



Exchange rate statistics

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Statistical Series

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Abbreviations and symbols

CU	Currency unit(s)
EC	European Community
ECB	European Central Bank
ECU	European Currency Unit
EER	Effective exchange rate
ERM	Exchange Rate Mechanism
EU	European Union
IMF	International Monetary Fund
ISO	International Organization for Standardization
SDR	Special drawing right
SITC	Standard International Trade Classification
SWIFT	Society for Worldwide Interbank Financial Telecommunication
B	Buying rate
M	Middle rate
S	Selling rate
V	Calculated value
e	Estimated
p	Provisional
r	Revised
.	Data unknown, not to be published or not meaningful
–	Nil

Discrepancies in the totals are due to rounding.

I. Euro area and exchange rate stability convergence criterion

1. Euro area countries and irrevocable euro conversion rates in the third stage of Economic and Monetary Union

From	Country	Currency	ISO currency code	EUR 1 = CU ...	Council Regulation (EU) No ¹	
1999 January 1	Austria	Austrian schilling	ATS	13.7603	2866/98	
	Belgium	Belgian franc	BEF	40.3399	2866/98	
	Finland	Finnish markka	FIM	5.94573	2866/98	
	France	French franc	FRF	6.55957	2866/98	
	Germany	Deutsche Mark	DEM	1.95583	2866/98	
	Ireland	Irish pound	IEP	0.787564	2866/98	
	Italy	Italian lira	ITL	1,936.27	2866/98	
	Luxembourg	Luxembourg franc	LUF	40.3399	2866/98	
	Netherlands	Dutch guilder	NLG	2.20371	2866/98	
	Portugal	Portuguese escudo	PTE	200.482	2866/98	
	Spain	Spanish peseta	ESP	166.386	2866/98	
	2001 January 1	Greece	Greek drachma	GRD	340.750	1478/2000
	2007 January 1	Slovenia	Slovenian tolar	SIT	239.640	1086/2006
2008 January 1	Cyprus	Cyprus pound	CYP	0.585274	1135/2007	
	Malta	Maltese lira	MTL	0.429300	1134/2007	
2009 January 1	Slovakia	Slovak koruna	SKK	30.1260	694/2008	
2011 January 1	Estonia	Estonian kroon	EEK	15.6466	671/2010	
2014 January 1	Latvia	Latvian lats	LVL	0.702804	870/2013	
2015 January 1	Lithuania	Lithuanian litas	LTL	3.45280	851/2014	

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

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

Country Currency ISO currency code	Type of rate	EUR 1 = CU ...							
		From ... 1 Jan. 1999	17 Jan. 2000	28 June 2004	2 May 2005	28 Nov. 2005	19 Mar. 2007	29 May 2008	13 July 2020
Denmark Danish krone DKK	Upper rate	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824
	Central rate	¹ 7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038
	Lower rate	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252
Bulgaria Bulgarian lev BGN	Upper rate	–	–	–	–	–	–	–	2.24920
	Central rate	–	–	–	–	–	–	–	² 1.95583
	Lower rate	–	–	–	–	–	–	–	1.66246
Croatia Croatian kuna HRK	Upper rate	–	–	–	–	–	–	–	8.66468
	Central rate	–	–	–	–	–	–	–	² 7.53450
	Lower rate	–	–	–	–	–	–	–	6.40433
Greece Greek drachma GRD	Upper rate	406.075	³ 391.863	–	–	–	–	–	–
	Central rate	¹ 353.109	340.750	–	–	–	–	–	–
	Lower rate	300.143	289.638	–	–	–	–	–	–
Estonia Estonian kroon EEK	Upper rate	–	–	17.9936	17.9936	17.9936	17.9936	17.9936	–
	Central rate	–	–	15.6466	15.6466	15.6466	15.6466	⁴ 15.6466	–
	Lower rate	–	–	13.2996	13.2996	13.2996	13.2996	13.2996	–
Lithuania Lithuanian litas LTL	Upper rate	–	–	3.97072	3.97072	3.97072	3.97072	3.97072	–
	Central rate	–	–	3.45280	3.45280	3.45280	3.45280	⁵ 3.45280	–
	Lower rate	–	–	2.93488	2.93488	2.93488	2.93488	2.93488	–
Slovenia Slovenian tolar SIT	Upper rate	–	–	275.586	275.586	275.586	–	–	–
	Central rate	–	–	239.640	239.640	⁶ 239.640	–	–	–
	Lower rate	–	–	203.694	203.694	203.694	–	–	–
Cyprus Cyprus pound CYP	Upper rate	–	–	–	0.673065	0.673065	0.673065	–	–
	Central rate	–	–	–	0.585274	0.585274	⁷ 0.585274	–	–
	Lower rate	–	–	–	0.497483	0.497483	0.497483	–	–
Latvia Latvian lats LVL	Upper rate	–	–	–	0.808225	0.808225	0.808225	0.808225	–
	Central rate	–	–	–	0.702804	0.702804	0.702804	⁸ 0.702804	–
	Lower rate	–	–	–	0.597383	0.597383	0.597383	0.597383	–
Malta Maltese lira MTL	Upper rate	–	–	–	0.493695	0.493695	0.493695	–	–
	Central rate	–	–	–	0.429300	0.429300	⁷ 0.429300	–	–
	Lower rate	–	–	–	0.364905	0.364905	0.364905	–	–
Slovakia Slovak koruna SKK	Upper rate	–	–	–	–	44.2233	40.7588	34.6449	–
	Central rate	–	–	–	–	38.4550	35.4424	⁹ 30.1260	–
	Lower rate	–	–	–	–	32.6868	30.1260	25.6071	–

Source: ECB. * One prerequisite before an EU Member State can join the euro area is that its currency must have observed the normal fluctuation margins of Exchange Rate Mechanism II (the standard fluctuation band is $\pm 15\%$) for at least two years without devaluing against the euro. The Danish krone has a fluctuation band of $\pm 2.25\%$ on either side of the central rate. ¹ According to the EU communiqué of 31 December 1998. ² According to the EU communiqué of 10 July 2020. ³ Until 31 December 2000; accession to the euro area on 1 January 2001. ⁴ Until 31 December

2010; accession to the euro area on 1 January 2011. ⁵ Until 31 December 2014; accession to the euro area on 1 January 2015. ⁶ Until 31 December 2006; accession to the euro area on 1 January 2007. ⁷ Until 31 December 2007; accession to the euro area on 1 January 2008. ⁸ Until 31 December 2013; accession to the euro area on 1 January 2014. ⁹ Until 31 December 2008; accession to the euro area on 1 January 2009.

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

1. End-of-month and daily rates

EUR 1 = CU ...

Period		EU member countries							
		Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden
		Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2020 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
2021 Jan.		1.9558	7.5658	26.020	7.4370	358.39	4.5304	4.8750	10.1110
	Feb.	1.9558	7.5830	26.195	7.4361	361.43	4.5186	4.8750	10.1388
	Mar.	1.9558	7.5705	26.143	7.4373	363.27	4.6508	4.9223	10.2383
	Apr.	1.9558	7.5465	25.883	7.4360	359.86	4.5635	4.9285	10.1640
	May	1.9558	7.5062	25.454	7.4365	347.61	4.4856	4.9195	10.1210
	June	1.9558	7.4913	25.488	7.4362	351.68	4.5201	4.9280	10.1110
	July	1.9558	7.5003	25.501	7.4379	357.20	4.5636	4.9203	10.1868
	Aug.	1.9558	7.4900	25.523	7.4360	348.80	4.5296	4.9359	10.1625
	Sep.	1.9558	7.4889	25.495	7.4360	360.19	4.6197	4.9475	10.1683
2021 Sep.	20	1.9558	7.5055	25.432	7.4359	353.97	4.5997	4.9493	10.2173
	21	1.9558	7.4975	25.400	7.4360	354.63	4.6261	4.9497	10.1763
	22	1.9558	7.4935	25.380	7.4361	355.28	4.6325	4.9505	10.1758
	23	1.9558	7.4945	25.352	7.4362	356.15	4.6077	4.9503	10.1398
	24	1.9558	7.4955	25.408	7.4362	356.99	4.6047	4.9508	10.1380
	27	1.9558	7.5028	25.443	7.4360	358.13	4.5955	4.9495	10.1738
	28	1.9558	7.5013	25.517	7.4360	359.39	4.6176	4.9498	10.1933
	29	1.9558	7.4975	25.457	7.4360	359.60	4.6260	4.9460	10.1830
	30	1.9558	7.4889	25.495	7.4360	360.19	4.6197	4.9475	10.1683
	Oct. 1	1.9558	7.4980	25.309	7.4372	358.16	4.5826	4.9470	10.1538
	4	1.9558	7.4930	25.320	7.4374	355.90	4.5685	4.9478	10.1435
	5	1.9558	7.5050	25.308	7.4379	356.90	4.5998	4.9477	10.1310
	6	1.9558	7.5080	25.415	7.4398	359.43	4.5925	4.9458	10.1628
	7	1.9558	7.5150	25.415	7.4399	358.16	4.5458	4.9475	10.1453
	8	1.9558	7.5188	25.434	7.4413	360.19	4.6182	4.9483	10.1138
	11	1.9558	7.5155	25.399	7.4412	360.70	4.5913	4.9493	10.1163
	12	1.9558	7.5155	25.376	7.4408	359.91	4.5805	4.9499	10.1078
	13	1.9558	7.5180	25.369	7.4407	360.20	4.5772	4.9490	10.1195
	14	1.9558	7.5127	25.387	7.4406	359.00	4.5693	4.9500	10.0138

Period		Other European and non-European countries							
		Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia
		Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR
2020 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
2021 Jan.		1.5819	6.6568	1.5520	7.8047	9.4093	156.10	88.4320	16,994.16
	Feb.	1.5605	6.6644	1.5331	7.8385	9.4010	152.90	89.5766	17,353.51
	Mar.	1.5412	6.7409	1.4782	7.6812	9.1153	148.10	85.8130	17,030.56
	Apr.	1.5581	6.4597	1.4834	7.8134	9.3816	149.60	89.4795	17,424.24
	May	1.5775	6.3868	1.4727	7.7722	9.4690	147.60	88.5414	17,402.96
	June	1.5853	5.9050	1.4722	7.6742	9.2293	146.50	88.3240	17,280.30
	July	1.6133	6.0716	1.4791	7.6838	9.2451	146.60	88.3941	17,184.46
	Aug.	1.6156	6.1386	1.4896	7.6465	9.2086	149.60	86.3850	16,879.69
	Sep.	1.6095	6.2631	1.4750	7.4847	9.0184	150.90	86.0766	16,572.03
2021 Sep.	20	1.6201	6.2495	1.5056	7.5726	9.1188	152.00	86.2720	16,742.86
	21	1.6200	6.2483	1.4995	7.5945	9.1389	152.30	86.4895	16,708.12
	22	1.6178	6.1636	1.4997	7.5850	9.1333	152.10	86.6220	16,694.77
	23	1.6110	6.1788	1.4850	7.5643	9.1205	151.70	86.3670	16,671.56
	24	1.6165	6.2332	1.4895	7.5803	9.1240	150.90	86.4710	16,747.11
	27	1.6129	6.2187	1.4812	7.5609	9.1054	150.10	86.4025	16,673.16
	28	1.6115	6.3122	1.4776	7.5433	9.0882	149.70	86.5595	16,697.39
	29	1.6112	6.3218	1.4793	7.5347	9.0714	150.70	86.4670	16,670.71
	30	1.6095	6.2631	1.4750	7.4847	9.0184	150.90	86.0766	16,572.03
	Oct. 1	1.5985	6.2816	1.4698	7.4781	9.0304	149.70	85.9750	16,563.71
	4	1.5957	6.2579	1.4668	7.5013	9.0597	150.10	86.4025	16,575.85
	5	1.5937	6.3106	1.4612	7.4805	9.0324	148.00	86.4880	16,506.62
	6	1.5913	6.3584	1.4575	7.4407	8.9876	148.60	86.4380	16,487.75
	7	1.5839	6.3380	1.4545	7.4536	9.0008	148.80	86.4080	16,406.70
	8	1.5837	6.3638	1.4499	7.4591	9.0066	149.40	86.7495	16,430.43
	11	1.5751	6.3719	1.4431	7.4644	9.0049	150.00	87.3340	16,444.42
	12	1.5660	6.3977	1.4395	7.4522	8.9915	150.00	87.2720	16,396.85
	13	1.5722	6.3814	1.4386	7.4482	8.9952	150.00	87.1095	16,438.27
	14	1.5644	6.3528	1.4361	7.4683	9.0244	149.60	87.3355	16,353.05

* 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
2020 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
2021 Jan.	3.9814	127.05	1,354.98	4.9060	24.5417	1.6863	10.3430	58.333
Feb.	4.0072	128.83	1,367.10	4.9096	25.2879	1.6622	10.4012	59.090
Mar.	3.9178	129.91	1,324.19	4.8618	24.0506	1.6769	9.9955	56.901
Apr.	3.9199	131.62	1,346.24	4.9482	24.2345	1.6738	9.9533	58.286
May	3.9608	133.79	1,352.04	5.0323	24.3131	1.6799	10.2183	58.138
June	3.8763	131.43	1,341.41	4.9336	23.5784	1.7026	10.1717	58.063
July	3.8403	130.39	1,368.74	5.0180	23.6277	1.6990	10.4405	59.479
Aug.	3.7951	129.95	1,370.03	4.9194	23.7864	1.6760	10.2600	58.765
Sep.	3.7363	129.67	1,371.58	4.8475	23.7439	1.6858	10.1650	59.066
2021 Sep. 20	3.7635	128.18	1,393.32	4.9098	23.6419	1.6694	10.2430	58.845
21	3.7664	128.34	1,388.85	4.9118	23.5912	1.6707	10.1828	58.825
22	3.7592	128.50	1,387.87	4.9174	23.5533	1.6696	10.1268	58.995
23	3.7491	128.88	1,374.73	4.8992	23.4303	1.6622	10.0860	58.870
24	3.7500	129.49	1,382.54	4.9085	23.6280	1.6687	10.0890	59.597
27	3.7427	129.74	1,382.04	4.8991	23.5043	1.6711	10.0655	59.881
28	3.7505	130.17	1,385.41	4.8843	23.5909	1.6781	10.1020	59.626
29	3.7425	129.89	1,381.20	4.8769	23.7082	1.6826	10.1430	59.203
30	3.7363	129.67	1,371.58	4.8475	23.7439	1.6858	10.1650	59.066
Oct. 1	3.7353	128.97	1,371.32	4.8482	23.7955	1.6751	10.0204	58.752
4	3.7456	129.21	1,372.50	4.8569	23.8512	1.6687	9.9770	59.060
5	3.7477	128.99	1,376.12	4.8482	23.7904	1.6650	9.9155	58.893
6	3.7452	128.52	1,379.91	4.8297	23.9641	1.6728	9.9230	58.804
7	3.7353	128.78	1,375.87	4.8370	23.7032	1.6676	9.9388	58.308
8	3.7374	129.32	1,381.80	4.8335	23.8295	1.6686	9.8855	58.430
11	3.7358	130.70	1,383.43	4.8264	24.0051	1.6680	9.8880	58.924
12	3.7275	131.06	1,383.40	4.8132	24.0232	1.6591	9.8608	58.711
13	3.7408	131.30	1,378.13	4.8098	23.9497	1.6647	9.8555	58.564
14	3.7372	131.65	1,375.51	4.8195	23.8458	1.6506	9.7928	58.778

