	90.1	p 90.1	p 90.2	
June	91.3	91.2	91.3	85.7	96.9	94.6	100.1	90.7	p 90.7	p 90.8	
July					96.0	93.3	99.8	89.9	p 89.9	p 90.2	
Aug.	p 92.4	p 91.2	93.9	p 86.6	97.0	94.0	101.2	90.7	p 90.7	p 91.3	
Sep.					96.8	93.9	101.1	90.6	p 90.6	p 91.2	
Oct.					96.6	93.7	100.8	p 90.5	p 90.5	p 91.0	
Nov.					96.6	p 93.7	100.7	p 90.1	p 90.1	p 90.6	
Dec.					p 97.2	p 93.7	p 102.2	p 90.7	p 90.7	p 91.1	

* The weights are based on trade in manufactured goods and 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 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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Afghanistan							
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 76.6094	AFN 76.7292	AFN 76.9417	AFN 77.0500
		S	USD 1 =	AFN 76.7094	AFN 76.8292	AFN 77.0417	AFN 77.1500
	AFN	B	EUR 1 =	AFN 86.7677	AFN 89.2950	AFN 90.9771	AFN 93.8950
		S	EUR 1 =	AFN 87.0277	AFN 89.5550	AFN 91.2371	AFN 94.1550
Albania							
Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 108.65	ALL 106.16	ALL 103.85	ALL 100.84
		M	EUR 1 =	ALL 123.93	ALL 123.93	ALL 123.78	ALL 123.70
Algeria							
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 126.7989	DZD 129.3257	DZD 129.1123	DZD 132.2116
		S	USD 1 =	DZD 126.8139	DZD 129.3407	DZD 129.1273	DZD 132.2266
	DZD	B	EUR 1 =	DZD 144.7994	DZD 150.8714	DZD 154.5603	DZD 162.3294
		S	EUR 1 =	DZD 144.8522	DZD 150.9147	DZD 154.6170	DZD 162.3743
Angola ¹							
Luanda 330	Kwanza = 100 cêntimos AOA	M	USD 1 =	AOA 583.191	AOA 661.875	AOA 649.817	AOA 649.604
		M	EUR 1 =	AOA 669.781	AOA 773.102	AOA 778.643	AOA 798.429
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 3.0705	XCD 3.1447	XCD 3.2205	XCD 3.2987
		V, S	EUR 1 =	XCD 3.1032	XCD 3.1782	XCD 3.2548	XCD 3.3339
Argentina ¹							
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 70.3985	ARS 78.1200	ARS 81.1100	ARS 83.9500
		S	USD 1 =	ARS 70.5985	ARS 78.3200	ARS 81.3100	ARS 84.1500
	ARS	B	EUR 1 =	ARS 80.5658	ARS 90.8848	ARS 96.8697	ARS 103.0738
		S	EUR 1 =	ARS 80.9705	ARS 91.3133	ARS 97.3118	ARS 103.5297
Armenia							
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 490.13	AMD 493.60	AMD 506.40	AMD 522.59
		M	EUR 1 =	AMD 560.98	AMD 576.08	AMD 606.82	AMD 641.11
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 204.28	AWG 207.88	AWG 213.54	AWG 218.83
		S	EUR 100 =	AWG 206.33	AWG 209.96	AWG 215.69	AWG 221.03

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.6906	USD 0.7044	USD 0.7393	USD 0.7702
		M	AUD 1 =	EUR 0.6047	EUR 0.6030	EUR 0.6177	EUR 0.6269
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
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 1.9454	AZN 1.9860	AZN 2.0344	AZN 2.0890
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 1.13649	BSD 1.16395	BSD 1.19201	BSD 1.22096
		V, S	EUR 1 =	BSD 1.15648	BSD 1.18442	BSD 1.21298	BSD 1.24244
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 0.4225540	BHD 0.4307960	BHD 0.4483515 V	BHD 0.4592422 V
		S	EUR 1 =	BHD 0.4410189	BHD 0.4574440	BHD 0.4526643 V	BHD 0.4636597 V
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 84.8655	BDT 84.8004	BDT 84.8000	BDT 84.8000
		S	USD 1 =	BDT 84.8700	BDT 84.8004	BDT 84.8000	BDT 84.8040
		B	EUR 1 =	BDT 97.0783	BDT 99.5891	BDT 101.4378	BDT 103.8546
		S	EUR 1 =	BDT 97.1169	BDT 99.6163	BDT 101.4632	BDT 103.8934
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 2.28308	BBD 2.32408	BBD 2.37246	BBD 2.44694
		S	EUR 1 =	BBD 2.32588	BBD 2.36765	BBD 2.41694	BBD 2.49281
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.4518	BYN 2.6352	BYN 2.5817	BYN 2.5789
		M	EUR 1 =	BYN 2.8080	BYN 3.0778	BYN 3.0794	BYN 3.1680

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
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 2.2726	BZD 2.3156	BZD 2.3602	BZD 2.4343	
	BZD	S	EUR 1 =	BZD 2.3127	BZD 2.3564	BZD 2.4018	BZD 2.4773
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 574.293	XOF 560.743	XOF 547.543	XOF 534.559
		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 1.1376	BMD 1.1651	BMD 1.1932	BMD 1.2222	
	V, S	EUR 1 =	BMD 1.1471	BMD 1.1748	BMD 1.2032	BMD 1.2324	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 73.00	BTN 73.25	BTN 72.80	BTN 72.20
		S	USD 1 =	BTN 75.28	BTN 75.50	BTN 75.10	BTN 74.50
	B	EUR 1 =	BTN 83.48	BTN 85.80	BTN 86.80	BTN 88.45	
	S	EUR 1 =	BTN 85.80	BTN 88.20	BTN 89.20	BTN 90.95	
Bolivia, Plurinational State of							
Sucre Seat of government: La Paz 516	Boliviano = 100 centavos BOB	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
		S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		V, B	EUR 1 =	BOB 7.8386	BOB 8.0248	BOB 8.2183	BOB 8.4179
		V, S	EUR 1 =	BOB 7.9529	BOB 8.1418	BOB 8.3381	BOB 8.5406
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.705963	BAM 1.666900	BAM 1.636421	BAM 1.588585
		S	USD 1 =	BAM 1.714514	BAM 1.675256	BAM 1.644623	BAM 1.596547
	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 0.0874	USD 0.0878	USD 0.0904	USD 0.0926
		S	BWP 1 =	USD 0.0872	USD 0.0876	USD 0.0902	USD 0.0924
	B	BWP 1 =	EUR 0.0765	EUR 0.0751	EUR 0.0755	EUR 0.0755	
	S	BWP 1 =	EUR 0.0763	EUR 0.0749	EUR 0.0753	EUR 0.0753	

