



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	Data unknown, not to be published or not meaningful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	Upper rate	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824	7.62824
Danish krone	Central rate	¹ 7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038	7.46038
DKK	Lower rate	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252	7.29252
Bulgaria	Upper rate	–	–	–	–	–	–	–	2.24920
Bulgarian lev	Central rate	–	–	–	–	–	–	–	² 1.95583
BGN	Lower rate	–	–	–	–	–	–	–	1.66246
Croatia	Upper rate	–	–	–	–	–	–	–	8.66468
Croatian kuna	Central rate	–	–	–	–	–	–	–	² 7.53450
HRK	Lower rate	–	–	–	–	–	–	–	6.40433
Greece	Upper rate	406.075	391.863	–	–	–	–	–	–
Greek drachma	Central rate	¹ 353.109	³ 340.750	–	–	–	–	–	–
GRD	Lower rate	300.143	289.638	–	–	–	–	–	–
Estonia	Upper rate	–	–	17.9936	17.9936	17.9936	17.9936	17.9936	–
Estonian kroon	Central rate	–	–	15.6466	15.6466	15.6466	15.6466	⁴ 15.6466	–
EEK	Lower rate	–	–	13.2996	13.2996	13.2996	13.2996	13.2996	–
Lithuania	Upper rate	–	–	3.97072	3.97072	3.97072	3.97072	3.97072	–
Lithuanian litas	Central rate	–	–	3.45280	3.45280	3.45280	3.45280	⁵ 3.45280	–
LTL	Lower rate	–	–	2.93488	2.93488	2.93488	2.93488	2.93488	–
Slovenia	Upper rate	–	–	275.586	275.586	275.586	–	–	–
Slovenian tolar	Central rate	–	–	239.640	239.640	⁶ 239.640	–	–	–
SIT	Lower rate	–	–	203.694	203.694	203.694	–	–	–
Cyprus	Upper rate	–	–	–	0.673065	0.673065	0.673065	–	–
Cyprus pound	Central rate	–	–	–	0.585274	0.585274	⁷ 0.585274	–	–
CYP	Lower rate	–	–	–	0.497483	0.497483	0.497483	–	–
Latvia	Upper rate	–	–	–	0.808225	0.808225	0.808225	0.808225	–
Latvian lats	Central rate	–	–	–	0.702804	0.702804	⁸ 0.702804	0.702804	–
LVL	Lower rate	–	–	–	0.597383	0.597383	0.597383	0.597383	–
Malta	Upper rate	–	–	–	0.493695	0.493695	0.493695	–	–
Maltese lira	Central rate	–	–	–	0.429300	0.429300	⁷ 0.429300	–	–
MTL	Lower rate	–	–	–	0.364905	0.364905	0.364905	–	–
Slovakia	Upper rate	–	–	–	–	44.2233	40.7588	34.6449	–
Slovak koruna	Central rate	–	–	–	–	38.4550	35.4424	⁹ 30.1260	–
SKK	Lower rate	–	–	–	–	32.6868	30.1260	25.6071	–

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

accession to the euro area on 1 January 2001. ⁴ Until 31 December 2010; accession to the euro area on 1 January 2011. ⁵ Until 31 December 2014; accession to the euro area on 1 January 2015. ⁶ Until 31 December 2006; accession to the euro area on 1 January 2007. ⁷ Until 31 December 2007; accession to the euro area on 1 January 2008. ⁸ Until 31 December 2013; accession to the euro area on 1 January 2014. ⁹ Until 31 December 2008; accession to the euro area on 1 January 2009.

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

1. End-of-month and daily rates

EUR 1 = CU ...