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
2020 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
2021 Jan.	91.8979	1.6121	18.3058	1.0798	36.287	8.8772	0.88383	1.2136
Feb.	90.6697	1.6106	18.1025	1.0986	36.799	9.0168	0.87053	1.2121
Mar.	88.3175	1.5768	17.3484	1.1070	36.658	9.7250	0.85209	1.1725
Apr.	90.7108	1.6045	17.3875	1.0998	37.648	9.9777	0.86863	1.2082
May	89.5350	1.6130	16.7974	1.0982	38.067	10.3728	0.86013	1.2201
June	86.7725	1.5976	17.0114	1.0980	38.118	10.3210	0.85805	1.1884
July	86.7116	1.6090	17.3283	1.0771	39.098	9.9985	0.85140	1.1891
Aug.	86.7600	1.5897	17.2282	1.0799	38.129	9.8310	0.85875	1.1834
Sep.	84.3391	1.5760	17.5629	1.0830	39.235	10.2981	0.86053	1.1579
2021 Sep. 20	86.0700	1.5839	17.3301	1.0883	39.062	10.1512	0.85705	1.1711
21	85.9820	1.5866	17.4427	1.0845	39.205	10.1586	0.85855	1.1738
22	85.3877	1.5855	17.3368	1.0820	39.222	10.1523	0.86000	1.1729
23	85.2372	1.5798	17.1260	1.0831	38.964	10.2460	0.85495	1.1715
24	85.5104	1.5865	17.5453	1.0830	39.200	10.3590	0.85703	1.1719
27	84.9955	1.5840	17.6179	1.0850	39.276	10.3471	0.85420	1.1698
28	84.7497	1.5846	17.6299	1.0840	39.460	10.3685	0.85950	1.1678
29	84.6823	1.5822	17.5210	1.0829	39.490	10.3168	0.86443	1.1654
30	84.3391	1.5760	17.5629	1.0830	39.235	10.2981	0.86053	1.1579
Oct. 1	84.7187	1.5733	17.3449	1.0791	39.022	10.2583	0.85653	1.1600
4	84.7198	1.5777	17.3166	1.0768	39.242	10.2816	0.85530	1.1636
5	84.1541	1.5743	17.3792	1.0752	39.203	10.2707	0.85173	1.1602
6	83.6242	1.5712	17.4561	1.0715	39.116	10.2802	0.84970	1.1542
7	83.1780	1.5697	17.2074	1.0712	39.051	10.2594	0.85023	1.1562
8	83.2390	1.5681	17.2259	1.0734	39.161	10.3110	0.84890	1.1569
11	82.9630	1.5665	17.3108	1.0722	39.195	10.3726	0.84878	1.1574
12	83.0176	1.5664	17.2650	1.0729	38.501	10.4044	0.84755	1.1555
13	83.0248	1.5646	17.1940	1.0722	38.478	10.4833	0.84898	1.1562
14	83.1225	1.5642	17.1620	1.0686	38.524	10.6104	0.84618	1.1602

* 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									
2019 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									
2021 Jan.	1.9558	7.5653	26.141	7.4387	359.19	4.5333	4.8732	10.0952									
Feb.	1.9558	7.5729	25.876	7.4367	358.15	4.4968	4.8750	10.0887									
Mar.	1.9558	7.5783	26.178	7.4363	365.61	4.5991	4.8884	10.1692									
Apr.	1.9558	7.5679	25.924	7.4367	360.58	4.5615	4.9231	10.1620									
May	1.9558	7.5226	25.558	7.4362	353.65	4.5281	4.9250	10.1471									
June	1.9558	7.4980	25.454	7.4364	349.94	4.5005	4.9238	10.1172									
July	1.9558	7.5027	25.636	7.4373	357.26	4.5616	4.9255	10.1979									
Aug.	1.9558	7.4960	25.470	7.4369	351.84	4.5687	4.9232	10.2157									
Sep.	1.9558	7.4924	25.392	7.4361	352.51	4.5681	4.9471	10.1710									

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	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									
2019 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	8.1552	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									
2021 Jan.	1.5764	6.5102	1.5494	7.8730	9.4362	156.48	88.9936	17,111.98									
Feb.	1.5605	6.5434	1.5354	7.8136	9.3794	155.26	88.0756	17,002.56									
Mar.	1.5444	6.7247	1.4970	7.7465	9.2400	151.51	86.6550	17,135.25									
Apr.	1.5544	6.6565	1.4975	7.8051	9.3064	150.75	89.4210	17,414.37									
May	1.5653	6.4462	1.4732	7.8109	9.4317	149.66	88.9171	17,393.13									
June	1.5761	6.0693	1.4713	7.7391	9.3507	146.84	88.6298	17,295.86									
July	1.5926	6.0930	1.4806	7.6536	9.1862	147.10	88.1134	17,148.30									
Aug.	1.6118	6.1884	1.4827	7.6237	9.1633	148.45	87.2573	16,926.94									
Sep.	1.6087	6.1966	1.4910	7.6007	9.1583	150.96	86.6330	16,781.39									

* 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
2019 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
2021 Jan.	3.9249	126.31	1,338.64	4.9154	24.2483	1.6924	10.3661	58.498
Feb.	3.9581	127.49	1,345.06	4.8944	24.5557	1.6702	10.2791	58.401
Mar.	3.9402	129.38	1,345.58	4.8907	24.7451	1.6686	10.1469	57.783
Apr.	3.9205	130.49	1,337.96	4.9358	24.0005	1.6788	10.0376	58.067
May	3.9623	132.57	1,364.47	5.0142	24.2682	1.6817	10.0931	58.222
June	3.9179	132.63	1,352.47	4.9808	24.1066	1.6944	10.1444	58.040
July	3.8668	130.35	1,354.46	4.9680	23.6101	1.6933	10.3767	59.264
Aug.	3.7942	129.28	1,366.74	4.9660	23.6237	1.6872	10.4195	59.088
Sep.	3.7744	129.66	1,380.51	4.9054	23.5675	1.6676	10.1861	59.115

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
2019 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
2021 Jan.	90.5697	1.6140	18.4295	1.0794	36.528	9.0059	0.89267	1.2171
Feb.	89.9554	1.6060	17.8629	1.0858	36.307	8.5785	0.87268	1.2098
Mar.	88.6326	1.5975	17.8284	1.1065	36.632	9.1301	0.85873	1.1899
Apr.	91.1446	1.5975	17.2486	1.1031	37.551	9.7936	0.86527	1.1979
May	89.8737	1.6153	17.0766	1.0968	37.992	10.1852	0.86258	1.2146
June	87.4561	1.6062	16.7540	1.0940	37.873	10.3823	0.85872	1.2047
July	87.3970	1.6019	17.1648	1.0856	38.586	10.1587	0.85613	1.1822
Aug.	86.6067	1.5947	17.3827	1.0762	38.956	9.9788	0.85287	1.1772
Sep.	85.7740	1.5864	17.1373	1.0857	38.919	10.0691	0.85683	1.1770

* 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 ...

EU member countries									
	Bulgaria	Croatia	Cyprus	Czechia	Denmark	Estonia	Hungary	Latvia	Lithuania
Period	Bulgarian lev BGN	Kuna HRK	Cyprus pound CYP ¹	Czech koruna CZK	Danish krone DKK	Estonian kroon EEK ¹	Hungarian forint HUF	Latvian lats LVL ¹	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	–	–

EU member countries (cont'd)					Other European and non-European countries				
	Malta	Poland	Romania	Slovakia	Sweden	Australia	Brazil	Canada	China
	Maltese lira MTL ¹	Polish zloty PLN	Romanian leu RON	Slovak koruna SKK ¹	Swedish krona SEK	Australian dollar AUD	Brazilian real BRL ²	Canadian dollar CAD	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)

Period	Hong Kong Hong Kong dollar HKD	Iceland Icelandic krona ISK ¹	India Indian rupee INR ²	Indonesia Indonesian rupiah IDR	Israel New shekel ILS ³	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR	Mexico Mexican peso MXN ⁴	New Zealand New Zealand dollar NZD
End of year										
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)

Period	Norway Norwegian krona NOK	Philippines Philippine peso PHP	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira ⁵ TRY	United Kingdom Pound sterling GBP	United States 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

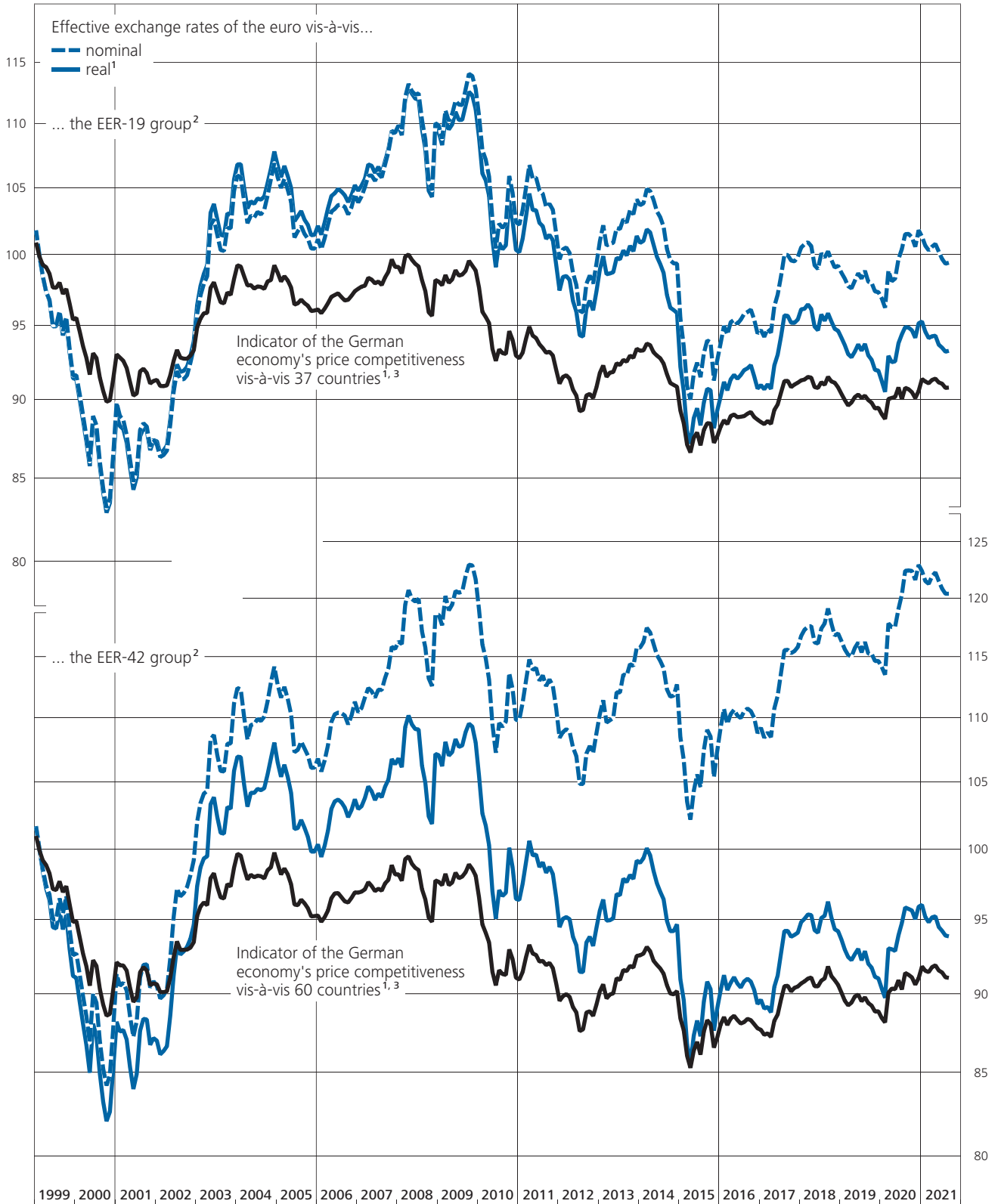


* See explanatory notes, p. 48. ¹ Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