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 5.1568	BRL 5.7712	BRL 5.3311	BRL 5.1961
		S	USD 1 =	BRL 5.1578	BRL 5.7718	BRL 5.3317	BRL 5.1967
	BRL	B	EUR 1 =	BRL 6.0228	BRL 6.7211	BRL 6.3771	BRL 6.3756
		S	EUR 1 =	BRL 6.0252	BRL 6.7241	BRL 6.3799	BRL 6.3779
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3686	BND 1.3574	BND 1.3282	BND 1.3179
		S	USD 1 =	BND 1.3875	BND 1.3759	BND 1.3467	BND 1.3360
	BND	B	EUR 1 =	BND 1.5522	BND 1.5684	BND 1.5734	BND 1.5999
		S	EUR 1 =	BND 1.6078	BND 1.6241	BND 1.6295	BND 1.6556
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.71539	BGN 1.67194	BGN 1.63258	BGN 1.59386
		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 574.293	XOF 560.743	XOF 547.543	XOF 534.559
		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 1,899.6838	BIF 1,917.1746	BIF 1,921.9860	BIF 1,926.9360
		S	USD 1 =	BIF 1,935.4929	BIF 1,955.9054	BIF 1,960.8140	BIF 1,965.8640
	BIF	B	EUR 1 =	BIF 2,178.6551	BIF 2,238.8765	BIF 2,301.4821	BIF 2,368.7824
		S	EUR 1 =	BIF 2,219.8302	BIF 2,284.1063	BIF 2,347.9767	BIF 2,416.6366
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos CVE	B	USD 1 =	CVE 96.30074	CVE 94.11038	CVE 92.38768	CVE 89.68403
		S	USD 1 =	CVE 96.50274	CVE 94.31238	CVE 92.58968	CVE 89.88603
	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 4,080	KHR 4,060	KHR 4,048	KHR 4,045
		B	EUR 1 =	KHR 4,684	KHR 4,780	KHR 4,844	KHR 4,962
	S	EUR 1 =	KHR 4,731	KHR 4,828	KHR 4,893	KHR 5,011	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 574.293	XAF 560.743	XAF 547.543	XAF 534.559
		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 1.3415	CAD 1.3318	CAD 1.2965	CAD 1.2732
		M	EUR 1 =	CAD 1.5374	CAD 1.5533	CAD 1.5509	CAD 1.5608

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 2020	Rate at end of month		
					October 2020	November 2020	December 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 0.9518	KYD 0.9748	KYD 0.9983	KYD 1.0226
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 574.293	XAF 560.743	XAF 547.543	XAF 534.559
		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 574.293	XAF 560.743	XAF 547.543	XAF 534.559
		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 792.22	CLP 770.45	CLP 766.69	CLP 711.24
		M	EUR 1 =	CLP 902.68	CLP 897.65	CLP 916.33	CLP 870.66
China							
Beijing 720	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.8991	CNY 6.7232	CNY 6.5782	CNY 6.5249
		M	EUR 1 =	CNY 7.9065	CNY 7.8463	CNY 7.8719	CNY 8.0250
		M	HKD 1 =	CNY 0.88889	CNY 0.86722	CNY 0.84867	CNY 0.84164
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 29.483	TWD 28.840	TWD 28.760	TWD 28.430
		S	USD 1 =	TWD 29.583	TWD 28.940	TWD 28.860	TWD 28.530
		B	EUR 1 =	TWD 33.54	TWD 33.55	TWD 34.29	TWD 34.82
S	EUR 1 =	TWD 33.94	TWD 33.95	TWD 34.69	TWD 35.22		
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,692.895	COP 3,849.53	COP 3,611.44	COP 3,432.50
		V, M	EUR 1 =	COP 4,216.588	COP 4,503.180	COP 4,326.505	COP 4,212.021
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 430.71944	KMF 420.55715	KMF 410.65755	KMF 400.91904
		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 574.293	XAF 560.743	XAF 547.543	XAF 534.559
		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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,823.8944	CDF 1,925.5039	CDF 1,926.3176	CDF 1,932.3685
		S	USD 1 =	CDF 1,898.3391	CDF 2,004.0959	CDF 2,004.9428	CDF 2,011.2407
	CDF	B	EUR 1 =	CDF 2,088.8087	CDF 2,257.6800	CDF 2,287.4726	CDF 2,372.7362
		S	EUR 1 =	CDF 2,174.0661	CDF 2,349.8302	CDF 2,380.8389	CDF 2,469.5826
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.5813	EUR 0.5785	EUR 0.5988	EUR 0.5991
		S	NZD 1 =	EUR 0.5584	EUR 0.5568	EUR 0.5763	EUR 0.5762
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 584.40	CRC 604.74	CRC 600.18	CRC 610.53
		S	USD 1 =	CRC 591.41	CRC 612.92	CRC 608.79	CRC 617.30
	CRC	V, B	EUR 1 =	CRC 670.9498	CRC 707.4249	CRC 719.0156	CRC 749.1814
		V, S	EUR 1 =	CRC 679.0006	CRC 716.9938	CRC 729.3304	CRC 757.4888
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 574.293	XOF 560.743	XOF 547.543	XOF 534.559
		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 6.581149	HRK 6.464714	HRK 6.315897	HRK 6.120622
		S	USD 1 =	HRK 6.620755	HRK 6.503618	HRK 6.353907	HRK 6.157456
	HRK	B	EUR 1 =	HRK 7.511943	HRK 7.545613	HRK 7.529181	HRK 7.514287
		S	EUR 1 =	HRK 7.557151	HRK 7.591023	HRK 7.574493	HRK 7.559509
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 1.13376	CUC 1.15399	CUC 1.18339	CUC 1.20898
		S	EUR 1 =	CUC 1.15668	CUC 1.17731	CUC 1.20731	CUC 1.23342
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 204.29	ANG 207.88	ANG 213.55	ANG 218.84
		S	EUR 100 =	ANG 208.40	ANG 212.07	ANG 217.85	ANG 223.25
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 23.196	CZK 23.296	CZK 21.861	CZK 21.387
		M	EUR 1 =	CZK 26.496	CZK 27.250	CZK 26.190	CZK 26.245

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 653.14	DKK 636.57	DKK 621.14	DKK 605.76
		M	EUR 100 =	DKK 745.33	DKK 744.66	DKK 744.12	DKK 743.93
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 201.29	DJF 206.69	DJF 210.02	DJF 215.57
		S	EUR 1 =	DJF 209.31	DJF 214.76	DJF 218.22	DJF 223.98
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 3.0705	XCD 3.1447	XCD 3.2205	XCD 3.2987
		V, S	EUR 1 =	XCD 3.1032	XCD 3.1782	XCD 3.2548	XCD 3.3339
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 56.2954	DOP 57.6773	DOP 57.6727	DOP 57.6007
		S	USD 1 =	DOP 57.0521	DOP 58.4922	DOP 58.4521	DOP 58.4256
		B	EUR 1 =	DOP 63.7358	DOP 67.3725	DOP 67.9382	DOP 69.5698
		S	EUR 1 =	DOP 67.2930	DOP 70.6592	DOP 71.2741	DOP 72.9548
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 15.75	EGP 15.65	EGP 15.59	EGP 15.67
		S	USD 1 =	EGP 15.85	EGP 15.75	EGP 15.69	EGP 15.77
		B	EUR 1 =	EGP 17.9583	EGP 18.2338	EGP 18.6394	EGP 19.1628
		S	EUR 1 =	EGP 18.1786	EGP 18.5189	EGP 18.8327	EGP 19.4113
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 9.9943	SVC 10.2358	SVC 10.4825	SVC 10.7371
Equatorial Guinea 1							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 574.293	XAF 560.743	XAF 547.543	XAF 534.559
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara 336	Nakfa = 100 cents ERN	2 B	USD 1 =	ERN 15.00	ERN 15.00	ERN 15.00	ERN 15.00
		2 S	USD 1 =	ERN 15.15	ERN 15.15	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 17.1495	ERN 17.5560	ERN 17.8530	ERN 18.2925
		S	EUR 1 =	ERN 17.7857	ERN 18.1922	ERN 18.4892	ERN 18.9287
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 35.2269	ETB 37.5468	ETB 38.0516	ETB 39.1809
		S	USD 1 =	ETB 35.9314	ETB 38.2977	ETB 38.8126	ETB 39.9645
	ETB	B	EUR 1 =	ETB 40.4109	ETB 44.0612	ETB 45.3727	ETB 48.0710
S		EUR 1 =	ETB 41.2192	ETB 44.9424	ETB 46.2802	ETB 49.0324	
Eswatini ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 16.5100	SZL 16.3998	SZL 15.1798	SZL 14.6118
		S	USD 1 =	SZL 16.5301	SZL 16.4115	SZL 15.3028	SZL 14.6213
	SZL	B	EUR 1 =	SZL 18.91585	SZL 19.1494	SZL 18.2043	SZL 17.9598
S		EUR 1 =	SZL 18.93757	SZL 19.1652	SZL 18.3127	SZL 17.9740	
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.77894	FKP 0.77114	FKP 0.74996	FKP 0.73265
		V	EUR 1 =	FKP 0.88970	FKP 0.90208	FKP 0.89845	FKP 0.89903
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4716	USD 0.4754	USD 0.4896	USD 0.4989
		S	FJD 1 =	USD 0.4546	USD 0.4584	USD 0.4726	USD 0.4819
	FJD	B	FJD 1 =	EUR 0.4093	EUR 0.4055	EUR 0.4078	EUR 0.4046
S		FJD 1 =	EUR 0.3973	EUR 0.3935	EUR 0.3958	EUR 0.3926	
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Gabon ¹							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 574.293	XAF 560.743	XAF 547.543	XAF 534.559
		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 51.48	GMD 51.81	GMD 51.80	GMD 51.65
		M	EUR 1 =	GMD 58.26	GMD 60.17	GMD 60.33	GMD 61.00
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 3.1192	GEL 3.2327	GEL 3.3164	GEL 3.2766
		M	EUR 1 =	GEL 3.5713	GEL 3.7732	GEL 3.9545	GEL 4.0233