		EU member countries							
		Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden
Period		Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2021 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
Oct.		1.9558	7.5270	25.697	7.4389	360.00	4.6215	4.9493	9.9368
Nov.		1.9558	7.5315	25.526	7.4368	365.68	4.6639	4.9510	10.2860
Dec.		1.9558	7.5156	24.858	7.4364	369.19	4.5969	4.9490	10.2503
2022 Jan.		1.9558	7.5293	24.372	7.4419	357.19	4.5892	4.9475	10.4890
Feb.		1.9558	7.5655	24.997	7.4404	369.72	4.6835	4.9484	10.6055
Mar.		1.9558	7.5740	24.375	7.4379	369.77	4.6531	4.9463	10.3370
Apr.		1.9558	7.5667	24.605	7.4415	378.71	4.6780	4.9479	10.2958
May		1.9558	7.5410	24.714	7.4394	396.20	4.5805	4.9408	10.5053
June		1.9558	7.5307	24.739	7.4392	397.04	4.6904	4.9464	10.7300
July		1.9558	7.5180	24.610	7.4438	404.80	4.7375	4.9343	10.3875
Aug.		1.9558	7.5148	24.550	7.4371	402.80	4.7283	4.8595	10.6788
2022 Aug.	19	1.9558	7.5155	24.625	7.4373	407.35	4.7510	4.8811	10.6095
	22	1.9558	7.5113	24.651	7.4370	408.00	4.7640	4.8853	10.6500
	23	1.9558	7.5128	24.658	7.4374	410.55	4.7788	4.8839	10.6063
	24	1.9558	7.5125	24.629	7.4381	410.93	4.7668	4.8800	10.5860
	25	1.9558	7.5140	24.648	7.4374	408.93	4.7578	4.8758	10.5525
	26	1.9558	7.5135	24.635	7.4379	410.48	4.7485	4.8729	10.5703
	29	1.9558	7.5119	24.592	7.4379	409.90	4.7450	4.8699	10.6280
	30	1.9558	7.5103	24.577	7.4376	406.38	4.7323	4.8657	10.6500
	31	1.9558	7.5148	24.550	7.4371	402.80	4.7283	4.8595	10.6788
Sep.	1	1.9558	7.5210	24.488	7.4372	399.58	4.7128	4.8447	10.7415
	2	1.9558	7.5225	24.481	7.4370	398.38	4.7063	4.8335	10.7498
	5	1.9558	7.5173	24.622	7.4364	403.90	4.7360	4.8198	10.7290
	6	1.9558	7.5133	24.550	7.4365	402.65	4.7068	4.8424	10.6825
	7	1.9558	7.5143	24.631	7.4365	401.83	4.7290	4.8585	10.6888
	8	1.9558	7.5150	24.543	7.4365	395.48	4.7155	4.8756	10.7075
	9	1.9558	7.5245	24.536	7.4365	396.30	4.7210	4.9019	10.6643
	12	1.9558	7.5195	24.546	7.4365	395.73	4.6965	4.9135	10.6368
	13	1.9558	7.5255	24.551	7.4366	396.83	4.7050	4.9210	10.6108
	14	1.9558	7.5195	24.527	7.4366	402.90	4.7163	4.9297	10.6750