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



* 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

		Effective exchange rates of the euro vis-à-vis the currencies of the group					
		EER-19 1			EER-42 1		
Yearly, quarterly or monthly average	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	96.2	96.2	96.1	96.1	96.6	96.0
2000	87.1	86.8	86.1	85.5	88.1	86.1	
2001	87.6	87.1	86.8	84.5	90.2	86.9	
2002	89.8	90.2	89.9	88.0	94.5	90.5	
2003	100.4	101.3	101.0	99.1	106.4	101.5	
2004	104.2	105.2	104.0	102.3	110.9	105.3	
2005	102.8	103.8	102.0	100.6	109.0	102.9	
2006	102.8	103.8	101.5	99.5	109.1	102.2	
2007	106.3	106.8	103.6	101.1	112.7	104.4	
2008	110.1	109.7	105.8	104.9	117.4	106.9	
2009	111.6	110.5	107.0	108.6	120.5	107.9	
2010	104.4	102.8	98.8	101.0	111.9	99.0	
2011	104.2	101.9	97.0	99.3	112.7	98.5	
2012	98.5	96.7	91.4	93.6	107.5	93.7	
2013	102.0	99.7	94.5	96.6	112.2	96.7	
2014	102.3	99.1	94.3	96.7	114.5	97.1	
2015	92.5	89.4	85.8	86.2	106.1	88.6	
2016	95.2	91.4	88.1	p 87.4	110.1	90.6	
2017	97.4	93.3	89.2	p 88.1	112.4	91.8	
2018	99.9	95.5	90.6	p 89.6	117.3	94.9	
2019	98.1	93.1	88.9	p 87.1	115.4	92.3	
2020	99.6	93.4	p 89.3	p 87.5	119.4	93.8	
2019 Oct.	98.0	92.6			115.2	91.7	
Nov.	97.4	92.0	88.6	p 86.4	114.6	91.1	
Dec.	97.3	91.9			114.6	91.0	
2020 Jan.	96.9	91.2			114.1	90.4	
Feb.	96.2	90.5	88.0	p 86.8	113.5	89.7	
Mar.	98.8	92.9			117.8	93.0	
Apr.	98.1	92.5			117.5	93.0	
May	98.3	92.5	88.8	p 87.3	117.5	92.8	
June	99.7	93.8			119.1	93.9	
July	100.4	94.4			120.3	94.7	
Aug.	101.5	94.9	90.1	p 88.2	122.4	95.8	
Sep.	101.5	94.8			122.4	95.7	
Oct.	101.3	94.6			122.4	95.6	
Nov.	100.6	94.1	p 90.3	p 87.9	121.6	95.0	
Dec.	101.8	95.1			122.9	95.9	
2021 Jan.	101.3	95.3			122.4	96.0	
Feb.	100.6	94.5	p 89.9	p 87.4	121.5	95.2	
Mar.	100.3	94.1			121.2	p 94.8	
Apr.	100.6	94.2			121.9	p 95.1	
May	100.8	94.3	p 88.8	p 86.1	122.3	p 95.2	
June	100.2	93.7			121.5	p 94.5	
July	99.7	p 93.5			120.8	p 94.2	
Aug.	99.3	p 93.2	...	...	120.4	p 93.9
Sep.	99.4	p 93.2			120.4	p 93.8	
2021 Sep. 14	99.5	-	-	-	120.4	-	
15	99.4	-	-	-	120.4	-	
16	99.2	-	-	-	120.1	-	
17	99.4	-	-	-	120.4	-	
20	99.3	-	-	-	120.3	-	
21	99.5	-	-	-	120.5	-	
22	99.4	-	-	-	120.4	-	
23	99.2	-	-	-	120.1	-	
24	99.3	-	-	-	120.4	-	
27	99.2	-	-	-	120.2	-	
28	99.3	-	-	-	120.3	-	
29	99.3	-	-	-	120.3	-	
30	98.9	-	-	-	119.9	-	
Oct. 1	98.7	-	-	-	119.6	-	
4	98.7	-	-	-	119.7	-	
5	98.6	-	-	-	119.5	-	
6	98.3	-	-	-	119.3	-	
7	98.3	-	-	-	119.2	-	
8	98.5	-	-	-	119.4	-	
11	98.5	-	-	-	119.5	-	
12	98.4	-	-	-	119.3	-	
13	98.4	-	-	-	119.4	-	
14	98.4	-	-	-	119.4	-	

* 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:				
		Euro area countries	Non-euro area countries			Euro area countries	Non-euro area countries			
1999	97.9	99.6	95.9	97.7	98.3	100.1	96.1	98.1	97.8	
2000	91.9	97.4	85.5	91.1	93.1	99.0	86.1	92.3	91.2	
2001	91.7	96.5	86.1	90.5	93.0	98.1	86.9	91.7	91.1	
2002	92.4	95.6	88.5	91.1	93.5	96.9	89.4	92.2	91.9	
2003	95.9	94.7	97.7	95.3	97.0	95.7	99.0	96.7	96.9	
2004	96.2	93.5	100.1	95.6	98.5	95.4	102.8	98.2	98.5	
2005	94.8	92.0	98.9	93.3	98.4	95.2	103.1	97.1	96.8	
2006	93.6	90.3	98.3	91.6	98.6	94.8	104.0	96.7	96.1	
2007	94.5	89.6	102.1	92.0	100.9	95.1	109.6	98.3	97.4	
2008	94.9	88.3	105.2	91.3	102.4	94.5	114.6	98.4	97.6	
2009	95.2	89.1	104.7	92.0	101.9	94.4	113.5	98.6	98.0	
2010	92.6	88.7	98.3	88.2	98.8	94.0	105.7	94.3	92.6	
2011	92.1	88.5	97.6	87.4	98.2	93.7	104.7	93.5	92.0	
2012	90.1	88.4	92.5	84.8	95.9	93.2	99.5	90.5	89.0	
2013	92.4	88.8	97.5	86.7	98.1	93.3	105.2	92.3	91.0	
2014	92.9	89.6	97.7	87.4	98.2	93.6	104.7	92.5	91.6	
2015	89.8	90.3	88.9	83.6	94.4	94.1	94.4	87.8	87.0	
2016	90.7	90.7	90.4	85.0	95.0	94.1	96.1	88.8	88.2	
2017	91.9	90.9	93.3	85.7	96.3	94.3	99.1	89.9	89.0	
2018	93.1	91.0	96.2	86.7	97.7	94.4	102.4	91.2	90.9	
2019	92.1	91.1	93.3	85.7	96.4	94.3	99.2	89.9	89.5	
2020	92.1	91.3	93.1	86.2	96.4	94.2	99.5	90.1	90.3	
2018 Apr.					98.3	94.4	104.1	91.4	91.1	
May	93.2	91.0	96.4	86.4	97.7	94.4	102.6	90.8	90.5	
June					97.5	94.5	101.9	90.8	90.5	
July					97.4	94.1	102.1	91.1	90.9	
Aug.	93.0	90.9	95.9	86.7	97.3	94.2	101.5	91.0	91.0	
Sep.					97.7	94.6	102.2	91.5	91.8	
Oct.					97.3	94.5	101.4	91.2	91.2	
Nov.	92.8	91.2	95.0	86.5	97.3	94.7	101.0	91.1	90.9	
Dec.					97.2	94.5	100.9	90.8	90.6	
2019 Jan.					96.8	94.2	100.4	90.4	90.1	
Feb.	92.1	90.8	94.0	85.7	96.5	94.0	99.9	90.0	89.5	
Mar.					96.2	93.9	99.2	89.6	89.2	
Apr.					96.5	94.3	99.4	89.8	89.4	
May	92.2	91.1	93.7	85.7	96.7	94.5	99.6	90.2	89.8	
June					96.8	94.4	100.2	90.3	89.9	
July					96.7	94.5	99.7	90.1	89.5	
Aug.	92.1	91.2	93.3	85.9	96.5	94.3	99.5	90.3	89.8	
Sep.					96.2	94.4	98.5	90.0	89.4	
Oct.					96.2	94.4	98.5	89.8	89.2	
Nov.	91.8	91.3	92.4	85.6	95.9	94.4	97.9	89.4	88.8	
Dec.					95.9	94.4	97.9	89.5	88.9	
2020 Jan.					95.9	94.5	97.6	89.0	88.4	
Feb.	91.7	91.5	91.8	85.5	95.5	94.5	96.6	88.7	88.1	
Mar.					96.4	94.6	98.8	90.0	90.1	
Apr.					96.2	94.8	98.0	90.1	90.3	
May	91.4	91.3	91.4	85.9	96.3	94.8	98.2	90.2	90.3	
June					97.0	94.8	100.1	90.8	90.9	
July					96.0	93.4	99.6	90.0	90.3	
Aug.	92.5	91.3	94.2	86.8	97.0	94.1	101.0	90.8	91.4	
Sep.					96.9	94.0	101.0	90.7	91.2	
Oct.					96.6	93.8	100.7	90.5	91.1	
Nov.	92.6	91.0	94.9	86.5	96.5	93.7	100.4	90.1	90.6	
Dec.					97.0	93.6	101.8	90.6	91.0	
2021 Jan.					97.9	94.6	102.7	91.4	91.8	
Feb.	93.3	91.8	95.4	87.0	97.9	94.8	102.2	91.2	91.5	
Mar.					97.7	94.8	101.6	91.1	p 91.4	
Apr.					98.0	95.0	102.1	91.3	p 91.8	
May	p 93.0	p 91.4	95.4	p 86.5	98.1	95.1	102.5	91.4	p 91.9	
June					97.9	95.1	101.9	91.1	p 91.5	
July					97.7	95.3	101.1	p 91.0	p 91.4	
Aug.	...	...	...	...	p 97.4	p 95.1	100.6	p 90.8	p 91.1
Sep.					p 97.5	p 95.1	100.8	p 90.8	p 91.0	

* 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		
					July 2021	August 2021	September 2021
Afghanistan							
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 76.6094	AFN 79.7782	AFN 88.7833	AFN 89.9458
		S	USD 1 =	AFN 76.7094	AFN 79.8782	AFN 88.8833	AFN 90.0458
	AFN	B	EUR 1 =	AFN 86.7677	AFN 94.1488	AFN 101.8867	AFN 102.4200
		S	EUR 1 =	AFN 87.0277	AFN 94.4088	AFN 102.1467	AFN 102.6800
Albania							
Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 108.65	ALL 102.32	ALL 103.14	ALL 104.79
		M	EUR 1 =	ALL 123.93	ALL 121.80	ALL 121.95	ALL 121.54
Algeria							
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 126.7989	DZD 134.5647	DZD 135.4581	DZD 137.2551
		S	USD 1 =	DZD 126.8139	DZD 134.5797	DZD 135.4731	DZD 137.2701
	DZD	B	EUR 1 =	DZD 144.7994	DZD 159.9301	DZD 160.0437	DZD 159.0238
		S	EUR 1 =	DZD 144.8522	DZD 159.9883	DZD 160.0750	DZD 159.0960
Angola ¹							
Luanda 330	Kwanza = 100 cêntimos AOA	M	USD 1 =	AOA 583.191	AOA 638.622	AOA 634.527	AOA 599.168
		M	EUR 1 =	AOA 669.781	AOA 759.865	AOA 751.312	AOA 693.208
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 3.1965	XCD 3.1812	XCD 3.1127
		V, S	EUR 1 =	XCD 3.1032	XCD 3.2307	XCD 3.2152	XCD 3.1459
Argentina ¹							
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 70.3985	ARS 96.4900	ARS 97.5400	ARS 98.5400
		S	USD 1 =	ARS 70.5985	ARS 96.6900	ARS 97.7400	ARS 98.7400
	ARS	B	EUR 1 =	ARS 80.5658	ARS 114.3599	ARS 115.0777	ARS 113.8827
		S	EUR 1 =	ARS 80.9705	ARS 114.8387	ARS 115.5580	ARS 114.3607
Armenia							
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 490.13	AMD 486.24	AMD 493.12	AMD 484.20
		M	EUR 1 =	AMD 560.98	AMD 578.33	AMD 583.11	AMD 561.43
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 211.92	AWG 210.87	AWG 206.16
		S	EUR 100 =	AWG 206.33	AWG 214.05	AWG 212.99	AWG 208.23

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		
					July 2021	August 2021	September 2021
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.6906	USD 0.7381	USD 0.7335	USD 0.7206
		M	AUD 1 =	EUR 0.6047	EUR 0.6213	EUR 0.6201	EUR 0.6215
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
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 2.0193	AZN 2.0091	AZN 1.9724
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 1.18315	BSD 1.17748	BSD 1.15211
		V, S	EUR 1 =	BSD 1.15648	BSD 1.20396	BSD 1.19819	BSD 1.17237
Bahrain							
Manama 640	Bahraini dinar = 1,000 fils BHD	2 M	USD 1 =	BHD 0.37605	BHD 0.376081	BHD 0.376081	BHD 0.376081
		M	EUR 1 =	BHD 0.4317865	BHD 0.4454870	BHD 0.4436630	BHD 0.4363110
Bangladesh 1							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 84.8655	BDT 84.8040	BDT 85.2000	BDT 85.5000
		S	USD 1 =	BDT 84.8700	BDT 84.8090	BDT 85.2000	BDT 85.5000
		B	EUR 1 =	BDT 97.0783	BDT 100.4249	BDT 100.4934	BDT 99.1373
		S	EUR 1 =	BDT 97.1169	BDT 100.4647	BDT 100.5275	BDT 99.1715
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 2.36768	BBD 2.34936	BBD 2.31054
		S	EUR 1 =	BBD 2.32588	BBD 2.41207	BBD 2.39341	BBD 2.35385
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.4518	BYN 2.4997	BYN 2.5069	BYN 2.5083
		M	EUR 1 =	BYN 2.8080	BYN 2.9741	BYN 2.9587	BYN 2.9242

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		
					July 2021	August 2021	September 2021
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Belize							
Belmopan 421	Belize dollar = 100 cents BZD	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 2.3550	BZD 2.3441	BZD 2.2971	
		S	EUR 1 =	BZD 2.3127	BZD 2.3966	BZD 2.3855	BZD 2.3377
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc XOF	B	USD 1 =	XOF .	XOF 548.00	XOF 552.50	XOF 557.50
		S	USD 1 =	XOF .	XOF 555.00	XOF 559.50	XOF 564.50
		M	USD 1 =	XOF 574.293	XOF 551.50	XOF 556.00	XOF 561.00
		³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Bermuda							
Hamilton 413	Bermudian dollar = 100 cents BMD	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 1.1843	BMD 1.1787	BMD 1.1533	
	V, S	EUR 1 =	BMD 1.1471	BMD 1.1942	BMD 1.1885	BMD 1.1629	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum BTN	B	USD 1 =	BTN 73.00	BTN 73.20	BTN 72.20	BTN 73.05
		S	USD 1 =	BTN 75.28	BTN 75.45	BTN 74.40	BTN 75.30
	B	EUR 1 =	BTN 83.48	BTN 86.80	BTN 85.10	BTN 85.10	
	S	EUR 1 =	BTN 85.80	BTN 89.20	BTN 87.45	BTN 87.45	
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 8.1572	BOB 8.1181	BOB 7.9432
		V, S	EUR 1 =	BOB 7.9529	BOB 8.2761	BOB 8.2365	BOB 8.0590
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga BAM	B	USD 1 =	BAM 1.705963	BAM 1.640687	BAM 1.653200	BAM 1.674052
		S	USD 1 =	BAM 1.714514	BAM 1.648911	BAM 1.661486	BAM 1.682444
	³	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583	
Botswana							
Gaborone 391	Pula = 100 thebe BWP	B	BWP 1 =	USD 0.0874	USD 0.0907	USD 0.0905	USD 0.0884
		S	BWP 1 =	USD 0.0872	USD 0.0905	USD 0.0902	USD 0.0882
	B	BWP 1 =	EUR 0.0765	EUR 0.0764	EUR 0.0764	EUR 0.0759	
	S	BWP 1 =	EUR 0.0763	EUR 0.0762	EUR 0.0762	EUR 0.0757	