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas GHS	B S	USD 1 = USD 1 =	GHS 5.6091 GHS 5.6147	GHS 5.7071 GHS 5.7129	GHS 5.7110 GHS 5.7168	GHS 5.7573 GHS 5.7631
		B S	EUR 1 = EUR 1 =	GHS 6.4398 GHS 6.4455	GHS 6.6667 GHS 6.6738	GHS 6.8525 GHS 6.8593	GHS 7.0612 GHS 7.0674
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.77894 GIP 0.88970	GIP 0.77114 GIP 0.90208	GIP 0.74996 GIP 0.89845	GIP 0.73265 GIP 0.89903
Greece							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
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 3.0705 XCD 3.1032	XCD 3.1447 XCD 3.1782	XCD 3.2205 XCD 3.2548	XCD 3.2987 XCD 3.3339
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.72985 GTQ 8.86799	GTQ 7.79595 GTQ 9.11970	GTQ 7.81405 GTQ 9.36123	GTQ 7.79382 GTQ 9.56380
Guinea							
Conakry 260	Guinean franc GNF	M M	USD 1 = EUR 1 =	GNF 9,585.5025 GNF 10,965.5882	GNF 9,750.0000 GNF 11,411.4043	GNF 9,837.3510 GNF 11,696.6078	GNF 9,990.0017 GNF 12,153.8414
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V 4	USD 1 = EUR 1 =	XOF 574.293 XOF 655.957	XOF 560.743 XOF 655.957	XOF 547.543 XOF 655.957	XOF 534.559 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 238.25 GYD 241.28	GYD 207.98 GYD 210.45 GYD 242.54 GYD 245.64	GYD 207.98 GYD 210.45 GYD 249.16 V GYD 252.12 V	GYD 207.98 GYD 210.45 GYD 255.21 GYD 258.46

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 92.9298	HTG 63.3625	HTG 65.8614	HTG 72.0635
		V, M	EUR 1 =	HTG 106.2364	HTG 74.1215	HTG 78.9020	HTG 88.4291
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 24.5604	HNL 24.3273	HNL 24.2158	HNL 24.1141
		S	USD 1 =	HNL 24.7323	HNL 24.4976	HNL 24.3853	HNL 24.2829
	V, B	EUR 1 =	HNL 28.1617	HNL 28.4581	HNL 29.0105	HNL 29.5904	
	V, S	EUR 1 =	HNL 28.3588	HNL 28.6573	HNL 29.2136	HNL 29.7975	
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.72474	HKD 7.72190	HKD 7.72020	HKD 7.72240
		S	USD 1 =	HKD 7.78713	HKD 7.78430	HKD 7.78200	HKD 7.78420
	B	EUR 1 =	HKD 8.80685	HKD 8.95420	HKD 9.21590	HKD 9.44210	
	S	EUR 1 =	HKD 8.98652	HKD 9.14110	HKD 9.35950	HKD 9.58590	
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 307.93	HUF 315.04	HUF 300.45	HUF 297.36
		M	EUR 1 =	HUF 354.16	HUF 367.75	HUF 360.09	HUF 365.13
Iceland							
Reykjavik 024	Icelandic krona ISK	M	USD 1 =	ISK 135.317	ISK 140.56	ISK 132.70	ISK 127.21
		M	EUR 1 =	ISK 155.160	ISK 164.33	ISK 159.00	ISK 156.10
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 74.0770	INR 73.9732	INR 73.7983	INR 73.0536
		M	EUR 1 =	INR 84.9420	INR 86.9654	INR 88.0222	INR 89.7931
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,512.53	IDR 14,616.55	IDR 14,057.36	IDR 14,034.48
		S	USD 1 =	IDR 14,658.39	IDR 14,763.45	IDR 14,198.64	IDR 14,175.53
	B	EUR 1 =	IDR 16,693.66	IDR 17,279.69	IDR 16,825.25	IDR 17,241.36	
	S	EUR 1 =	IDR 16,866.48	IDR 17,459.26	IDR 17,000.03	IDR 17,418.89	
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 48,188	IRR 48,998	IRR 50,258	IRR 51,609
		³ M	USD 1 =	IRR 212,325	IRR 268,000	IRR 255,500	IRR 258,000
		³ M	EUR 1 =	IRR 245,538	IRR 312,950	IRR 306,100	IRR 316,400

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Iraq ¹							
Baghdad 612	Iraqi dinar = 1,000 fils	2 B	USD 1 =	IQD 1,204.33	IQD 1,182.00	IQD 1,182.00	IQD 1,450.00 1
			USD 1 =	IQD 1,212.50	IQD 1,190.00	IQD 1,460.00 1	
		B	EUR 1 =	IQD 1,381.469	IQD 1,398.542	IQD 1,405.398	IQD 1,782.775 1
			EUR 1 =	IQD 1,390.839	IQD 1,408.008	IQD 1,414.910	IQD 1,795.070 1
		3 S	USD 1 =	IQD 1,242.68	IQD 1,248.441	IQD 1,249.689	IQD 1,459.362
IQD	V, S	EUR 1 =	IQD 1,428.05	IQD 1,460.43	IQD 1,497.13	IQD 1,790.78	
Ireland							
Dublin 007	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Israel							
Jerusalem 624	New shekel = 100 agorot ILS	M	USD 1 =	ILS 3.4367	ILS 3.4220	ILS 3.3080	ILS 3.2150
		M	EUR 1 =	ILS 3.9205	ILS 3.9938	ILS 3.9656	ILS 3.9441
Italy							
Rome 005	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Jamaica							
Kingston 464	Jamaican dollar = 100 cents JMD	B	USD 1 =	JMD 141.7940	JMD 145.9384	JMD 145.7763	JMD 141.5233
			USD 1 =	JMD 143.3604	JMD 147.5785	JMD 146.9856	JMD 143.3834
		B	EUR 1 =	JMD 158.34648	JMD 166.1186	JMD 169.1892	JMD 167.3733
			EUR 1 =	JMD 166.25036	JMD 173.4653	JMD 178.2577	JMD 178.5591
Japan							
Tokyo 732	Japanese yen = 100 sen JPY	B	USD 1 =	JPY 105.78	JPY 103.60	JPY 102.89	JPY 102.50
			USD 1 =	JPY 107.78	JPY 105.60	JPY 104.89	JPY 104.50
		B	EUR 1 =	JPY 120.47	JPY 120.64	JPY 122.88	JPY 125.45
			EUR 1 =	JPY 123.47	JPY 123.64	JPY 125.88	JPY 128.45
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 0.80850	JOD 0.83034	JOD 0.84634	JOD 0.86787
			EUR 1 =	JOD 0.81537	JOD 0.83759	JOD 0.85143	JOD 0.87394
Kazakhstan							
Nur-Sultan 079	Tenge = 100 tiyn KZT	M	USD 1 =	KZT 414.44	KZT 432.64	KZT 423.87	KZT 420.71
		M	EUR 1 =	KZT 474.42	KZT 505.02	KZT 505.25	KZT 516.13

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.