		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	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR
2021 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
Oct.		1.5455	6.5698	1.4383	7.4488	9.0563	149.80	87.1830	16,556.28
Nov.		1.5898	6.3762	1.4518	7.2395	8.8601	147.00	85.3274	16,277.55
Dec.		1.5615	6.3101	1.4393	7.1947	8.8333	147.60	84.2292	16,100.42
2022 Jan.		1.5820	6.0030	1.4233	7.0963	8.6994	143.20	83.3655	16,036.76
Feb.		1.5508	5.7828	1.4264	7.0670	8.7514	141.80	84.5540	16,100.72
Mar.		1.4829	5.3009	1.3896	7.0403	8.6918	142.00	84.1340	15,947.00
Apr.		1.4699	5.1608	1.3426	6.9441	8.2703	137.80	80.6380	15,301.52
May		1.4933	5.0965	1.3573	7.1402	8.4063	136.30	83.2310	15,580.15
June		1.5099	5.4229	1.3425	6.9624	8.1493	138.90	82.1130	15,552.00
July		1.4646	5.2739	1.3100	6.8705	8.0054	138.30	80.8820	15,155.56
Aug.		1.4591	5.1482	1.3111	6.8947	7.8488	141.70	79.5465	14,849.93
2022 Aug.	19	1.4584	5.2334	1.3062	6.8531	7.8877	140.50	80.2988	14,951.91
	22	1.4478	5.1752	1.2989	6.8457	7.8468	140.90	79.8615	14,895.47
	23	1.4437	5.0984	1.2928	6.7952	7.7900	140.10	79.2805	14,743.28
	24	1.4389	5.0606	1.2908	6.8220	7.7950	139.50	79.3006	14,757.60
	25	1.4306	5.0879	1.2881	6.8317	7.8234	140.30	79.6555	14,753.15
	26	1.4333	5.1069	1.2944	6.8671	7.8521	140.30	79.9025	14,825.57
	29	1.4529	5.0663	1.3026	6.9044	7.8368	141.10	79.8295	14,871.09
	30	1.4472	5.0286	1.3047	6.9233	7.8751	142.10	79.8025	14,875.00
	31	1.4591	5.1482	1.3111	6.8947	7.8488	141.70	79.5465	14,849.93
Sep.	1	1.4651	5.2239	1.3169	6.9017	7.8511	141.70	79.6195	14,878.00
	2	1.4671	5.2153	1.3131	6.9031	7.8439	141.50	79.8096	14,895.92
	5	1.4616	5.1407	1.3043	6.8768	7.7867	142.70	79.2332	14,782.83
	6	1.4651	5.1300	1.3029	6.9091	7.7932	141.90	79.2305	14,783.94
	7	1.4748	5.1881	1.3037	6.8968	7.7596	141.30	79.0280	14,779.47
	8	1.4824	5.2042	1.3134	6.9564	7.8568	140.30	79.7375	14,891.86
	9	1.4704	5.2087	1.3070	6.9543	7.8871	140.90	79.9685	14,905.33
	12	1.4749	5.1933	1.3194	7.0348	7.9709	140.90	80.6920	15,083.83
	13	1.4736	5.1764	1.3200	7.0467	7.9855	140.10	80.5453	15,099.17
	14	1.4873	5.1827	1.3177	6.9550	7.8405	139.70	79.4220	14,903.93

* 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 Philippine peso PHP		
2021 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		
Oct.	3.6670	132.62	1,362.92	4.8222	23.8048	1.6255	9.7495	58.654		
Nov.	3.5887	128.20	1,350.29	4.7753	24.5059	1.6644	10.2795	57.271		
Dec.	3.5159	130.38	1,346.38	4.7184	23.1438	1.6579	9.9888	57.763		
2022 Jan.	3.5640	128.79	1,349.08	4.6693	23.1856	1.6983	10.0085	56.985		
Feb.	3.6300	129.31	1,347.62	4.7019	22.9011	1.6628	9.9465	57.432		
Mar.	3.5243	135.17	1,347.37	4.6677	22.0903	1.6014	9.7110	57.514		
Apr.	3.4993	137.01	1,326.71	4.5886	21.4181	1.6119	9.7525	55.200		
May	3.5746	137.36	1,329.32	4.6907	20.9870	1.6459	10.0983	56.323		
June	3.6392	141.54	1,351.60	4.5781	20.9641	1.6705	10.3485	57.150		
July	3.4714	136.42	1,329.40	4.5386	20.6745	1.6283	9.8773	56.375		
Aug.	3.3399	138.72	1,342.79	4.4755	20.2044	1.6322	9.9388	56.153		
2022 Aug. 19	3.2879	137.67	1,343.39	4.5007	20.3273	1.6203	9.8418	56.325		
22	3.2778	137.08	1,344.21	4.4854	20.1583	1.6125	9.7719	56.218		
23	3.2598	136.34	1,332.10	4.4557	19.9152	1.6071	9.7438	55.661		
24	3.2599	135.74	1,332.84	4.4559	19.7781	1.6065	9.6360	55.700		
25	3.2791	136.07	1,331.98	4.4586	19.8132	1.6006	9.6400	55.842		
26	3.2537	137.02	1,333.46	4.4706	19.9240	1.6112	9.6670	56.109		
29	3.3146	138.49	1,347.47	4.4837	19.9876	1.6305	9.7675	56.187		
30	3.3168	138.71	1,350.92	4.4907	20.0077	1.6245	9.7553	56.393		
31	3.3399	138.72	1,342.79	4.4755	20.2044	1.6322	9.9388	56.153		
Sep. 1	3.3644	139.34	1,353.69	4.4828	20.1954	1.6389	10.0130	56.609		
2	3.3960	140.36	1,360.84	4.4809	20.1024	1.6394	10.0035	56.854		
5	3.3826	139.47	1,359.98	4.4563	19.8192	1.6289	9.9188	56.477		
6	3.3900	140.91	1,366.65	4.4676	19.8545	1.6313	9.8945	56.655		
7	3.4053	143.20	1,374.44	4.4497	19.9225	1.6459	9.9483	56.532		
8	3.4290	143.65	1,381.70	4.5051	20.0130	1.6491	10.0615	57.031		
9	3.4416	143.30	1,384.64	4.5200	19.9910	1.6463	9.9836	57.098		
12	3.4346	144.49	1,397.58	4.5733	20.1025	1.6499	9.9718	57.701		
13	3.4125	144.50	1,397.30	4.5869	20.1615	1.6555	9.9988	57.665		
14	3.4339	143.08	1,391.97	4.5225	20.0280	1.6675	10.1125	57.054		