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		
					July 2021	August 2021	September 2021
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 5.1568	BRL 5.1210	BRL 5.1427	BRL 5.4388
		S	USD 1 =	BRL 5.1578	BRL 5.1216	BRL 5.1433	BRL 5.4394
	BRL	B	EUR 1 =	BRL 6.0228	BRL 6.0756	BRL 6.0674	BRL 6.2954
		S	EUR 1 =	BRL 6.0252	BRL 6.0768	BRL 6.0696	BRL 6.2983
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3686	BND 1.3449	BND 1.3369	BND 1.3533
		S	USD 1 =	BND 1.3875	BND 1.3619	BND 1.3536	BND 1.3699
	BND	B	EUR 1 =	BND 1.5522	BND 1.5832	BND 1.5618	BND 1.5544
		S	EUR 1 =	BND 1.6078	BND 1.6369	BND 1.6150	BND 1.6076
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.71539	BGN 1.64480	BGN 1.65272	BGN 1.68912
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
Burkina Faso ¹							
Ouagadougou 236	CFA franc	B	USD 1 =	XOF .	XOF 548.00	XOF 552.50	XOF 557.50
		S	USD 1 =	XOF .	XOF 555.00	XOF 559.50	XOF 564.50
		M	USD 1 =	XOF 574.293	XOF 551.50	XOF 556.00	XOF 561.00
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Burundi							
Gitega 328	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,899.6838	BIF 1,961.0514	BIF 1,966.0905	BIF 1,971.2484
		S	USD 1 =	BIF 1,935.4929	BIF 2,000.6686	BIF 2,005.8095	BIF 2,011.0716
	BIF	B	EUR 1 =	BIF 2,178.6551	BIF 2,329.8271	BIF 2,325.8654	BIF 2,287.5352
		S	EUR 1 =	BIF 2,219.8302	BIF 2,376.8943	BIF 2,372.8526	BIF 2,333.7480
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 96.30074	CVE 92.769	CVE 93.336	CVE 94.515
		S	USD 1 =	CVE 96.50274	CVE 92.971	CVE 93.538	CVE 94.717
	CVE	2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265
Cambodia							
Phnom Penh 696	Riel = 100 sen	M	USD 1 =	KHR 4,080	KHR 4,072	KHR 4,080	KHR 4,079
		B	EUR 1 =	KHR 4,684	KHR 4,842	KHR 4,813	KHR 4,732
	KHR	S	EUR 1 =	KHR 4,731	KHR 4,890	KHR 4,861	KHR 4,780
Cameroon ¹							
Yaoundé 302	CFA franc	B	USD 1 =	XAF .	XAF 549.1848	XAF 551.8119	XAF 560.9149
		S	USD 1 =	XAF .	XAF 553.0835	XAF 556.6836	XAF 562.2713
		M	USD 1 =	XAF 574.293	XAF 551.1342	XAF 554.2478	XAF 561.5931
	XAF	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 1.2462	CAD 1.2617	CAD 1.2741
		M	EUR 1 =	CAD 1.5374	CAD 1.4788	CAD 1.4906	CAD 1.4801

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 Exchange rate as of 2 August 2021. ⁴ Exchange rate as of 1 September 2021.

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		
					July 2021	August 2021	September 2021
Cayman Islands							
George Town 463	Cayman Islands dollar = 100 cents KYD	2 V	KYD 1 =	USD 1.20	USD 1.20	USD 1.20	USD 1.20
			EUR 1 =	KYD 0.9518	KYD 0.9909	KYD 0.9862	KYD 0.9649
Central African Republic ¹							
Bangui 306	CFA franc XAF	B S M	USD 1 =	XAF .	XAF 549.1848 ³	XAF 551.8119 ⁴	XAF 560.9149
			USD 1 =	XAF .	XAF 553.0835 ³	XAF 556.6836 ⁴	XAF 562.2713
			USD 1 =	XAF 574.293 ^v	XAF 551.1342 ³	XAF 554.2478 ⁴	XAF 561.5931
		5	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chad ¹							
N'Djaména 244	CFA franc XAF	B S M	USD 1 =	XAF .	XAF 549.1848 ³	XAF 551.8119 ⁴	XAF 560.9149
			USD 1 =	XAF .	XAF 553.0835 ³	XAF 556.6836 ⁴	XAF 562.2713
			USD 1 =	XAF 574.293 ^v	XAF 551.1342 ³	XAF 554.2478 ⁴	XAF 561.5931
		5	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chile							
Santiago 512	Chilean peso = 100 centavos CLP	M M	USD 1 =	CLP 792.22	CLP 758.53	CLP 779.97	CLP 803.59
			EUR 1 =	CLP 902.68	CLP 901.83	CLP 920.21	CLP 932.24
China							
Beijing 720	Chinese renminbi ⁶ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M M M	USD 1 =	CNY 6.8991	CNY 6.4602	CNY 6.4679	CNY 6.4854
			EUR 1 =	CNY 7.9065	CNY 7.6791	CNY 7.6303	CNY 7.5247
			HKD 1 =	CNY 0.88889	CNY 0.83120	CNY 0.83070	CNY 0.83306
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B S	USD 1 =	TWD 29.483	TWD 27.910	TWD 27.700	TWD 27.800
			USD 1 =	TWD 29.583	TWD 28.010	TWD 27.800	TWD 27.900
		B S	EUR 1 =	TWD 33.54	TWD 33.06	TWD 32.62	TWD 32.12
			EUR 1 =	TWD 33.94	TWD 33.46	TWD 33.02	TWD 32.52
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M V, M	USD 1 =	COP 3,692.895	COP 3,836.95	COP 3,806.87	COP 3,834.68
			EUR 1 =	COP 4,216.588	COP 4,562.517	COP 4,505.050	COP 4,440.176
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V 5	USD 1 =	KMF 430.71944	KMF 413.73118	KMF 415.72397	KMF 424.87931
			EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
Congo ¹							
Brazzaville 318	CFA franc XAF	B S M	USD 1 =	XAF .	XAF 549.1848 ³	XAF 551.8119 ⁴	XAF 560.9149
			USD 1 =	XAF .	XAF 553.0835 ³	XAF 556.6836 ⁴	XAF 562.2713
			USD 1 =	XAF 574.293 ^v	XAF 551.1342 ³	XAF 554.2478 ⁴	XAF 561.5931
		5	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 Exchange rate as of 2 August 2021. ⁴ Exchange rate

as of 1 September 2021. ⁵ Value against the euro. ⁶ 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		
					July 2021	August 2021	September 2021
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,823.8944	.	.	.
		S	USD 1 =	CDF 1,898.3391	.	.	.
	CDF	B	EUR 1 =	CDF 2,088.8087	.	.	.
		S	EUR 1 =	CDF 2,174.0661	.	.	.
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents	B	NZD 1 =	EUR 0.5813	EUR 0.6010	EUR 0.6066	EUR 0.6045
		S	NZD 1 =	EUR 0.5584	EUR 0.5784	EUR 0.5838	EUR 0.5818
	NZD						
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 584.40	CRC 616.89	CRC 619.83	CRC 623.24
		S	USD 1 =	CRC 591.41	CRC 622.98	CRC 626.46	CRC 629.71
	CRC	V, B	EUR 1 =	CRC 670.9498	CRC 733.5439	CRC 733.5068	CRC 721.6496
		V, S	EUR 1 =	CRC 679.0006	CRC 740.7855	CRC 741.3528	CRC 729.1412
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan 272	CFA franc	B	USD 1 =	XOF .	XOF 548.00	XOF 552.50	XOF 557.50
		S	USD 1 =	XOF .	XOF 555.00	XOF 559.50	XOF 564.50
		M	USD 1 =	XOF 574.293 ^v	XOF 551.50	XOF 556.00	XOF 561.00
	XOF	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 6.287368	HRK 6.323093	HRK 6.407297
		S	USD 1 =	HRK 6.620755	HRK 6.325206	HRK 6.361145	HRK 6.445857
	HRK	B	EUR 1 =	HRK 7.511943	HRK 7.478824	HRK 7.460617	HRK 7.473471
		S	EUR 1 =	HRK 7.557151	HRK 7.523832	HRK 7.505515	HRK 7.518447
Cuba ¹							
Havana 448	Convertible peso/ Cuban peso = 100 centavos	⁴ B	USD 1 =	CUC 0.99001	¹ CUP 23.76	CUP 23.76	CUP 23.76
		⁴ S	USD 1 =	CUC 1.01000	¹ CUP 24.24	CUP 24.24	CUP 24.24
	CUC/CUP	B	EUR 1 =	CUC 1.13376	¹ CUP 28.22926	CUP 28.03205	CUP 27.59486
		S	EUR 1 =	CUC 1.15668	¹ CUP 28.79954	CUP 28.59835	CUP 28.15234
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 211.93	ANG 210.88	ANG 206.16
		S	EUR 100 =	ANG 208.40	ANG 216.20	ANG 215.13	ANG 210.31
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Czechia							
Prague 061	Czech koruna = 100 heller	M	USD 1 =	CZK 23.196	CZK 21.445	CZK 21.569	CZK 22.020
		M	EUR 1 =	CZK 26.496	CZK 25.500	CZK 25.525	CZK 25.495
	CZK						

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		
					July 2021	August 2021	September 2021
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 653.14	DKK 625.51	DKK 628.36	DKK 642.20
		M	EUR 100 =	DKK 745.33	DKK 743.79	DKK 743.60	DKK 743.60
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 208.06	DJF 207.41	DJF 203.65
		S	EUR 1 =	DJF 209.31	DJF 216.18	DJF 215.50	DJF 211.60
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 3.1965	XCD 3.1812	XCD 3.1127
		V, S	EUR 1 =	XCD 3.1032	XCD 3.2307	XCD 3.2152	XCD 3.1459
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 56.2954	DOP 56.4124	DOP 56.3607	DOP 55.8743
		S	USD 1 =	DOP 57.0521	DOP 57.5026	DOP 57.4929	DOP 57.0135
		B	EUR 1 =	DOP 63.7358	DOP 66.0855	DOP 65.6993	DOP 64.7699
		S	EUR 1 =	DOP 67.2930	DOP 69.6831	DOP 69.1885	DOP 68.2373
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 15.75	EGP 15.63	EGP 15.63	EGP 15.64
		S	USD 1 =	EGP 15.85	EGP 15.73	EGP 15.73	EGP 15.74
		B	EUR 1 =	EGP 17.9583	EGP 18.5247	EGP 18.4371	EGP 18.0939
		S	EUR 1 =	EGP 18.1786	EGP 18.7329	EGP 18.6353	EGP 18.2741
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 10.4046	SVC 10.3548	SVC 10.1316
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	B	USD 1 =	XAF .	XAF 549.1848	XAF 551.8119	XAF 560.9149
		S	USD 1 =	XAF .	XAF 553.0835	XAF 556.6836	XAF 562.2713
		M	USD 1 =	XAF 574.293	XAF 551.1342	XAF 554.2478	XAF 561.5931
		5	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 17.8125	ERN 17.6940	ERN 17.5740
		S	EUR 1 =	ERN 17.7857	ERN 18.4487	ERN 18.3302	ERN 18.2102
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579

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 Exchange rate as of 2 August 2021. ⁴ Exchange rate as of 1 September 2021. ⁵ 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			
					July 2021	August 2021	September 2021	
Eswatini ¹								
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 16.5100	SZL 14.6019	SZL 14.6217	SZL 15.1211	
		S	USD 1 =	SZL 16.5301	SZL 14.6086	SZL 14.6278	SZL 15.1298	
	SZL	B	EUR 1 =	SZL 18.91585	SZL 17.3591	SZL 17.2919	SZL 17.5382	
		S	EUR 1 =	SZL 18.93757	SZL 17.3677	SZL 17.3004	SZL 17.5480	
	Ethiopia							
	Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 35.2269	ETB 44.3046	ETB 45.4827	ETB 46.1007
S			USD 1 =	ETB 35.9314	ETB 45.1907	ETB 46.3924	ETB 47.0227	
ETB		B	EUR 1 =	ETB 40.4109	ETB 52.6029	ETB 53.6514	ETB 53.7304	
		S	EUR 1 =	ETB 41.2192	ETB 53.6550	ETB 54.7244	ETB 54.8050	
Falkland Islands (Islas Malvinas)								
Stanley 529		Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.77894	FKP 0.71600	FKP 0.72566	FKP 0.74318
	V		EUR 1 =	FKP 0.88970	FKP 0.85140	FKP 0.85875	FKP 0.86053	
Fiji								
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4716	USD 0.4883	USD 0.4859	USD 0.4834	
		S	FJD 1 =	USD 0.4546	USD 0.4713	USD 0.4689	USD 0.4664	
	FJD	B	FJD 1 =	EUR 0.4093	EUR 0.4092	EUR 0.4102	EUR 0.4120	
		S	FJD 1 =	EUR 0.3973	EUR 0.3972	EUR 0.3982	EUR 0.4000	
	Finland							
	Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
France								
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579	
Gabon ¹								
Libreville 314	CFA franc	B	USD 1 =	XAF .	XAF 549.1848 ³	XAF 551.8119 ⁴	XAF 560.9149	
		S	USD 1 =	XAF .	XAF 553.0835 ³	XAF 556.6836 ⁴	XAF 562.2713	
		M	USD 1 =	XAF 574.293	XAF 551.1342 ³	XAF 554.2478 ⁴	XAF 561.5931	
	XAF	5	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 51.13	GMD 51.21	GMD 51.62	
		M	EUR 1 =	GMD 58.26	GMD 60.75	GMD 60.15	GMD 61.17	
Georgia								
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 3.1192	GEL 3.1244	GEL 3.1170	GEL 3.1228	
		M	EUR 1 =	GEL 3.5713	GEL 3.7174	GEL 3.6768	GEL 3.6409	