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 2020	Rate at end of month			
					October 2020	November 2020	December 2020	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 106.5230	KES 108.7188	KES 109.9535	KES 109.0718	
		S	USD 1 =	KES 106.7228	KES 108.9188	KES 110.1535	KES 109.2718	
	KES	B	EUR 1 =	KES 122.0032	KES 127.1335	KES 131.0424	KES 133.7594	
		S	EUR 1 =	KES 122.2632	KES 127.4006	KES 131.3165	KES 134.0306	
	Korea, Democratic People's Republic of ¹							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 108.43	.	.	.
S			USD 1 =	KPW 109.51	.	.	.	
KPW		B	EUR 1 =	KPW 119.19	.	.	.	
		S	EUR 1 =	KPW 120.37	.	.	.	
Korea, Republic of								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,168.59	KRW 1,123.40	KRW 1,096.70	KRW 1,077.40
	S		USD 1 =	KRW 1,191.63	KRW 1,145.60	KRW 1,118.30	KRW 1,098.60	
	KRW	B	EUR 1 =	KRW 1,340.13	KRW 1,311.18	KRW 1,314.01	KRW 1,322.81	
		S	EUR 1 =	KRW 1,367.19	KRW 1,337.66	KRW 1,340.55	KRW 1,349.53	
	Kuwait							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30423	KWD 0.30435	KWD 0.30375	KWD 0.30195
S			USD 1 =	KWD 0.30917	KWD 0.30795	KWD 0.30735	KWD 0.30555	
KWD		B	EUR 1 =	KWD 0.348830	KWD 0.356150	KWD 0.364227	KWD 0.369285	
		S	EUR 1 =	KWD 0.354423	KWD 0.360363	KWD 0.368543	KWD 0.373688	
Kyrgyzstan								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 77.4179	KGS 81.8000	KGS 84.7984	KGS 82.6498
	M		EUR 1 =	KGS 88.6740	KGS 95.4770	KGS 101.1815	KGS 101.3204	
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 9,070	LAK 9,251	LAK 9,264	LAK 9,280	
		S	USD 1 =	LAK 9,086	LAK 9,268	LAK 9,281	LAK 9,297	
	LAK	B	EUR 1 =	LAK 10,408	LAK 10,800	LAK 11,096	LAK 11,394	
		S	EUR 1 =	LAK 10,457	LAK 10,851	LAK 11,149	LAK 11,448	
	Latvia							
	Riga 054	Euro = 100 cent	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Lebanon ¹								
Beirut 604	Lebanese pound = 100 piastres	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	
		M	EUR 1 =	LBP 1,724.92	LBP 1,760.01	LBP 1,806.59	LBP 1,851.21	
Lesotho ¹								
Maseru 395	Loti = 100 lisente	M	USD 1 =	LSL 16.4908	LSL 16.2352	LSL 15.3445	LSL 14.6941	
		M	EUR 1 =	LSL 18.8760	LSL 18.9992	LSL 18.3750	LSL 18.0635	

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 189.93	LRD 180.5962	LRD 156.8482	LRD 163.4194
		S	USD 1 =	LRD 191.30	LRD 182.0047	LRD 158.2155	LRD 165.0174
	LRD	V, B	EUR 1 =	LRD 217.4353	LRD 211.2614	LRD 187.9041	LRD 200.5319
		V, S	EUR 1 =	LRD 219.0024	LRD 212.9091	LRD 189.5422	LRD 202.4929
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3817	LYD 1.3611	LYD 1.3486	LYD 1.3354 V
		S	USD 1 =	LYD 1.3886	LYD 1.3679	LYD 1.3554	LYD 1.3421 V
	LYD	B	EUR 1 =	LYD 1.5820	LYD 1.6039	LYD 1.6151	LYD 1.6387
		S	EUR 1 =	LYD 1.5900	LYD 1.6119	LYD 1.6232	LYD 1.6469
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 7.9833	MOP 7.9808	MOP 7.9764	MOP 7.9773
		S	USD 1 =	MOP 8.0064	MOP 8.0033	MOP 8.0026	MOP 8.0035
	MOP	B	EUR 1 =	MOP 9.1556	MOP 9.3176	MOP 9.5451	MOP 9.7889
		S	EUR 1 =	MOP 9.1946	MOP 9.3561	MOP 9.5866	MOP 9.8304
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,793.86	MGA 3,897.25	MGA 3,781.69	MGA 3,824.84
		M	EUR 1 =	MGA 4,330.03	MGA 4,545.29	MGA 4,511.92	MGA 4,686.98
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 738.3908	MWK 747.8537	MWK 753.0002	MWK 763.2054
		S	USD 1 =	MWK 753.1198	MWK 762.8093	MWK 768.0586	MWK 778.4680
	MWK	B	EUR 1 =	MWK 847.7749	MWK 873.4184	MWK 901.4165	MWK 938.5137
		S	EUR 1 =	MWK 864.6874	MWK 890.8850	MWK 919.4430	MWK 957.2821
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.1319	MYR 4.0860	MYR 4.0034	MYR 3.9575
		S	USD 1 =	MYR 4.2695	MYR 4.2340	MYR 4.1336	MYR 4.1025
	MYR	B	EUR 1 =	MYR 4.7206	MYR 4.7596	MYR 4.7755	MYR 4.8577
		S	EUR 1 =	MYR 4.9037	MYR 4.9528	MYR 4.9605	MYR 5.0540

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.38	MVR 15.37	MVR 15.36	MVR 15.41
		V, M	EUR 1 =	MVR 17.64149	MVR 17.97983	MVR 18.40128	MVR 18.90961
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 574.293	XOF 560.743	XOF 547.543	XOF 534.559
		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 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Mauritania							
Nouakchott 228	Ouguiya MRU	B	USD 1 =	MRU 37.10	MRU 36.84	MRU 36.85	MRU 36.58
		S	USD 1 =	MRU 37.47	MRU 37.21	MRU 37.22	MRU 36.95
		B	EUR 1 =	MRU 42.47	MRU 43.24	MRU 44.16	MRU 44.91
		S	EUR 1 =	MRU 42.89	MRU 43.68	MRU 44.60	MRU 45.36
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 38.9384	MUR 39.5735	MUR 39.4472	MUR 38.9559
		S	USD 1 =	MUR 39.8379	MUR 40.4729	MUR 40.3464	MUR 39.8550
		B	EUR 1 =	MUR 44.5651	MUR 46.1129	MUR 47.0702	MUR 47.7277
		S	EUR 1 =	MUR 45.7989	MUR 47.3872	MUR 48.3724	MUR 49.0541
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 21.5057	MXN 21.2300	MXN 20.1380	MXN 19.9400
		S	USD 1 =	MXN 21.5195	MXN 21.2400	MXN 20.1470	MXN 19.9500
		V, B	EUR 1 =	MXN 24.7500	MXN 24.8349	MXN 24.1253	MXN 24.4684
		V, S	EUR 1 =	MXN 24.7634	MXN 24.8466	MXN 24.1361	MXN 24.4806
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 17.3097	MDL 17.0377	MDL 17.2383	MDL 17.2146
		M	EUR 1 =	MDL 19.7740	MDL 19.9400	MDL 20.5541	MDL 21.1266
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,817.89	MNT 2,851.99	MNT 2,849.66	MNT 2,849.89
		M	EUR 1 =	MNT 3,234.16	MNT 3,329.84	MNT 3,412.18	MNT 3,504.51
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.4830	MAD 9.1923	MAD 9.0731	MAD 8.9048
		M	EUR 1 =	MAD 10.8360	MAD 10.7890	MAD 10.8750	MAD 10.9351