Other European and non-European countries (cont'd)										
Period	Russian Federation Russian rouble RUB 1	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		
2021 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		
Oct.	82.3284	1.5676	17.7447	1.0611	38.720	11.1393	0.84490	1.1645		
Nov.	84.6123	1.5521	18.2269	1.0430	38.282	14.9342	0.85173	1.1363		
Dec.	85.3004	1.5279	18.0625	1.0331	37.653	15.2335	0.84028	1.1326		
2022 Jan.	86.7251	1.5110	17.3734	1.0404	37.144	14.9310	0.83153	1.1156		
Feb.	115.4842	1.5201	17.2863	1.0336	36.593	15.4532	0.83550	1.1199		
Mar.	–	1.5028	16.1727	1.0267	36.911	16.2823	0.84595	1.1101		
Apr.	–	1.4545	16.6473	1.0229	36.026	15.6385	0.83908	1.0540		
May	–	1.4687	16.7450	1.0281	36.751	17.5817	0.85138	1.0713		
June	–	1.4483	17.0143	0.9960	36.754	17.3220	0.85820	1.0387		
July	–	1.4088	16.8627	0.9744	36.978	18.2472	0.83990	1.0198		
Aug.	–	1.3969	17.0667	0.9796	36.450	18.1849	0.86035	1.0000		
2022 Aug. 19	–	1.3979	17.1007	0.9616	35.988	18.2028	0.84938	1.0054		
22	–	1.3958	17.0766	0.9580	36.099	18.1268	0.84658	1.0001		
23	–	1.3860	16.9568	0.9602	35.856	17.9830	0.84343	0.9927		
24	–	1.3857	16.8976	0.9576	35.906	18.0362	0.84283	0.9934		
25	–	1.3857	16.7903	0.9616	35.732	18.1120	0.84293	0.9970		
26	–	1.3906	16.7995	0.9642	36.035	18.1923	0.84590	1.0007		
29	–	1.3950	16.8891	0.9670	36.399	18.1605	0.85420	0.9986		
30	–	1.3997	16.8567	0.9741	36.494	18.2390	0.85645	1.0034		
31	–	1.3969	17.0667	0.9796	36.450	18.1849	0.86035	1.0000		
Sep. 1	–	1.4002	17.1524	0.9802	36.710	18.2149	0.86473	1.0004		
2	–	1.4013	17.2791	0.9839	36.624	18.2072	0.86478	0.9993		
5	–	1.3932	17.0880	0.9747	36.263	18.0792	0.86358	0.9920		
6	–	1.3947	17.0805	0.9745	36.242	18.0938	0.85743	0.9928		
7	–	1.3931	17.2582	0.9750	36.322	18.0262	0.86510	0.9885		
8	–	1.4054	17.3797	0.9739	36.418	18.2546	0.86656	1.0009		
9	–	1.4063	17.3753	0.9657	36.508	18.3282	0.86860	1.0049		
12	–	1.4168	17.3220	0.9667	36.873	18.5232	0.86778	1.0155		
13	–	1.4186	17.3112	0.9669	36.859	18.5640	0.86793	1.0175		
14	–	1.4039	17.4342	0.9612	36.608	18.2397	0.86498	0.9990		