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 Exchange rate as of 2 August 2021. ⁴ Exchange rate as of 1 September 2021. ⁵ 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		
					July 2021	August 2021	September 2021
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 5.6091	GHS 5.7982	GHS 5.8488	GHS 5.8634
		S	USD 1 =	GHS 5.6147	GHS 5.8040	GHS 5.8546	GHS 5.8692
	B	EUR 1 =	GHS 6.4398	GHS 6.8774	GHS 6.9034	GHS 6.7918	
	S	EUR 1 =	GHS 6.4455	GHS 6.8842	GHS 6.9102	GHS 6.7985	
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V	USD 1 =	GIP 0.77894	GIP 0.71600	GIP 0.72566	GIP 0.74318
		V	EUR 1 =	GIP 0.88970	GIP 0.85140	GIP 0.85875	GIP 0.86053
Greece							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Grenada							
St George's 473	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	V, B	EUR 1 =	XCD 3.0705	XCD 3.1965	XCD 3.1812	XCD 3.1127	
	V, S	EUR 1 =	XCD 3.1032	XCD 3.2307	XCD 3.2152	XCD 3.1459	
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.72985	GTQ 7.74751	GTQ 7.72957	GTQ 7.73365
		V, M	EUR 1 =	GTQ 8.86799	GTQ 9.21256	GTQ 9.14717	GTQ 8.95479
Guinea							
Conakry 260	Guinean franc GNF	M	USD 1 =	GNF 9,585.5025	GNF 9,701.5675	GNF 9,740.3509	GNF 9,704.7970
		M	EUR 1 =	GNF 10,965.5882	GNF 11,518.6700	GNF 11,494.5912	GNF 11,309.9694
Guinea-Bissau ¹							
Bissau 257	CFA franc	B	USD 1 =	XOF .	XOF 548.00	XOF 552.50	XOF 557.50
		S	USD 1 =	XOF .	XOF 555.00	XOF 559.50	XOF 564.50
		M	USD 1 =	XOF 574.293	XOF 551.50	XOF 556.00	XOF 561.00
	4	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
Guyana							
Georgetown 488	Guyana dollar = 100 cents	B	USD 1 =	GYD 207.98	GYD 207.98	GYD 207.98	GYD 207.98
		S	USD 1 =	GYD 210.45	GYD 210.45	GYD 210.45	GYD 210.45
	B	EUR 1 =	GYD 238.25	GYD 247.20	GYD 246.18	GYD 240.57	
	S	EUR 1 =	GYD 241.28	GYD 250.36	GYD 249.33	GYD 243.64	

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		
					July 2021	August 2021	September 2021
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 92.9298	HTG 93.6645	HTG 96.8530	HTG 97.8420
		V, M	EUR 1 =	HTG 106.2364	HTG 111.3765	HTG 114.6158	HTG 113.2913
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 24.5604	HNL 23.7213	HNL 23.8983	HNL 24.0813
		S	USD 1 =	HNL 24.7323	HNL 23.8873	HNL 24.0656	HNL 24.2499
	V, B	EUR 1 =	HNL 28.1617	HNL 28.2070	HNL 28.2812	HNL 27.8837	
	V, S	EUR 1 =	HNL 28.3588	HNL 28.4044	HNL 28.4792	HNL 28.0790	
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.72474	HKD 7.74210	HKD 7.75050	HKD 7.75700
		S	USD 1 =	HKD 7.78713	HKD 7.80390	HKD 7.81230	HKD 7.81880
	B	EUR 1 =	HKD 8.80685	HKD 9.17420	HKD 9.14170	HKD 8.96280	
	S	EUR 1 =	HKD 8.98652	HKD 9.31750	HKD 9.28500	HKD 9.10590	
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 307.93	HUF 300.34	HUF 294.77	HUF 310.66
		M	EUR 1 =	HUF 354.16	HUF 357.62	HUF 348.48	HUF 360.52
Iceland							
Reykjavik 024	Icelandic krona ISK	M	USD 1 =	ISK 135.317	ISK 123.31	ISK 126.41	ISK 130.32
		M	EUR 1 =	ISK 155.160	ISK 146.60	ISK 149.60	ISK 150.90
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 74.0770	INR 74.3871	INR 73.1536	INR 74.2551
		M	EUR 1 =	INR 84.9420	INR 88.3882	INR 86.5324	INR 86.1379
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,512.53	IDR 14,418.55	IDR 14,302.13	IDR 14,235.47
		S	USD 1 =	IDR 14,658.39	IDR 14,563.46	IDR 14,445.87	IDR 14,378.54
	B	EUR 1 =	IDR 16,693.66	IDR 17,120.59	IDR 16,876.51	IDR 16,605.68	
	S	EUR 1 =	IDR 16,866.48	IDR 17,298.48	IDR 17,050.46	IDR 16,778.32	
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 49,833	IRR 49,540	IRR 48,773
		3 M	USD 1 =	IRR 212,325	IRR 257,700	IRR 273,500	IRR 284,500
		3 M	EUR 1 =	IRR 245,538	IRR 305,800	IRR 323,150	IRR 329,850

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			
					July 2021	August 2021	September 2021	
Iraq ¹								
Baghdad 612	Iraqi dinar = 1,000 fils IQD	2	B	USD 1 =	IQD 1,204.33	IQD 1,450.00	IQD 1,450.00	IQD 1,450.00
			S	USD 1 =	IQD 1,212.50	IQD 1,460.00	IQD 1,460.00	IQD 1,460.00
		B	S	EUR 1 =	IQD 1,381.469	IQD 1,721.585	IQD 1,715.930	IQD 1,678.955
			S	EUR 1 =	IQD 1,390.839	IQD 1,733.458	IQD 1,727.764	IQD 1,690.534
		3	S	USD 1 =	IQD 1,242.683	IQD 1,476.657	IQD 1,470.131	IQD 1,472.047
V, S	EUR 1 =	IQD 1,428.05	IQD 1,755.89	IQD 1,739.75	IQD 1,704.48			
Ireland								
Dublin 007	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Israel								
Jerusalem 624	New shekel = 100 agorot ILS		M	USD 1 =	ILS 3.4367	ILS 3.2330	ILS 3.2070	ILS 3.2290
			M	EUR 1 =	ILS 3.9205	ILS 3.8490	ILS 3.7973	ILS 3.7360
Italy								
Rome 005	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Jamaica								
Kingston 464	Jamaican dollar = 100 cents JMD	B	S	USD 1 =	JMD 141.7940	JMD 155.0298	JMD 150.9468	JMD 147.5557
			S	USD 1 =	JMD 143.3604	JMD 155.5556	JMD 151.9335	JMD 147.4194
		B	S	EUR 1 =	JMD 158.3465	JMD 180.4964	JMD 169.6562	JMD 168.7138
			S	EUR 1 =	JMD 166.2504	JMD 187.9042	JMD 180.7251	JMD 174.3731
Japan								
Tokyo 732	Japanese yen = 100 sen JPY	B	S	USD 1 =	JPY 105.78	JPY 108.49	JPY 108.90	JPY 110.92
			S	USD 1 =	JPY 107.78	JPY 110.49	JPY 110.90	JPY 112.92
		B	S	EUR 1 =	JPY 120.47	JPY 128.61	JPY 128.19	JPY 128.36
			S	EUR 1 =	JPY 123.47	JPY 131.61	JPY 131.19	JPY 131.36
Jordan								
Amman 628	Jordanian dinar = 1,000 fils JOD	2	B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
			S	USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
		B	S	EUR 1 =	JOD 0.80850	JOD 0.83820	JOD 0.83494	JOD 0.81887
			S	EUR 1 =	JOD 0.81537	JOD 0.84348	JOD 0.84114	JOD 0.82431
Kazakhstan								
Nur-Sultan 079	Tenge = 100 tiyn KZT		M	USD 1 =	KZT 414.44	KZT 424.44	KZT 425.74	KZT 425.67
			M	EUR 1 =	KZT 474.42	KZT 504.91	KZT 500.50	KZT 496.42

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			
					July 2021	August 2021	September 2021	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 106.5230	KES 108.5088	KES 109.7718	KES 110.3859	
		S	USD 1 =	KES 106.7228	KES 108.7088	KES 109.9718	KES 110.5859	
	KES	B	EUR 1 =	KES 122.0032	KES 128.5576	KES 129.4647	KES 128.8782	
		S	EUR 1 =	KES 122.2632	KES 128.8259	KES 129.7241	KES 129.1388	
	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 1,140.80	KRW 1,146.20	KRW 1,174.40
	S		USD 1 =	KRW 1,191.63	KRW 1,163.20	KRW 1,168.80	KRW 1,197.60	
	KRW	B	EUR 1 =	KRW 1,340.13	KRW 1,353.87	KRW 1,356.27	KRW 1,359.02	
		S	EUR 1 =	KRW 1,367.19	KRW 1,381.21	KRW 1,383.65	KRW 1,386.46	
	Kuwait							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30423	KWD 0.29915	KWD 0.29945	KWD 0.30035
S			USD 1 =	KWD 0.30917	KWD 0.30275	KWD 0.30305	KWD 0.30395	
KWD		B	EUR 1 =	KWD 0.348830	KWD 0.355944	KWD 0.354055	KWD 0.348286	
		S	EUR 1 =	KWD 0.354423	KWD 0.360227	KWD 0.358311	KWD 0.352460	
Kyrgyzstan								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 77.4179	KGS 84.7585	KGS 84.7000	KGS 84.7907
	M		EUR 1 =	KGS 88.6740	KGS 100.8923	KGS 99.5310	KGS 98.9126	
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 9,070	LAK 9,539	LAK 9,576	LAK 9,984	
		S	USD 1 =	LAK 9,086	LAK 9,558	LAK 9,595	LAK 10,003	
	LAK	B	EUR 1 =	LAK 10,408	LAK 11,339	LAK 11,305	LAK 11,573	
		S	EUR 1 =	LAK 10,457	LAK 11,393	LAK 11,359	LAK 11,657	
	Latvia							
	Riga 054	Euro = 100 cent	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
	EUR							
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 1,794.68	LBP 1,783.07	LBP 1,749.00	
	LBP							
Lesotho ¹								
Maseru 395	Loti = 100 lisente	M	USD 1 =	LSL 16.4908	LSL 14.8301	LSL 14.5796	LSL 15.0902	
		M	EUR 1 =	LSL 18.8760	LSL 17.4972	LSL 17.2585	LSL 17.5740	
	LSL							

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		
					July 2021	August 2021	September 2021
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 189.9291	LRD 170.9314	LRD 171.0602	LRD 170.1887
		S	USD 1 =	LRD 191.2969	LRD 172.3269	LRD 172.5341	LRD 171.6807
	LRD	V, B	EUR 1 =	LRD 217.4353	LRD 203.2545	LRD 202.4326	LRD 197.0615
		V, S	EUR 1 =	LRD 219.0024	LRD 204.9139	LRD 204.1769	LRD 198.7891
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3815	LYD 4.4972	LYD 4.5036	LYD 4.5485
		S	USD 1 =	LYD 1.3884	LYD 4.5198	LYD 4.5262	LYD 4.5713
	LYD	B	EUR 1 =	LYD 1.5820	LYD 5.3324	LYD 5.3274	LYD 5.2762
		S	EUR 1 =	LYD 1.5900	LYD 5.3591	LYD 5.3541	LYD 5.3027
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 7.9833	MOP 8.0010	MOP 8.0082	MOP 8.0135
		S	USD 1 =	MOP 8.0064	MOP 8.0272	MOP 8.0344	MOP 8.0397
	MOP	B	EUR 1 =	MOP 9.1556	MOP 9.5001	MOP 9.4666	MOP 9.2903
		S	EUR 1 =	MOP 9.1946	MOP 9.5416	MOP 9.5081	MOP 9.3318
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,793.86	MGA 3,810.11	MGA 3,837.89	MGA 3,941.50
		M	EUR 1 =	MGA 4,330.03	MGA 4,508.58	MGA 4,532.50	MGA 4,587.22
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 738.3908	MWK 804.5473	MWK 804.5473	MWK 807.5060
		S	USD 1 =	MWK 753.1198	MWK 820.4725	MWK 820.4725	MWK 823.4898
	MWK	B	EUR 1 =	MWK 847.7749	MWK 955.3195	MWK 951.6185	MWK 936.5455
		S	EUR 1 =	MWK 864.6874	MWK 974.2290	MWK 970.4549	MWK 955.0834
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.1319	MYR 4.1690	MYR 4.1105	MYR 4.1188
		S	USD 1 =	MYR 4.2695	MYR 4.3080	MYR 4.2475	MYR 4.2562
	MYR	B	EUR 1 =	MYR 4.7206	MYR 4.9453	MYR 4.8410	MYR 4.7692
		S	EUR 1 =	MYR 4.9037	MYR 5.1307	MYR 5.0224	MYR 4.9480

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		
					July 2021	August 2021	September 2021
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.38	MVR 15.42	MVR 15.41	MVR 15.40
		V, M	EUR 1 =	MVR 17.64149	MVR 18.33592	MVR 18.23619	MVR 17.83166
Mali 1							
Bamako 232	CFA franc XOF	B	USD 1 =	XOF .	XOF 548.00	XOF 552.50	XOF 557.50
		S	USD 1 =	XOF .	XOF 555.00	XOF 559.50	XOF 564.50
		M	USD 1 =	XOF 574.293	XOF 551.50	XOF 556.00	XOF 561.00
		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 1.1891	USD 1.1834	USD 1.1579
Mauritania							
Nouakchott 228	Ouguiya MRU	B	USD 1 =	MRU 37.10	MRU 36.03	MRU 36.09	MRU 36.03
		S	USD 1 =	MRU 37.47	MRU 36.39	MRU 36.45	MRU 36.39
		B	EUR 1 =	MRU 42.47	MRU 42.78	MRU 42.69	MRU 41.71
		S	EUR 1 =	MRU 42.89	MRU 43.21	MRU 43.12	MRU 42.12
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 38.9384	MUR 42.1247	MUR 42.1005	MUR 42.1648
		S	USD 1 =	MUR 39.8379	MUR 43.0250	MUR 43.0000	MUR 43.0643
		B	EUR 1 =	MUR 44.5651	MUR 49.9165	MUR 49.6090	MUR 48.7934
		S	EUR 1 =	MUR 45.7989	MUR 51.2723	MUR 50.9556	MUR 50.1215
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 21.5057	MXN 19.8950	MXN 20.0820	MXN 20.6350
		S	USD 1 =	MXN 21.5195	MXN 19.9030	MXN 20.0890	MXN 20.6420
		V, B	EUR 1 =	MXN 24.7500	MXN 23.6571	MXN 23.7650	MXN 23.8933
		V, S	EUR 1 =	MXN 24.7634	MXN 23.6667	MXN 23.7733	MXN 23.9014
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 17.3097	MDL 17.9234	MDL 17.6992	MDL 17.6627
		M	EUR 1 =	MDL 19.7740	MDL 21.2832	MDL 20.7896	MDL 20.5955
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,817.89	MNT 2,849.12	MNT 2,849.48	MNT 2,849.20
		M	EUR 1 =	MNT 3,234.16	MNT 3,389.31	MNT 3,370.36	MNT 3,306.35
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.4830	MAD 8.9205	MAD 8.9407	MAD 9.0648
		M	EUR 1 =	MAD 10.8360	MAD 10.5922	MAD 10.5876	MAD 10.4907