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Mozambique							
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 69.33	MZN 72.51	MZN 73.50	MZN 74.16
		S	USD 1 =	MZN 70.71	MZN 73.96	MZN 74.97	MZN 75.64
	MZN	B	EUR 1 =	MZN 79.66	MZN 84.69	MZN 87.99	MZN 91.11
		S	EUR 1 =	MZN 81.25	MZN 86.39	MZN 89.75	MZN 92.92
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,367.99	MMK 1,287.40	MMK 1,314.70	MMK 1,329.10
		M	EUR 1 =	MMK 1,566.13	MMK 1,513.80	MMK 1,568.20	MMK 1,629.50
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 16.4975	NAD 16.3610	NAD 15.2613	NAD 14.6218
		M	EUR 1 =	NAD 18.9025	NAD 19.1088	NAD 18.2743	NAD 17.9716
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 118.35	NPR 118.27	NPR 118.19	NPR 117.00
		S	USD 1 =	NPR 118.95	NPR 118.87	NPR 118.79	NPR 117.60
	NPR	B	EUR 1 =	NPR 135.65	NPR 138.81	NPR 141.40	NPR 143.54
		S	EUR 1 =	NPR 136.33	NPR 139.52	NPR 142.11	NPR 144.28
Netherlands							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
New Caledonia ¹							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.57	USD 9.80	USD 10.04	USD 10.28
		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 0.6646	USD 0.6763	USD 0.7166	USD 0.7360
		S	NZD 1 =	USD 0.6398	USD 0.6509	USD 0.6899	USD 0.7082
	NZD	B	NZD 1 =	EUR 0.5813	EUR 0.5785	EUR 0.5988	EUR 0.5991
		S	NZD 1 =	EUR 0.5584	EUR 0.5568	EUR 0.5763	EUR 0.5762
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 34.3819	NIO 34.6819	NIO 34.7661	NIO 34.8245
		V, M	EUR 1 =	NIO 39.44819	NIO 40.57089	NIO 41.64979	NIO 42.73314

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Niger ¹							
Niamey 240	CFA franc	V	USD 1 =	XOF 574.293	XOF 560.743	XOF 547.543	XOF 534.559
	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 356.66	NGN 379.00	NGN 379.00	NGN 379.00
		S	USD 1 =	NGN 357.66	NGN 380.00	NGN 380.00	NGN 380.00
	NGN	B	EUR 1 =	NGN 408.9567	NGN 442.5204	NGN 454.3452	NGN 465.2604
		S	EUR 1 =	NGN 410.1010	NGN 443.6880	NGN 455.5440	NGN 466.4880
North Macedonia							
Skopje 096	North Macedonia denar = 100 deni	B	USD 1 =	MKD 53.7828	MKD 52.4491	MKD 51.4903	MKD 49.9841
		S	USD 1 =	MKD 54.3233	MKD 52.9763	MKD 52.0077	MKD 50.4865
	MKD	B	EUR 1 =	MKD 61.3734	MKD 61.3865	MKD 61.3866	MKD 61.3855
		S	EUR 1 =	MKD 61.9903	MKD 62.0035	MKD 62.0036	MKD 62.0025
Norway							
Oslo 028	Norwegian krone = 100 øre	B	USD 1 =	NOK 9.3758	NOK 9.5598	NOK 8.8110	NOK 8.4995
		S	USD 1 =	NOK 9.4481	NOK 9.6318	NOK 8.8830	NOK 8.5755
	NOK	B	EUR 1 =	NOK 10.7787	NOK 11.1665	NOK 10.5557	NOK 10.4628
		S	EUR 1 =	NOK 10.8582	NOK 11.2455	NOK 10.6347	NOK 10.5478
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 0.4399904	OMR 0.4522752	OMR 0.4595328	OMR 0.4719744
		S	EUR 1 =	OMR 0.4412132	OMR 0.4535300	OMR 0.4608065	OMR 0.4732805
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 161.93	PKR 160.50	PKR 159.45	PKR 160.30
		S	USD 1 =	PKR 162.43	PKR 161.00	PKR 159.95	PKR 160.80
	PKR	B	EUR 1 =	PKR 185.36	PKR 188.58	PKR 190.86	PKR 197.05
		S	EUR 1 =	PKR 186.01	PKR 189.17	PKR 191.46	PKR 197.67
Panama ¹							
Panama City 442	Balboa = 100 centésimos	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
	PAB	V	EUR 1 =	PAB 1.1422	PAB 1.1698	PAB 1.1980	PAB 1.2271
Papua New Guinea							
Port Moresby 801	Kina = 100 toea	B	PGK 1 =	USD 0.2963	USD 0.2935	USD 0.2925	USD 0.2925
		S	PGK 1 =	USD 0.2813	USD 0.2785	USD 0.2775	USD 0.2775
	PGK	B	PGK 1 =	EUR 0.2527	EUR 0.2456	EUR 0.2387	EUR 0.2323
		S	PGK 1 =	EUR 0.2377	EUR 0.2306	EUR 0.2237	EUR 0.2173

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 6,770.58	PYG 7,021.87	PYG 7,032.03	PYG 6,891.96
		S	USD 1 =	PYG 6,788.29	PYG 7,027.63	PYG 7,041.33	PYG 6,941.65
	PYG	V, B	EUR 1 =	PYG 7,752.25	PYG 8,214.18	PYG 8,424.37	PYG 8,464.02
V, S		EUR 1 =	PYG 7,772.67	PYG 8,220.92	PYG 8,435.51	PYG 8,525.04	
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.494	PEN 3.610	PEN 3.603	PEN 3.618
		S	USD 1 =	PEN 3.498	PEN 3.615	PEN 3.610	PEN 3.624
	PEN	B	EUR 1 =	PEN 3.943	PEN 4.137	PEN 4.283	PEN 4.446
S		EUR 1 =	PEN 4.117	PEN 4.351	PEN 4.423	PEN 4.906	
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 49.28	PHP 48.10	PHP 47.85	PHP 47.75
		S	USD 1 =	PHP 49.78	PHP 48.60	PHP 48.35	PHP 48.25
	PHP	B	EUR 1 =	PHP 54.8526	PHP 54.6153	PHP 56.1340	PHP 56.3625
S		EUR 1 =	PHP 58.1524	PHP 57.8918	PHP 59.0951	PHP 60.6111	
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.8978	PLN 3.9563	PLN 3.7364	PLN 3.7584
		M	EUR 1 =	PLN 4.4742	PLN 4.6188	PLN 4.4779	PLN 4.6148
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
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 4.1751	QAR 4.2581	QAR 4.3607	QAR 4.4666
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.2413	RON 4.1768	RON 4.0875	RON 3.9660
		M	EUR 1 =	RON 4.8418	RON 4.8743	RON 4.8735	RON 4.8694
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 72.3558	RUB 79.3323	RUB 75.8599	RUB 73.8757
		M	EUR 1 =	RUB 83.9960	RUB 92.6284	RUB 90.4629	RUB 90.6824

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 934.857718	RWF 953.722627	RWF 958.842039	RWF 962.847533
		S	USD 1 =	RWF 953.552984	RWF 972.795153	RWF 978.016943	RWF 982.102539
	RWF	B	EUR 1 =	RWF 1,070.37143	RWF 1,113.94803	RWF 1,147.80104	RWF 1,183.53219
		S	EUR 1 =	RWF 1,091.77668	RWF 1,136.22474	RWF 1,170.75474	RWF 1,207.20044
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.77894	SHP 0.77114	SHP 0.74996	SHP 0.73265
		V	EUR 1 =	SHP 0.88970	SHP 0.90208	SHP 0.89845	SHP 0.89903
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 3.0705	XCD 3.1447	XCD 3.2205	XCD 3.2987
		V, S	EUR 1 =	XCD 3.1032	XCD 3.1782	XCD 3.2548	XCD 3.3339
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 3.0705	XCD 3.1447	XCD 3.2205	XCD 3.2987
		V, S	EUR 1 =	XCD 3.1032	XCD 3.1782	XCD 3.2548	XCD 3.3339
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 3.0705	XCD 3.1447	XCD 3.2205	XCD 3.2987
		V, S	EUR 1 =	XCD 3.1032	XCD 3.1782	XCD 3.2548	XCD 3.3339
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.37602	USD 0.37852	USD 0.38934	USD 0.39558
		M	WST 1 =	EUR 0.32805	EUR 0.32464	EUR 0.32545	EUR 0.32194
Sao Tome and Principe							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 21.4306	STN 20.9330	STN 20.5502	STN 19.9495
		S	USD 1 =	STN 21.7520	STN 21.2470	STN 20.8585	STN 20.2488
	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 4.2953	SAR 4.3716	SAR 4.4807	SAR 4.5688

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 574.293	XOF 560.743	XOF 547.543	XOF 534.559
	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 102.5584	RSD 100.3126	RSD 97.8951	RSD 95.3767
		S	USD 1 =	RSD 103.1756	RSD 100.9162	RSD 98.4843	RSD 95.9507
	RSD	B	EUR 1 =	RSD 117.2267	RSD 117.2152	RSD 117.2295	RSD 117.2275
		S	EUR 1 =	RSD 117.9322	RSD 117.9206	RSD 117.9349	RSD 117.9329
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 17.5118	SCR 19.3367	SCR 20.9335	SCR 21.4039
		S	USD 1 =	SCR 18.0531	SCR 20.0038	SCR 21.5493	SCR 21.7620
	SCR	B	EUR 1 =	SCR 20.3540	SCR 22.7893	SCR 25.1351	SCR 26.0553
		S	EUR 1 =	SCR 20.8170	SCR 23.3858	SCR 25.7813	SCR 26.7949
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 9,731.85	SLL 9,912.63	SLL 9,923.78	SLL 10,032.02
		S	USD 1 =	SLL 9,928.45	SLL 10,112.89	SLL 10,124.26	SLL 10,234.69
	SLL	B	EUR 1 =	SLL 11,150.96	SLL 11,573.55	SLL 11,873.65	SLL 12,246.69
		S	EUR 1 =	SLL 11,373.32	SLL 11,804.01	SLL 12,110.64	SLL 12,489.92
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3785	SGD 1.3637	SGD 1.3373	SGD 1.3221
		M	EUR 1 =	SGD 1.5781	SGD 1.5943	SGD 1.6004	SGD 1.6249
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 204.29	ANG 207.88	ANG 213.55	ANG 218.84
		S	EUR 100 =	ANG 208.40	ANG 212.07	ANG 217.85	ANG 223.25
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1218	USD 0.1233	USD 0.1240	USD 0.1243
		M	SBD 1 =	EUR 0.10634	EUR 0.10500	EUR 0.10370	EUR 0.10110

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 2020	Rate at end of month		
					October 2020	November 2020	December 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 16.2667	ZAR 16.0650	ZAR 15.1800	ZAR 14.4738
		S	USD 1 =	ZAR 16.5842	ZAR 16.3825	ZAR 15.4975	ZAR 14.7913
	ZAR	B	EUR 1 =	ZAR 18.6923	ZAR 18.7495	ZAR 18.1781	ZAR 17.7718
		S	EUR 1 =	ZAR 19.1284	ZAR 19.1894	ZAR 18.6206	ZAR 18.2155
South Sudan							
Juba 225	South Sudanese pound = 100 piastres SSP	M	USD 1 =	SSP 167.8527	SSP 173.6006	SSP 176.8557	SSP 177.2315
		M	EUR 1 =	SSP 195.2527	SSP 205.3783	SSP 210.9006	SSP 215.9123
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1698	USD 1.1980	USD 1.2271
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 183.2437	LKR 182.1300	LKR 183.3300	LKR 184.1200
		S	USD 1 =	LKR 187.8005	LKR 186.4500	LKR 187.5500	LKR 189.1800
	LKR	B	EUR 1 =	LKR 208.6868	LKR 212.8676	LKR 218.3223	LKR 225.5407
		S	EUR 1 =	LKR 216.2827	LKR 220.3647	LKR 225.7683	LKR 233.5264
Sudan							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 54.4417	SDG 55.0000	SDG 55.0000	SDG 55.0000
		S	USD 1 =	SDG 54.7139	SDG 55.2750	SDG 55.2750	SDG 55.2750
	SDG	B	EUR 1 =	SDG 62.4240	SDG 64.8054	SDG 65.8323	SDG 67.5857
		S	EUR 1 =	SDG 62.7361	SDG 65.1294	SDG 66.1614	SDG 67.9236
Suriname							
Paramaribo 492	Suriname dollar = 100 cents	B	USD 1 =	SRD 9.603	SRD 14.018	SRD 14.018	SRD 14.018
		S	USD 1 =	SRD 9.777	SRD 14.290	SRD 14.290	SRD 14.290
	SRD	B	EUR 1 =	SRD 11.096	SRD 16.407	SRD 16.713	SRD 17.209
		S	EUR 1 =	SRD 11.298	SRD 16.725	SRD 17.037	SRD 17.552
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 9.1519	SEK 8.8607	SEK 8.4288	SEK 8.1361
		S	USD 1 =	SEK 9.2569	SEK 8.9657	SEK 8.5338	SEK 8.2411
	SEK	B	EUR 1 =	SEK 10.4272	SEK 10.3440	SEK 10.1004	SEK 9.9800
		S	EUR 1 =	SEK 10.5422	SEK 10.4590	SEK 10.2154	SEK 10.0950

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9381	CHF 0.9159	CHF 0.9031	CHF 0.8812
		B	EUR 1 =	CHF 1.0711	CHF 1.0693	CHF 1.0823	CHF 1.0822
Syrian Arab Republic ¹							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 1,250.00 ²	SYP 1,250.00	SYP 1,250.00	SYP 1,250.00
		S	USD 1 =	SYP 1,262.14 ²	SYP 1,262.00	SYP 1,262.00	SYP 1,262.00
		B	EUR 1 =	SYP 1,474.86 ²	SYP 1,472.00	SYP 1,496.00	SYP 1,525.00
		S	EUR 1 =	SYP 1,489.61 ²	SYP 1,486.72	SYP 1,510.96	SYP 1,540.25
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 10.3374	TJS 10.3398	TJS 11.3000	TJS 11.3000
		M	EUR 1 =	TJS 11.8378	TJS 12.0707	TJS 13.4798	TJS 13.8934
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,283.1172	TZS 2,286.2475	TZS 2,286.2376	TZS 2,287.0198
		S	USD 1 =	TZS 2,305.9483	TZS 2,309.1100	TZS 2,309.1000	TZS 2,309.8900
		B	EUR 1 =	TZS 2,617.0269	TZS 2,700.7442	TZS 2,729.0819	TZS 2,806.4020
		S	EUR 1 =	TZS 2,643.9660	TZS 2,728.6753	TZS 2,757.2963	TZS 2,835.3900
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 31.0973	THB 31.0247	THB 30.1090	THB 29.8674
		S	USD 1 =	THB 31.4341	THB 31.3706	THB 30.4520	THB 30.2068
		B	EUR 1 =	THB 35.5464	THB 36.0566	THB 35.8496	THB 36.4949
		S	EUR 1 =	THB 36.2858	THB 36.8093	THB 36.6205	THB 37.2578
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 574.293	XOF 560.743	XOF 547.543	XOF 534.559
		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 0.4350	USD 0.4301	USD 0.4375	USD 0.4400
		M	TOP 1 =	EUR 0.3787	EUR 0.3676	EUR 0.3650	EUR 0.3574
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7138	TTD 6.7516	TTD 6.7357	TTD 6.7230
		S	USD 1 =	TTD 6.7781	TTD 6.7977	TTD 6.7989	TTD 6.7993
		B	EUR 1 =	TTD 7.7724	TTD 7.9841	TTD 8.0013	TTD 8.8720
		S	EUR 1 =	TTD 8.3139	TTD 8.5087	TTD 8.4856	TTD 9.3793