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		
					July 2021	August 2021	September 2021
Mozambique							
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 69.33	MZN 63.00	MZN 63.13	MZN 63.20
		S	USD 1 =	MZN 70.71	MZN 64.26	MZN 64.38	MZN 64.46
	MZN	B	EUR 1 =	MZN 79.66	MZN 74.84	MZN 74.71	MZN 73.25
		S	EUR 1 =	MZN 81.25	MZN 76.34	MZN 76.19	MZN 74.71
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,367.99	MMK 1,645.00	MMK 1,683.50	MMK 1,927.10
		M	EUR 1 =	MMK 1,566.13	MMK 1,957.40	MMK 1,991.40	MMK 2,236.50
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 16.4975	NAD 14.5662	NAD 14.6150	NAD 15.1314
		M	EUR 1 =	NAD 18.9025	NAD 17.3031	NAD 17.2774	NAD 17.5600
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 118.35	NPR 118.76	NPR 116.92	NPR 118.34
		S	USD 1 =	NPR 118.95	NPR 119.36	NPR 117.52	NPR 118.94
	NPR	B	EUR 1 =	NPR 135.65	NPR 140.98	NPR 137.90	NPR 137.95
		S	EUR 1 =	NPR 136.33	NPR 141.69	NPR 138.61	NPR 138.65
Netherlands							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
New Caledonia ¹							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.57	USD 9.96	USD 9.92	USD 9.70
		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 0.7140	USD 0.7169	USD 0.7014
		S	NZD 1 =	USD 0.6398	USD 0.6872	USD 0.6901	USD 0.6752
	NZD	B	NZD 1 =	EUR 0.5813	EUR 0.6010	EUR 0.6066	EUR 0.6045
		S	NZD 1 =	EUR 0.5584	EUR 0.5784	EUR 0.5838	EUR 0.5818
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 34.3819	NIO 35.2273	NIO 35.2866	NIO 35.3441
		V, M	EUR 1 =	NIO 39.44819	NIO 41.88878	NIO 41.75816	NIO 40.92493

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		
					July 2021	August 2021	September 2021
Niger ¹							
Niamey 240	CFA franc	B	USD 1 =	XOF .	XOF 548.00	XOF 552.50	XOF 557.50
		S	USD 1 =	XOF .	XOF 555.00	XOF 559.50	XOF 564.50
		M	USD 1 =	XOF 574.293	XOF 551.50	XOF 556.00	XOF 561.00
		XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957
Nigeria ¹							
Abuja 288	Naira = 100 kobo	B	USD 1 =	NGN 356.66	NGN 409.10	NGN 409.32	NGN 409.80
		S	USD 1 =	NGN 357.66	NGN 410.10	NGN 410.32	NGN 410.80
	NGN	B	EUR 1 =	NGN 408.9567	NGN 486.3790	NGN 484.6349	NGN 474.4664
		S	EUR 1 =	NGN 410.1010	NGN 487.5679	NGN 485.8189	NGN 475.6242
North Macedonia							
Skopje 096	North Macedonia denar = 100 deni	B	USD 1 =	MKD 53.7828	MKD 51.4449	MKD 51.8495	MKD 52.6740
		S	USD 1 =	MKD 54.3233	MKD 51.9619	MKD 52.3706	MKD 53.2034
	MKD	B	EUR 1 =	MKD 61.3734	MKD 61.1731	MKD 61.1875	MKD 61.3863
		S	EUR 1 =	MKD 61.9903	MKD 61.7879	MKD 61.8025	MKD 62.0033
Norway							
Oslo 028	Norwegian krone = 100 øre	B	USD 1 =	NOK 9.3758	NOK 8.7454	NOK 8.6125	NOK 8.7312
		S	USD 1 =	NOK 9.4481	NOK 8.8214	NOK 8.6885	NOK 8.8072
	NOK	B	EUR 1 =	NOK 10.7787	NOK 10.3990	NOK 10.1899	NOK 10.1363
		S	EUR 1 =	NOK 10.8582	NOK 10.4840	NOK 10.2749	NOK 10.2213
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 0.4552320	OMR 0.4540032	OMR 0.4455936
		S	EUR 1 =	OMR 0.4412132	OMR 0.4565715	OMR 0.4552240	OMR 0.4467925
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 161.93	PKR 161.90	PKR 165.95	PKR 170.45
		S	USD 1 =	PKR 162.43	PKR 162.40	PKR 166.45	PKR 170.95
	PKR	B	EUR 1 =	PKR 185.36	PKR 192.67	PKR 196.42	PKR 198.14
		S	EUR 1 =	PKR 186.01	PKR 193.26	PKR 197.01	PKR 198.72
Panama ¹							
Panama City 442	Balboa = 100 centésimos PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1422	PAB 1.1891	PAB 1.1834	PAB 1.1579
Papua New Guinea							
Port Moresby 801	Kina = 100 toea	B	PGK 1 =	USD 0.2963	USD 0.2925	USD 0.2925	USD 0.2925
		S	PGK 1 =	USD 0.2813	USD 0.2775	USD 0.2775	USD 0.2775
	PGK	B	PGK 1 =	EUR 0.2527	EUR 0.2402	EUR 0.2421	EUR 0.2462
		S	PGK 1 =	EUR 0.2377	EUR 0.2252	EUR 0.2271	EUR 0.2312

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		
					July 2021	August 2021	September 2021
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 6,770.58	PYG 6,911.09	PYG 6,911.09	PYG 6,895.80
		S	USD 1 =	PYG 6,788.29	PYG 6,921.95	PYG 6,922.15	PYG 6,918.66
	PYG	V, B	EUR 1 =	PYG 7,752.25	PYG 8,217.98	PYG 8,178.58	PYG 7,984.65
V, S		EUR 1 =	PYG 7,772.67	PYG 8,230.89	PYG 8,191.67	PYG 8,011.12	
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.494	PEN 4.036	PEN 4.081	PEN 4.132
		S	USD 1 =	PEN 3.498	PEN 4.044	PEN 4.086	PEN 4.136
	PEN	B	EUR 1 =	PEN 3.943	PEN 4.749	PEN 4.776	PEN 4.730
		S	EUR 1 =	PEN 4.117	PEN 5.028	PEN 5.063	PEN 5.138
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 49.28	PHP 50.00	PHP 49.50	PHP 50.70
		S	USD 1 =	PHP 49.78	PHP 50.50	PHP 50.00	PHP 51.20
	PHP	B	EUR 1 =	PHP 54.8526	PHP 57.3954	PHP 56.5612	PHP 56.9237
		S	EUR 1 =	PHP 58.1524	PHP 61.4016	PHP 60.5150	PHP 60.8709
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.8978	PLN 3.8410	PLN 3.8386	PLN 3.9925
		M	EUR 1 =	PLN 4.4742	PLN 4.5731	PLN 4.5374	PLN 4.6329
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
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 4.3283	QAR 4.3076	QAR 4.2148
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.2413	RON 4.1348	RON 4.1741	RON 4.2653
		M	EUR 1 =	RON 4.8418	RON 4.9198	RON 4.9348	RON 4.9471
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 72.3558	RUB 73.1388	RUB 73.5744	RUB 72.7608
		M	EUR 1 =	RUB 83.9960	RUB 86.9913	RUB 86.8104	RUB 84.8755

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		
					July 2021	August 2021	September 2021
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 934.857718	RWF 980.209704	RWF 983.386962	RWF 987.655931
		S	USD 1 =	RWF 953.552984	RWF 999.811918	RWF 1,003.052714	RWF 1,007.407055
	RWF	B	EUR 1 =	RWF 1,070.37143	RWF 1,164.48913	RWF 1,162.11754	RWF 1,146.02656
		S	EUR 1 =	RWF 1,091.77668	RWF 1,187.77656	RWF 1,185.35755	RWF 1,168.94478
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.77894	SHP 0.71600	SHP 0.72566	SHP 0.74318
		V	EUR 1 =	SHP 0.88970	SHP 0.85140	SHP 0.85875	SHP 0.86053
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 3.1965	XCD 3.1812	XCD 3.1127
		V, S	EUR 1 =	XCD 3.1032	XCD 3.2307	XCD 3.2152	XCD 3.1459
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 3.1965	XCD 3.1812	XCD 3.1127
		V, S	EUR 1 =	XCD 3.1032	XCD 3.2307	XCD 3.2152	XCD 3.1459
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 3.1965	XCD 3.1812	XCD 3.1127
		V, S	EUR 1 =	XCD 3.1032	XCD 3.2307	XCD 3.2152	XCD 3.1459
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.37602	USD 0.38940	USD 0.38791	USD 0.38419
		M	WST 1 =	EUR 0.32805	EUR 0.32745	EUR 0.32874	EUR 0.33127
Sao Tome and Principe							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 21.4306	STN 20.6351	STN 20.7610	STN 20.9796
		S	USD 1 =	STN 21.7520	STN 20.9446	STN 21.0724	STN 21.2943
	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 4.29532	SAR 4.45913 ▼	SAR 4.43775 ▼	SAR 4.34213 ▼

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		
					July 2021	August 2021	September 2021
Senegal ¹							
Dakar 248	CFA franc XOF	B	USD 1 =	XOF .	XOF 548.00	XOF 552.50	XOF 557.50
		S	USD 1 =	XOF .	XOF 555.00	XOF 559.50	XOF 564.50
		M	USD 1 =	XOF 574.293 ^v	XOF 551.50	XOF 556.00	XOF 561.00
		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 98.6651	RSD 99.1522	RSD 100.9881
		S	USD 1 =	RSD 103.1756	RSD 99.2589	RSD 99.7490	RSD 101.5959
	B	EUR 1 =	RSD 117.2267	RSD 117.2141	RSD 117.2078	RSD 117.2068	
	S	EUR 1 =	RSD 117.9322	RSD 117.9195	RSD 117.9132	RSD 117.9122	
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 17.5118	SCR 15.2904	SCR 13.5355	SCR 14.2186
		S	USD 1 =	SCR 18.0531	SCR 16.0608	SCR 14.3386	SCR 14.9214
	B	EUR 1 =	SCR 20.3540	SCR 17.9852	SCR 15.3030	SCR 16.9233	
	S	EUR 1 =	SCR 20.8170	SCR 18.8853	SCR 16.8303	SCR 17.5541	
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 9,731.85	SLL 10,155.60	SLL 10,225.48	SLL 10,465.27
		S	USD 1 =	SLL 9,928.45	SLL 10,360.76	SLL 10,462.67	SLL 10,676.69
	B	EUR 1 =	SLL 11,150.96	SLL 12,082.50	SLL 12,134.67	SLL 12,163.37	
	S	EUR 1 =	SLL 11,373.32	SLL 12,322.05	SLL 12,374.92	SLL 12,404.36	
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3785	SGD 1.3534	SGD 1.3445	SGD 1.3611
		M	EUR 1 =	SGD 1.5781	SGD 1.6076	SGD 1.5891	SGD 1.5794
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
	B	EUR 100 =	ANG 204.29	ANG 211.93	ANG 210.88	ANG 206.16	
	S	EUR 100 =	ANG 208.40	ANG 216.20	ANG 215.13	ANG 210.31	
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1218	USD 0.1240	USD 0.1240	USD 0.1238
		M	SBD 1 =	EUR 0.10634	EUR 0.10430	EUR 0.10520	EUR 0.10670

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		
					July 2021	August 2021	September 2021
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 14.3925	ZAR 14.3813	ZAR 14.8888
		S	USD 1 =	ZAR 16.5842	ZAR 14.7100	ZAR 14.6988	ZAR 15.2063
	ZAR	B	EUR 1 =	ZAR 18.6923	ZAR 17.0846	ZAR 16.9605	ZAR 17.2309
		S	EUR 1 =	ZAR 19.1284	ZAR 17.5257	ZAR 17.4010	ZAR 17.6693
South Sudan							
Juba 225	South Sudanese pound = 100 piastres SSP	M	USD 1 =	SSP 167.8527	SSP 397.5621	SSP 409.2098	SSP 401.4333
		M	EUR 1 =	SSP 195.2527	SSP 469.4615	SSP 482.6837	SSP 468.0916
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1422	USD 1.1891	USD 1.1834	USD 1.1579
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 183.2437	LKR 198.3983	LKR 198.9023	LKR 198.5008
		S	USD 1 =	LKR 187.8005	LKR 202.8977	LKR 204.8977	LKR 202.9992
	LKR	B	EUR 1 =	LKR 208.6868	LKR 233.6903	LKR 235.5881	LKR 229.4296
		S	EUR 1 =	LKR 216.2827	LKR 241.3205	LKR 244.4379	LKR 237.9393
Sudan							
Khartoum 224	Sudanese pound = 100 piastres SDG	B	USD 1 =	SDG 54.4417	SDG 443.8242	SDG 440.0162	SDG 439.1062
		S	USD 1 =	SDG 54.7139	SDG 447.1529	SDG 443.3163	SDG 442.3995
	SDG	B	EUR 1 =	SDG 62.4240	SDG 526.1669	SDG 520.1255	SDG 509.5915
		S	EUR 1 =	SDG 62.7361	SDG 530.1132	SDG 524.0265	SDG 513.4135
Suriname							
Paramaribo 492	Suriname dollar = 100 cents	B	USD 1 =	SRD 9.603	SRD 21.134	SRD 21.147	SRD 21.312
		S	USD 1 =	SRD 9.777	SRD 21.452	SRD 21.600	SRD 21.544
	SRD	B	EUR 1 =	SRD 11.097	SRD 24.018	SRD 24.268	SRD 23.994
		S	EUR 1 =	SRD 11.298	SRD 24.811	SRD 25.203	SRD 24.437
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 9.1519	SEK 8.5057	SEK 8.5399	SEK 8.7386
		S	USD 1 =	SEK 9.2569	SEK 8.6107	SEK 8.6449	SEK 8.8436
	SEK	B	EUR 1 =	SEK 10.4272	SEK 10.1211	SEK 10.1024	SEK 10.1435
		S	EUR 1 =	SEK 10.5422	SEK 10.2361	SEK 10.2174	SEK 10.2585

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		
					July 2021	August 2021	September 2021
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9381	CHF 0.9051	CHF 0.9145	CHF 0.9345
		B	EUR 1 =	CHF 1.0711	CHF 1.0774	CHF 1.0810	CHF 1.0844
Syrian Arab Republic ¹							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 1,250.00 2	SYP 2,500.00	SYP 2,500.00	SYP 2,500.00
		S	USD 1 =	SYP 1,262.14 2	SYP 2,525.00	SYP 2,525.00	SYP 2,525.00
		B	EUR 1 =	SYP 1,474.86 2	SYP 2,962.00	SYP 2,950.00	SYP 2,901.00
		S	EUR 1 =	SYP 1,489.61 2	SYP 2,991.62	SYP 2,979.50	SYP 2,930.01
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 10.3374	TJS 11.3225	TJS 11.3265	TJS 11.3095
		M	EUR 1 =	TJS 11.8378	TJS 13.4613	TJS 13.3575	TJS 13.1767
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 2,287.7921	TZS 2,288.0495	TZS 2,285.8416
		S	USD 1 =	TZS 2,305.9483	TZS 2,310.6700	TZS 2,310.9300	TZS 2,308.7000
		B	EUR 1 =	TZS 2,617.0269	TZS 2,716.5243	TZS 2,699.4408	TZS 2,660.9482
		S	EUR 1 =	TZS 2,643.9660	TZS 2,744.6138	TZS 2,727.3596	TZS 2,688.4812
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 31.0973	THB 32.7135	THB 32.2191	THB 33.7538
		S	USD 1 =	THB 31.4341	THB 33.0900	THB 32.5521	THB 34.0908
		B	EUR 1 =	THB 35.5464	THB 38.6836	THB 37.8717	THB 38.9765
		S	EUR 1 =	THB 36.2858	THB 39.4634	THB 38.6193	THB 39.7517
Togo ¹							
Lomé 280	CFA franc XOF	B	USD 1 =	XOF .	XOF 548.00	XOF 552.50	XOF 557.50
		S	USD 1 =	XOF .	XOF 555.00	XOF 559.50	XOF 564.50
		M	USD 1 =	XOF 574.293 v	XOF 551.50	XOF 556.00	XOF 561.00
		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 0.4435	USD 0.4428	USD 0.4396
		M	TOP 1 =	EUR 0.3787	EUR 0.3722	EUR 0.3744	EUR 0.3782
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7138	TTD 6.7145	TTD 6.7623	TTD 6.7184
		S	USD 1 =	TTD 6.7781	TTD 6.7609	TTD 6.7698	TTD 6.7747
		B	EUR 1 =	TTD 7.7724	TTD 8.0458	TTD 7.8534	TTD 7.8168
		S	EUR 1 =	TTD 8.3139	TTD 8.4860	TTD 8.4482	TTD 8.4327

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		
					July 2021	August 2021	September 2021
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.8046	TND 2.7691	TND 2.7873	TND 2.8285
			USD 1 =	TND 2.8074	TND 2.7718	TND 2.7900	TND 2.8313
	TND	B S	EUR 1 =	TND 3.2055	TND 3.2956	TND 3.2974	TND 3.2774
			EUR 1 =	TND 3.2087	TND 3.2989	TND 3.3007	TND 3.2806
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 7.0024	TRY 8.4975	TRY 8.3753	TRY 8.8433
			USD 1 =	TRY 7.0150	TRY 8.5128	TRY 8.3903	TRY 8.8592
	TRY	B S	EUR 1 =	TRY 8.0963	TRY 10.0862	TRY 9.8494	TRY 10.3135
			EUR 1 =	TRY 8.1109	TRY 10.1043	TRY 9.8671	TRY 10.3321
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 4.1664	TMT 4.1283	TMT 4.0835
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,718.43	UGX 3,545.04	UGX 3,530.04	UGX 3,534.09
			USD 1 =	UGX 3,728.43	UGX 3,555.04	UGX 3,540.04	UGX 3,544.09
	UGX	B S	EUR 1 =	UGX 4,242.69	UGX 4,182.94	UGX 4,149.08	UGX 4,125.72
			EUR 1 =	UGX 4,254.10	UGX 4,194.74	UGX 4,160.84	UGX 4,137.39
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok	M	USD 1 =	UAH 27.0268	UAH 26.8867	UAH 26.8601	UAH 26.5760
		M	EUR 1 =	UAH 30.9090	UAH 31.9239	UAH 31.6963	UAH 30.9810
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 4.3670	AED 4.3460	AED 4.2524
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M	GBP 1 =	USD 1.2836	USD 1.3907	USD 1.3761	USD 1.3484
		M	EUR 1 =	GBP 0.8882	GBP 0.8527	GBP 0.8578	GBP 0.8595
United States							
Washington 400	US dollar = 100 cents	M	EUR 1 =	USD 1.14706	USD 1.1870	USD 1.1807	USD 1.1581
		M	GBP 1 =	USD 1.28379	USD 1.3901	USD 1.3754	USD 1.3472

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 *

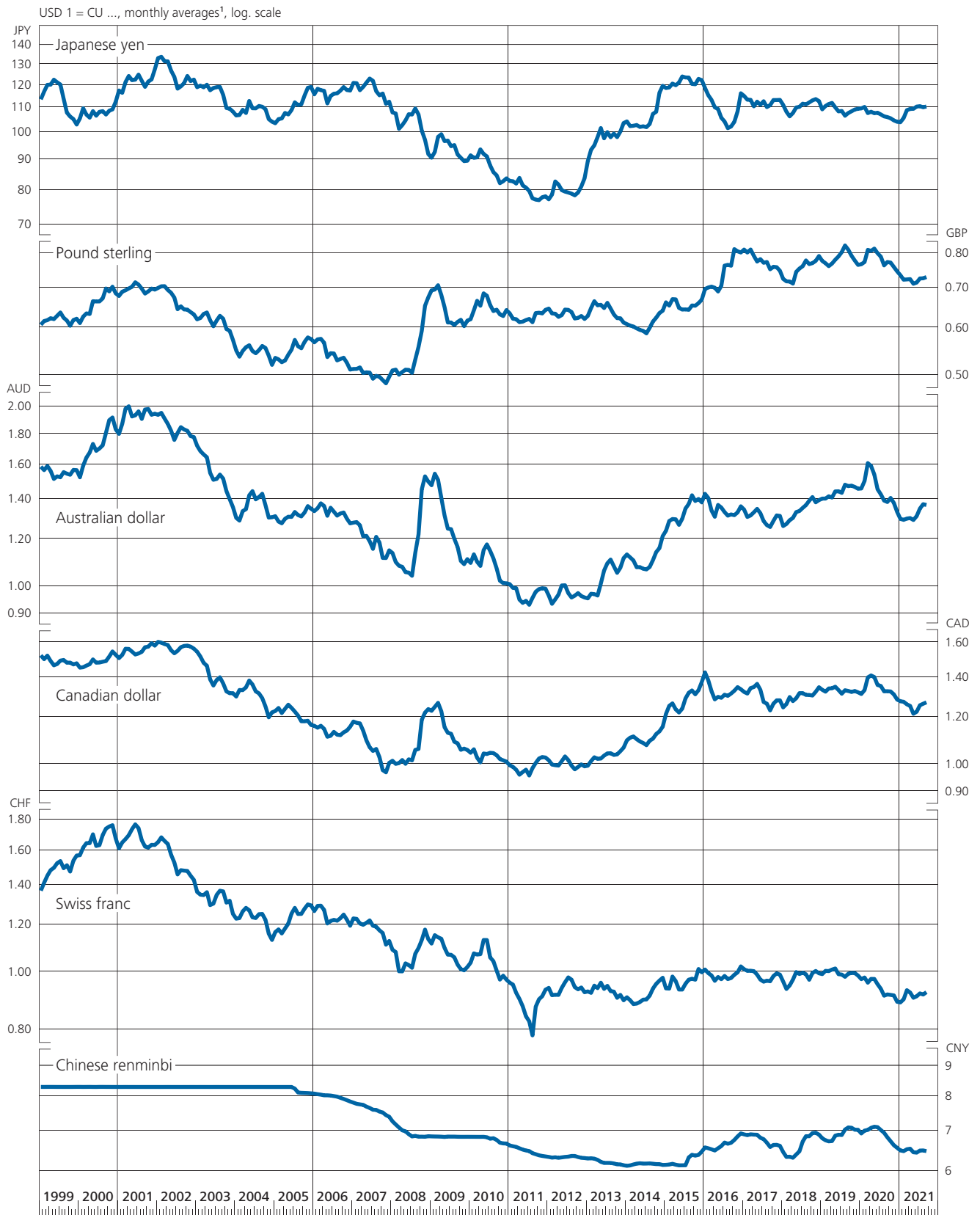
1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2020	Rate at end of month		
					July 2021	August 2021	September 2021
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 42.056	UYU 43.704	UYU 42.464	UYU 42.940
		M	EUR 1 =	UYU 48.0537	UYU 51.8176	UYU 50.1542	UYU 49.7438
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 10,067.97	UZS 10,625.00	UZS 10,653.18	UZS 10,691.91
		M	EUR 1 =	UZS 11,507.02	UZS 12,616.13	UZS 12,570.75	UZS 12,472.11
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 113.11	VUV 108.71	VUV 109.14	VUV 110.38
		S	USD 1 =	VUV 120.41	VUV 115.63	VUV 116.08	VUV 117.41
		B	EUR 1 =	VUV 130.25	VUV 129.74	VUV 129.75	VUV 129.00
		S	EUR 1 =	VUV 135.57	VUV 134.98	VUV 134.99	VUV 134.21
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	VES 374,790	VES 4,005,607	VES 4,116,707	VES 4,171,327
		S	USD 1 =	VES 375,729	VES 4,015,646	VES 4,127,024	VES 4,181,782
		B	EUR 1 =	VES 443,299	VES 4,752,212	VES 4,859,443	VES 4,844,663
		S	EUR 1 =	VES 444,444	VES 4,764,122	VES 4,871,622	VES 4,856,805
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,160	VND 22,850	VND 22,680	VND 22,650
		S	USD 1 =	VND 23,332	VND 23,050	VND 22,880	VND 22,850
		B	EUR 1 =	VND 26,248.31	VND 26,848.45	VND 26,463.33	VND 25,973.76
		S	EUR 1 =	VND 27,282.12	VND 27,963.10	VND 27,562.17	VND 27,052.31
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 296.44	YER 295.48	YER 290.08
		S	EUR 1 =	YER 286.96	YER 297.03	YER 296.07	YER 290.66
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 18.5912	ZMW 19.1865	ZMW 15.8628	ZMW 16.7593
		S	USD 1 =	ZMW 18.6414	ZMW 19.2365	ZMW 15.9128	ZMW 16.8093
		B	EUR 1 =	ZMW 21.3952	ZMW 22.7916	ZMW 18.7038	ZMW 19.4106
		S	EUR 1 =	ZMW 21.4583	ZMW 22.8568	ZMW 18.7644	ZMW 19.4736
Zimbabwe							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	ZWL 54.51903	ZWL 85.64020	ZWL 85.90840	ZWL 87.66530
		M	EUR 1 =	ZWL 63.77682	ZWL 101.74503	ZWL 101.55255	ZWL 101.72705

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*

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 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	12.1290
Dec.	1.44027	1.18385	9.41203	149.255	1.07323	1.85161	1.28162	8.80553	12.5770	11.9614
2021 Jan.	1.44080	1.18721	9.30960	150.535	1.05030	1.84135	1.28080	8.82924	12.2794	12.0514
Feb.	1.43927	1.18742	9.30691	152.894	1.03359	1.82572	1.30405	8.82979	12.3505	11.9590
Mar.	1.41721	1.20871	9.29731	156.885	1.02965	1.78214	1.33650	8.98949	12.0816	12.3636
Apr.	1.43599	1.18853	9.29861	156.451	1.03219	1.76411	1.30596	8.80375	11.8298	12.0400
May	1.44467	1.18435	9.21175	157.758	1.02277	1.75160	1.29738	8.80716	12.0748	12.0046
June	1.42642	1.20029	9.21311	157.620	1.02894	1.76791	1.31645	8.92554	12.2090	12.1393
July	1.42877	1.20156	9.22526	156.450	1.02289	1.78053	1.29325	8.93711	12.5449	12.2277
Aug.	1.42426	1.20353	9.20073	156.483	1.03439	1.79698	1.30170	8.94943	12.3482	12.2378
Sep.	1.40887	1.21675	9.10606	157.667	1.04866	1.80099	1.31934	9.04781	12.3682	12.3855
2021 Aug. 19	1.41758	1.21202	9.20378	155.905	1.03563	1.81336	1.30027	9.01364	12.7807	12.4279
20	1.41622	1.21345	9.20471	155.586	1.03970	1.82069	1.29825	9.02413	12.8625	12.4933
23	1.41847	1.21051	9.20632	155.805	1.03720	1.79891	1.30003	9.00252	12.6946	12.4644
24	1.41974	1.20932	9.19608	155.830	1.03487	1.79001	1.29686	8.99378	12.5773	12.3622
25	1.42016	1.21009	9.19599	155.990	1.03503	1.79210	1.29760	8.99896	12.5683	12.3405
26	1.42109	1.20769	9.21217	156.320	1.03442	1.79782	1.30108	8.98118	12.5135	12.3551
27	1.42009	1.20746	9.19921	156.210	1.03603	1.79429	1.30336	8.97892	12.5062	12.3619
30	1.42260	1.20549	9.20056	156.117	1.03603	1.79291	1.30133	8.96411	12.3437	12.3000
31	1.42426	1.20353	9.20073	156.483	1.03439	1.79698	1.30170	8.94943	12.3482	12.2378
Sep. 1	1.42324	1.20440	9.20039	156.927	1.03426	1.79428	1.30447	8.95600	12.3611	12.2944
7	1.42598	1.20235	9.20954	156.573	1.03396	1.79973	1.30313	8.94095	12.3830	12.1913
8	1.42333	1.20346	9.19811	156.951	1.03402	1.80421	1.31082	8.94895	12.3535	12.2354
9	1.42471	1.20350	9.19921	157.003	1.03150	1.80283	1.30987	8.94943	12.3538	12.2868
10	1.42564	1.20399	9.18156	156.507	1.02767	1.80073	1.30845	8.95303	12.2840	12.2555
13	1.42251	1.20756	9.17920	156.419	1.02868	1.80000	1.30845	8.95303	12.2840	12.2555
14	1.42411	1.20544	9.17507	156.751	1.02683	1.80306	1.31338	8.96379	12.2647	12.2255
15	1.42600	1.20602	9.17903	156.347	1.03139	1.80403	1.30700	8.96813	12.2312	12.2545
16	1.42307	1.20979	9.17145	155.684	1.02942	1.80361	1.31577	8.99596	12.2544	12.2406
17	1.42257	1.20761	9.17869	156.198	1.03137	1.80965	1.31936	8.97980	12.2220	12.2492
20	1.41876	1.21148	9.17920	156.419	1.02868	1.80000	1.30845	8.95303	12.2840	12.2555
21	1.41968	1.20948	9.17920	156.419	1.02868	1.80000	1.30845	8.95303	12.2840	12.2555
22	1.41948	1.21023	9.18181	155.036	1.03732	1.81069	1.31271	8.99370	12.3159	12.3152
23	1.41901	1.21127	9.17355	155.036	1.03713	1.79547	1.31194	8.99073	12.2169	12.2988
24	1.41904	1.21089	9.17027	156.662	1.03617	1.79934	1.30942	8.99043	12.2167	12.2539
27	1.41772	1.21194	9.15877	157.084	1.03483	1.79158	1.31324	9.01193	12.1988	12.2888
28	1.41534	1.21197	9.13776	157.145	1.04054	1.79465	1.31372	9.01218	12.2434	12.3493
29	1.41354	1.21292	9.14311	157.794	1.04668	1.80099	1.31240	9.01925	12.3026	12.3429
30	1.40887	1.21675	9.10606	157.667	1.04866	1.80099	1.31934	9.04781	12.3682	12.3855
Oct. 1	1.41168	1.21696	9.10606	157.667	1.04866	1.80099	1.31934	9.04781	12.3682	12.3855
4	1.41329	1.21458	9.10606	157.667	1.04866	1.80099	1.31934	9.04781	12.3682	12.3855
5	1.41268	1.21761	9.10606	157.667	1.04866	1.80099	1.31934	9.04781	12.3682	12.3855
6	1.40949	1.22119	9.10606	157.667	1.04866	1.80099	1.31934	9.04781	12.3682	12.3855
7	1.41093	1.22032	9.10606	157.667	1.04866	1.80099	1.31934	9.04781	12.3682	12.3855
8	1.41087	1.21952	9.09753	157.622	1.03519	1.76104	1.31062	9.07482	12.0556	12.4100
12	1.40899	1.21938	9.09761	159.893	1.03485	1.75575	1.30804	9.07326	12.0241	12.3490
13	1.40938	1.21898	9.08612	159.937	1.03449	1.75398	1.30706	9.07005	12.0136	12.3616
14	1.41239	1.21737	9.09099	160.137	1.03023	1.74741	1.29940	9.05797	11.9214	12.2295