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 Average from June to December 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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.8046	TND 2.7695	TND 2.7256	TND 2.6785
			USD 1 =	TND 2.8074	TND 2.7723	TND 2.7284	TND 2.6812
	TND	B S	EUR 1 =	TND 3.2055	TND 3.2362	TND 3.2689	TND 3.2902
			EUR 1 =	TND 3.2087	TND 3.2394	TND 3.2721	TND 3.2934
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 7.0024	TRY 8.1211	TRY 7.7975	TRY 7.3405
			USD 1 =	TRY 7.0150	TRY 8.1357	TRY 7.8116	TRY 7.3537
	TRY	B S	EUR 1 =	TRY 8.0963	TRY 9.5974	TRY 9.2988	TRY 9.0079
			EUR 1 =	TRY 8.1109	TRY 9.6147	TRY 9.3156	TRY 9.0241
Turkmenistan ¹							
Ashgabat 080	Turkmen manat = 100 tenge	2	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 4.0021	TMT 4.0845	TMT 4.1867	TMT 4.2900
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,718.43	UGX 3,735.78	UGX 3,694.17	UGX 3,640.43
			USD 1 =	UGX 3,728.43	UGX 3,745.78	UGX 3,704.17	UGX 3,650.43
	UGX	B S	EUR 1 =	UGX 4,242.69	UGX 4,389.87	UGX 4,397.30	UGX 4,456.94
			EUR 1 =	UGX 4,254.10	UGX 4,401.62	UGX 4,409.20	UGX 4,469.18
Ukraine							
Kyiv 072	Hryvnia = 100 kopyok	M	USD 1 =	UAH 27.0268	UAH 28.4383	UAH 28.4681	UAH 28.2746
		M	EUR 1 =	UAH 30.9090	UAH 33.2984	UAH 33.9596	UAH 34.7396
UAH							
United Arab Emirates ¹							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils	2	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
		V, M	EUR 1 =	AED 4.1947	AED 4.2961	AED 4.3997	AED 4.5065
AED							
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M	GBP 1 =	USD 1.2836	USD 1.2933	USD 1.3353	USD 1.3649
		M	EUR 1 =	GBP 0.8882	GBP 0.9006	GBP 0.8961	GBP 0.8994
GBP							
United States							
Washington 400	US dollar = 100 cents	M	EUR 1 =	USD 1.14706	USD 1.1647	USD 1.1928	USD 1.2213
		M	GBP 1 =	USD 1.28379	USD 1.2941	USD 1.3321	USD 1.3673
USD							

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 2020	Rate at end of month		
					October 2020	November 2020	December 2020
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 42.056	UYU 43.003	UYU 42.521	UYU 42.340
		M	EUR 1 =	UYU 48.0537	UYU 50.0813	UYU 50.8190	UYU 52.0443
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 10,067.97	UZS 10,359.88	UZS 10,414.86	UZS 10,476.92
		M	EUR 1 =	UZS 11,507.02	UZS 12,285.78	UZS 12,344.73	UZS 12,786.03
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 113.11	VUV 111.81	VUV 108.58	VUV 105.82
		S	USD 1 =	VUV 120.41	VUV 118.92	VUV 115.48	VUV 112.55
		B	EUR 1 =	VUV 130.25	VUV 131.48	VUV 130.33	VUV 131.09
		S	EUR 1 =	VUV 135.57	VUV 136.79	VUV 135.59	VUV 136.39
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	VES 374,790	VES 517,785	VES 1,048,185	VES 1,104,431
		S	USD 1 =	VES 375,729	VES 519,082	VES 1,050,812	VES 1,107,199
		B	EUR 1 =	VES 443,299	VES 604,664	VES 1,257,665	VES 1,356,097
		S	EUR 1 =	VES 444,444	VES 606,179	VES 1,260,817	VES 1,359,496
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,160	VND 23,090	VND 23,050	VND 23,035
		S	USD 1 =	VND 23,332	VND 23,270	VND 23,230	VND 23,215
		B	EUR 1 =	VND 26,248.31	VND 26,642.93	VND 27,259.92	VND 27,933.75
		S	EUR 1 =	VND 27,282.12	VND 27,721.73	VND 28,363.75	VND 29,064.91
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 286.39	YER 294.46	YER 299.09	YER 307.40
		S	EUR 1 =	YER 286.96	YER 295.05	YER 299.69	YER 308.01
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 18.5912	ZMW 20.3892	ZMW 20.9852	ZMW 21.1400
		S	USD 1 =	ZMW 18.6414	ZMW 20.4392	ZMW 21.0338	ZMW 21.1900
		B	EUR 1 =	ZMW 21.3952	ZMW 23.8472	ZMW 25.1570	ZMW 25.9304
		S	EUR 1 =	ZMW 21.4583	ZMW 23.9118	ZMW 25.2216	ZMW 25.9959
Zimbabwe							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	ZWL 54.51903	ZWL 81.35310	ZWL 81.81510	ZWL 81.78660
		M	EUR 1 =	ZWL 63.77682	ZWL 95.00435	ZWL 97.96560	ZWL 100.54865

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.