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 2020

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 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 Nigeria ⁷ Suriname ⁷ Tanzania, United Republic of ⁷ Yemen ⁷	Armenia ^{7,8} Guatemala ⁷ Serbia Sri Lanka ^{7,8}	Azerbaijan ⁷ Kyrgyzstan ⁷ Malawi ^{7,8} Sudan ⁷ Tajikistan ^{7,9}
Crawling peg	Honduras Nicaragua		Botswana				
Pegged exchange rate within horizontal bands							

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2020, Table 4, 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 2020

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	Cambodia Liberia		Singapore		Algeria ⁷ Bangladesh ⁷ Burundi ⁷ Congo, Democratic Republic of the ⁷ Ethiopia ⁷ Guinea ^{7,11} Papua New Guinea ⁷	Costa Rica Dominican Republic ⁷ Paraguay ^{7,8} Romania ¹⁰	Egypt ^{7,9} Haiti ⁷ Lao People's Democratic Republic ⁷ Mauritania ⁷ Mongolia ⁹ Rwanda ⁷ South Sudan ⁷ Tunisia ^{9,10} Uzbekistan ^{7,9}
Other managed arrangement			Kuwait Syrian Arab Republic		Afghanistan Angola ^{8,11} China Gambia Myanmar Sierra Leone Zimbabwe		Argentina Kenya ⁹ Pakistan ^{9,11} Tonga Vanuatu Venezuela, Bolivarian Republic of
Floating					Belarus Madagascar	Albania Brazil Chile Colombia Georgia Ghana Hungary Iceland India Indonesia Israel Jamaica Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Peru Philippines Seychelles South Africa Thailand Turkey Uganda Ukraine Uruguay	Malaysia Mauritius Mozambique ⁹ Switzerland ^{8,11} Zambia
Free floating						Australia Canada Czechia 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 was reclassified twice during this reporting period. ⁹ The central bank is in transition towards inflation targeting. ¹⁰ The country maintains a de facto exchange rate anchor to the euro. ¹¹ The exchange rate arrangement or monetary policy frame-

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

VII. ISO currency codes *

ISO code	Currency	Country 1 or territory	ISO code	Currency	Country 1 or territory	ISO code	Currency	Country 1 or territory
AED	United Arab Emirates dirham	United Arab Emirates	CUC	Convertible peso	Cuba ¹	GMD	Dalasi	Gambia
AFN	Afghani	Afghanistan	CUP	Cuban peso	Cuba	GNF	Guinean franc	Guinea
ALL	Albanian lek	Albania	CVE	Cabo Verde escudo	Cabo Verde	GTQ	Quetzal	Guatemala
AMD	Armenian dram	Armenia	CZK	Czech koruna	Czechia	GYP	Guyana dollar	Guyana
ANG	Netherlands Antillean guilder	Curaçao Sint Maarten (southern part)	DJF	Djibouti franc	Djibouti	HKD	Hong Kong dollar	Hong Kong
AOA	Kwanza	Angola	DKK	Danish krone	Denmark Faroe Islands Greenland	HNL	Lempira	Honduras
ARS	Argentine peso	Argentina	DOP	Dominican peso	Dominican Republic	HRK	Kuna	Croatia
AUD	Australian dollar	Australia Christmas Island Cocos Islands Kiribati Nauru Norfolk Island Tuvalu	DZD	Algerian dinar	Algeria	HTG	Gourde	Haiti
AWG	Aruban florin	Aruba	EGP	Egyptian pound	Egypt	HUF	Hungarian forint	Hungary
AZN	Azerbaijan manat	Azerbaijan	ERN	Nakfa	Eritrea	IDR	Indonesian rupiah	Indonesia
BAM	Convertible marka	Bosnia and Herzegovina	ETB	Birr	Ethiopia	ILS	New shekel	Israel
BBD	Barbados dollar	Barbados	EUR	Euro	Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain	INR	Indian rupee	India Bhutan
BDT	Taka	Bangladesh			Åland Islands Andorra (French) Guiana Guadeloupe Martinique Mayotte Monaco Montenegro Réunion Saint Pierre and Miquelon Saint Barthélemy Saint Martin (northern part) San Marino Vatican City	IQD	Iraqi dinar	Iraq
BGN	Bulgarian lev	Bulgaria				IRR	Iranian rial	Iran, Islamic Republic of
BHD	Bahraini dinar	Bahrain				ISK	Icelandic krona	Iceland
BIF	Burundi franc	Burundi				JMD	Jamaican dollar	Jamaica
BMD	Bermudian dollar	Bermuda				JOD	Jordanian dinar	Jordan
BND	Brunei dollar	Brunei Darussalam				JPY	Japanese yen	Japan
BOB	Boliviano	Bolivia, Plurinational State of				KES	Kenya shilling	Kenya
BRL	Brazilian real	Brazil				KGS	Kyrgyz som	Kyrgyzstan
BSD	Bahamian dollar	Bahamas				KHR	Riel	Cambodia
BTN	Ngultrum	Bhutan				KMF	Comorian franc	Comoros
BWP	Pula	Botswana				KPW	North Korean won	Korea, Democratic People's Republic of
BYN	Belarusian rouble	Belarus				KRW	South Korean won	Korea, Republic of
BZD	Belize dollar	Belize				KWD	Kuwaiti dinar	Kuwait
			FJD	Fiji dollar	Fiji	KYD	Cayman Islands dollar	Cayman Islands
CAD	Canadian dollar	Canada	FKP	Falkland Islands pound	Falkland Islands (Islas Malvinas)	KZT	Tenge	Kazakhstan
CDF	Congo franc	Congo, Democratic Republic of the				LAK	Kip	Lao People's Democratic Republic
CHF	Swiss franc	Switzerland Liechtenstein	GBP	Pound sterling	United Kingdom Guernsey Isle of Man Jersey	LBP	Lebanese pound	Lebanon
CLP	Chilean peso	Chile				LKR	Sri Lanka rupee	Sri Lanka
CNY	Chinese renminbi	China	GEL	Lari	Georgia	LRD	Liberian dollar	Liberia
COP	Colombian peso	Colombia	GHS	Ghana cedi	Ghana	LSL	Loti	Lesotho
CRC	Costa Rican colón	Costa Rica	GIP	Gibraltar pound	Gibraltar	LYD	Libyan dinar	Libya

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

Explanatory notes

Euro foreign exchange reference rates of the European Central Bank

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

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

Since 4 January 1999, the ECB has published euro foreign exchange reference rates for selected currencies each working day. These rates are calculated on the basis of the daily concertation between central banks which takes place at 14:15 CET. Only one reference rate, i. e. the middle rate, is established by this procedure. The ECB changed the publication time of the euro foreign exchange reference rates from around 14:30 CET to around 16:00 CET with effect from 1 July 2016. For information on the framework for the euro foreign exchange reference rates, see the ECB's website: <https://www.ecb.europa.eu/stats/pdf/exchange/Frameworkfortheeuroforeignexchangereference-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 Deutsche Bundesbank 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 used in the calculation of 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. For more detailed information on methodology and weighting scale, see the website of the Deutsche Bundesbank (<https://www.bundesbank.de/content/796162>).

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,

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.

Norway, Sweden, Switzerland, the United Kingdom and the United States.

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 included in the SDR basket as the fifth currency. With effect from 1 October 2016, the SDR basket comprises the five fixed currency amounts shown in column (a). These were fixed on 30 September 2016 on the basis of the average exchange rates in the London spot exchange market in the third quarter of 2016 and of the initial new percentage weights (column (b)) such that, on 30 September 2016, the new SDR value corresponded with the value calculated on the basis of the old basket (see <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

On 5 March 2021, the IMF Executive Board approved a continuation of the current Special drawing rights valuation basket for an additional ten months until 31 July 2022. The next review is now scheduled to be completed by mid-2022, with the new SDR basket taking effect on 1 August 2022.

The above-mentioned currency amounts are converted into US dollar amounts on the basis of the market rates on every business day. In principle, the middle rates between the buying and selling rates fixed at noon in the London spot exchange market are used as market rates. The sum of the US dollar equivalents of the currency amounts yields the value of the SDR expressed in terms of the US dollar. Values of the SDR in terms of all other currencies are ascertained, using the value for the SDR in terms of the US dollar, from the representative market exchange rates of these currencies vis-à-vis the US dollar; for the euro, it is the reference exchange rate of the European Central Bank.

The current criteria for inclusion were adopted by the Executive Board in 2000. They establish that the SDR basket comprises the currencies that are issued by member countries or monetary unions whose exports had the largest value over a five-year period, and have been determined by the IMF to be "freely usable". In the case of a monetary union, exports of goods and services do not

cover cross-border trade between the members of the monetary union.

The export criterion, which acts as a “gateway”, aims to ensure that currencies that qualify for the basket are those issued by member countries or monetary unions that play a central role in the global economy. This criterion has been part of the SDR methodology since the 1970s.

The requirement for currencies in the SDR basket to be also freely usable is the second criterion, and it was incorporated in 2000 to reflect formally the importance of financial transactions for the purposes of valuing the SDR basket.

A “freely usable” currency is defined in the IMF’s Articles of Agreement to mean a currency that the IMF determines is, in fact, widely used to make payments for international transactions, and is widely traded in the major exchange markets. The concept of a freely usable currency concerns the actual international use and trading of a currency, and is different from whether a currency is either freely floating or fully convertible. A currency can be widely used and widely traded even if it is subject to some capital account restrictions. On the other hand, a currency that is fully convertible is not necessarily widely used and widely traded.

The formula adopted by the IMF for determining currency weights for the SDR basket assigns equal shares to the currency issuer’s exports and a composite financial indicator. The financial indicator comprises, in equal shares, official reserves denominated in the member country’s (or monetary union’s) currency that are held by other monetary authorities that are not issuers of the relevant currency, foreign exchange turnover in the relevant currency, and the sum of all outstanding international bank liabilities and international debt securities denominated in the currency.

The IMF uses the SDR as unit of account for its transactions and for all conversions into national currencies. In addition, the SDR is used by public and private bodies in Germany and abroad, inter alia as the “successor” to those units of account which had hitherto been defined in terms of gold (e. g. gold francs).

Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 2020

(see Table VI., pp. 44-45) is based on the IMF’s “Annual Report on Exchange Arrangements and Exchange Restrictions 2020”, which can be accessed online (<https://www.elibrary-areaer.imf.org>).

The IMF’s classification system is generally based on the actual, de facto exchange rate regimes identified and operating in member countries. These may differ from the official, de jure exchange rate arrangements in these countries.

Exchange rate arrangements are primarily classified on the basis of the degree to which the exchange rate is determined by the market rather than by official action, with market-determined exchange rates being on the whole more flexible. The IMF’s system distinguishes between four major categories. The category “hard pegs” (fixed exchange rate anchors) is subdivided into exchange 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 normally include increased communication with the public and

the markets about the plans and objectives of monetary policymakers and increased accountability of the central bank for achieving its inflation objectives. Monetary policy decisions are often guided by the deviation of forecasts of future inflation from the announced inflation target, with the inflation forecast acting (implicitly or explicitly) as the intermediate target of monetary policy.

Other

The country has no explicitly stated nominal anchor, but rather monitors various indicators in conducting monetary policy. This category is also used when no relevant information on the country is available.

Explanatory notes on individual countries

Angola

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

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 could be exchanged at banks and bureaux de change at a rate of CUC 1 = CUP 24 until 30 June 2021.

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 bureaux (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 bureaux.

Bureau de change rate

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

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

Iraq

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

Kenya

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

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. According to press reports, this rate stood at more than 17,000 Lebanese pound to the US dollar at the end of June 2021.

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

With effect from 1 October 2021, a currency changeover took place at the ratio of 1,000,000 (old) bolívar soberano = 1 (new) bolívar soberano. Alongside the new banknotes introduced on this date, banknotes for the old currency in denominations of 10,000 bolívar soberano and above will remain legal tender for the time being. The currency changeover did not entail any appreciation or depreciation against other currencies.

In addition, on 1 October a new ISO currency code – VED – was introduced alongside the existing VES code. This code is only for internal purposes, however, and is not intended to replace VES as the official currency code.

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