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
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
2020	1.44027	1.18385	9.41203	149.255	1.07323	1.85161	1.28162	8.80553	12.5770	11.9614
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
Aug.	1.41891	1.18837	9.72819	149.511	1.06618	1.85055	1.28376	8.84603	12.4244	12.2621
Sep.	1.40757	1.20223	9.58359	148.907	1.09688	1.87756	1.29778	8.95207	13.3458	12.6517
Oct.	1.41164	1.20674	9.45555	147.629	1.08722	1.88002	1.29370	8.98610	13.3876	12.5822
Nov.	1.43009	1.19373	9.41673	148.544	1.07079	1.85411	1.29166	8.88289	12.6070	12.1990
Dec.	1.44027	1.18385	9.41203	149.255	1.07323	1.85161	1.28162	8.80553	12.5770	12.9614
2020 Nov. 16	1.42154	1.20164	9.35034	148.807	1.07656	1.86008	1.29915	8.94983	12.8948	12.2878
17	1.42536	1.19959	9.35716	148.921	1.07408	1.86636	1.29729	8.93455	12.9176	12.2770
18	1.42562	1.20123	9.32784	148.364	1.07363	1.86228	1.29809	8.95103	12.8669	12.2426
19	1.42329	1.20292	9.36102	147.795	1.07370	.	1.29819	8.96146	12.8592	12.2944
20	1.42552	1.20166	9.37040	148.069	1.07360	.	1.29922	8.95103	12.8112	12.2644
23	1.42766	1.19961	9.38183	.	1.06777	1.86766	1.29610	8.93368	12.8242	12.2751
24	1.42453	1.20062	9.37128	148.949	1.06806	1.85659	1.30052	8.93551	12.8188	12.2366
25	1.42527	1.19872	9.37576	148.941	1.06934	1.85328	1.30078	8.92077	12.6450	12.1500
30	1.43009	1.19373	9.41673	148.544	1.07079	1.85411	1.29166	8.88289	12.6070	12.1290
Dec. 1	1.42900	1.19402	9.37726	148.988	1.07234	1.85084	1.29439	8.88841	12.6600	12.1798
2	1.43203	1.18683	9.40230	149.418	1.07312	1.85218	1.28775	8.83447	12.6993	12.1996
3	1.43674	1.18240	9.42223	150.067	1.06892	1.85052	1.28207	8.80173	12.6599	12.1719
4	1.43929	1.18372	9.40256	149.398	1.06887	1.84243	1.28090	8.81034	12.6182	12.1498
7	1.43476	1.18302	9.37471	149.330	1.08239	1.83664	1.27923	8.80553	12.5788	12.1965
8	1.43562	1.18509	9.38324	149.376	1.07832	1.83874	1.27763	8.82130	12.5955	12.0824
9	1.43703	1.18674	9.38553	149.666	1.06775	1.83982	1.27701	8.83283	12.5513	12.1410
10	1.43348	1.18323	9.39241	149.469	1.08155	1.82539	1.27458	8.80584	12.6605	12.1456
11	1.43446	1.18287	9.37928	149.199	1.08812	1.83167	1.27517	8.80398	12.6528	12.1347
14	1.43862	1.18288	9.40858	149.631	1.09127	1.83525	1.27426	8.80305	12.5187	12.1068
15	1.43798	1.18450	9.41877	149.694	1.07480	1.82940	1.27384	8.81585	12.5723	12.1025
16	1.44191	1.18296	9.43254	149.526	1.06548	1.83887	1.27349	8.80297	12.5143	12.0326
17	1.44450	1.17957	9.43779	149.073	1.06147	1.83712	1.27629	8.77578	12.3874	11.9982
18	1.44397	1.17789	9.44644	149.090	1.06700	1.84467	1.27503	8.76263	12.3870	11.9294
21	1.43706	1.18053	9.41168	148.563	1.08269	1.84647	1.27682	8.78326	12.5747	11.9882
22	1.44201	1.17821	9.44367	149.147	1.07564	1.86134	1.27639	8.76601	12.4817	11.9319
23	1.44027	1.18385	9.41203	149.255	1.07323	1.85161	1.28162	8.80553	12.5770	11.9614
2021 Jan. 4	1.44878	1.17826	9.37102	149.341	1.05983	1.84734	1.27471	8.76370	12.3057	11.8628
5	1.44796	1.17998	9.35760	149.342	1.06534	1.83992	1.27362	8.77755	12.3560	11.8941
6	1.45068	1.17578	9.36382	149.130	1.06289	1.84019	1.27131	8.74707	12.2057	.
7	1.44526	1.17731	9.33297	148.848	1.06540	1.83650	1.27718	8.75833	.	11.8332
8	1.44517	1.17973	9.34649	150.052	1.06333	1.83609	1.27782	8.77347	12.1351	11.8825
11	1.44024	1.18411	9.33045	.	1.06791	1.84177	1.28195	8.80646	12.2769	11.9014
12	1.44091	1.18486	9.31047	150.157	1.06039	1.83658	1.28212	8.81360	12.2947	11.9343
13	1.44219	1.18542	9.31793	149.511	1.05488	1.83302	1.28189	8.81850	12.2561	11.9123
14	1.44172	1.18914	9.32097	149.852	1.05632	1.82435	1.28248	8.84635	12.2611	12.0078

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 2019

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	Bhutan Eswatini Lesotho Namibia Nepal	Samoa ³		Solomon Islands ³
Stabilised arrangement	Guyana Iran, Islamic Republic of ⁷ Lebanon Maldives Trinidad and Tobago	Croatia North Macedonia	Morocco Viet Nam ⁷		Bolivia, Plurinational State of ⁷ Congo, Democratic Republic of the ⁷ Guinea ⁷ Malawi ⁷ Nigeria ⁷ Suriname ⁷ Yemen ⁷	Armenia ^{7,8} Guatemala ^{7,9} Romania ^{8,9,10} Serbia ¹⁰	Azerbaijan ⁷ Egypt ⁷ Kyrgyzstan ^{7,8} Sudan ⁷ Tajikistan ^{7,9,11}
Crawling peg	Honduras Nicaragua		Botswana				

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2019, 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 2019

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	Liberia		Singapur		Algeria ⁷ Bangladesh ⁷ Burundi ⁷ Ethiopia ⁷ Papua New Guinea ⁷ Rwanda ⁷ Tanzania, United Republic of ⁷	Dominican Republic ⁷ Paraguay ⁷	Haiti ⁷ Lao People's Democratic Republic ⁷ Mauritania ⁷ Sri Lanka ^{7,11} South Sudan ^{7,8} Tunisia ^{10,11} Uzbekistan ^{7,9,11}
Pegged exchange rate within horizontal bands							Tonga ³
Other managed arrangement	Cambodia		Syrian Arab Republic		Afghanistan Angola China Gambia Myanmar Sierra Leone		Kenya ¹¹ Mongolia ^{8,9,11} Pakistan ⁸ Vanuatu Venezuela, Bolivarian Republic of
Floating					Argentina Belarus Madagascar Seychelles Zimbabwe	Albania Brazil Colombia Costa Rica Czechia Georgia Ghana Hungary Iceland India Indonesia Israel Jamaica Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Peru Philippines South Africa Thailand Turkey Uganda Ukraine Uruguay	Malaysia Mauritius Mozambique ¹¹ 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 exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously published classification. 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 central bank is in transition toward inflation targeting. 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?f184ad85cc2c5ccef05680706893cde>).

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 2019 (see Table VI., pp. 44-45) is based on the IMF’s “Annual Report on Exchange Arrangements and Exchange Restrictions 2019”, 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.

The Administración Federal de Ingresos Públicos (AFIP) has been levying an additional tax of 35% on the same transactions since 16 September 2020.

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

With effect from 1 January 2021, the dual currency system consisting of the convertible peso (CUC) and the Cuban peso (CUP) has been abolished and the Cuban peso designated as the country's sole legal tender. The Cuban peso is pegged to the US dollar at a rate of USD 1 = CUP 24. Existing sums in convertible pesos may be exchanged at banks and bureaux de change at a rate of CUC 1 = CUP 24 until 30 June 2021.

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

29 December 2020 EUR 1 = CUC 1.20898 / 1.23342
CUC 1 = USD 1.01009 / 0.99010

4 January 2021 EUR 1 = CUP 29.10125 / 29.68915
USD 1 = CUP 23.76 / 24.24.

Until the end of 2020, the Cuban government applied a CUC to CUP exchange rate of 1:1 in its national accounts. In reality, Cuban pesos could only be exchanged for convertible pesos at a considerable discount.

From 18 March 2005 to the end of 2020, the government foreign exchange bureaus (CADECA – Casas de Cambio) paid CUP 24 per CUC or USD. Individuals wanting to purchase CUC had to 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

With effect from 20 December 2020, the official exchange rates were adjusted more sharply.

We recorded the following exchange rates (buying/selling):

17 December 2020 USD 1 = IQD 1182.00/1190.00
EUR 1 = IQD 1447.477/1457.274

20 December 2020 USD 1 = IQD 1450.00/1460.00
EUR 1 = IQD 1777.555/1789.814.

Calculated using these exchange rates, the Iraqi dinar experienced a devaluation of 18.5% against the US dollar and 18.6% against the euro.

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

Kenya

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

Korea, Democratic People's Republic of

We have no exchange rates for the won as of July 2020.

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

It is understood that there are different bureau de change rates alongside the official, published exchange rate.

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

We have no exchange rates 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.