* See Explanatory notes, p. 48. 1 The ECB has suspended the publication of the euro foreign exchange reference rate against the Russian rouble with effect from 2 March 2022.

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
2020	1.9558	7.5384	26.455	7.4542	351.25	4.4430	4.8383	10.4848
2021	1.9558	7.5284	25.640	7.4370	358.52	4.5652	4.9215	10.1465
2020 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
Oct.	1.9558	7.5135	25.496	7.4398	360.82	4.5909	4.9480	10.0557
Nov.	1.9558	7.5195	25.391	7.4373	364.50	4.6462	4.9494	10.0459
Dec.	1.9558	7.5201	25.246	7.4362	367.50	4.6137	4.9492	10.2726
2022 Jan.	1.9558	7.5247	24.470	7.4411	358.68	4.5522	4.9454	10.3579
Feb.	1.9558	7.5338	24.437	7.4408	356.97	4.5487	4.9458	10.5342
Mar.	1.9558	7.5711	25.007	7.4404	376.64	4.7522	4.9482	10.5463
Apr.	1.9558	7.5577	24.435	7.4391	374.87	4.6485	4.9442	10.3175
May	1.9558	7.5356	24.750	7.4405	384.45	4.6485	4.9460	10.4956
June	1.9558	7.5252	24.719	7.4392	396.66	4.6471	4.9444	10.6005
July	1.9558	7.5185	24.594	7.4426	404.10	4.7682	4.9396	10.5752
Aug.	1.9558	7.5138	24.568	7.4393	402.10	4.7233	4.8943	10.5021

Other European and non-European countries								
	Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia
	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR
2020	1.6549	5.8943	1.5300	7.8747	8.8587	154.59	84.6392	16,627.37
2021	1.5749	6.3779	1.4826	7.6282	9.1932	150.15	87.4392	16,920.72
2020 July	1.6304	6.0590	1.5481	8.0352	8.8854	158.49	85.8847	16,659.27
Aug.	1.6433	6.4381	1.5654	8.1954	9.1671	161.77	88.2309	17,402.53
Sep.	1.6307	6.3663	1.5586	8.0333	9.1393	162.69	86.7266	17,491.99
Oct.	1.6521	6.6170	1.5559	7.9225	9.1262	163.65	86.5891	17,348.27
Nov.	1.6266	6.4324	1.5472	7.8152	9.1775	161.90	87.8553	16,824.32
Dec.	1.6166	6.2658	1.5595	7.9602	9.4341	155.13	89.6081	17,226.83
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
Oct.	1.5669	6.4204	1.4436	7.4500	9.0257	149.66	86.9571	16,450.02
Nov.	1.5615	6.3434	1.4339	7.2927	8.8922	149.16	85.0038	16,298.12
Dec.	1.5781	6.3841	1.4463	7.1993	8.8155	147.15	85.1762	16,184.17
2022 Jan.	1.5770	6.2673	1.4282	7.1922	8.8166	146.09	84.2273	16,227.12
Feb.	1.5825	5.8903	1.4422	7.1957	8.8461	141.99	85.0312	16,271.78
Mar.	1.4946	5.4884	1.3950	6.9916	8.6199	143.39	83.9933	15,802.12
Apr.	1.4663	5.1342	1.3652	6.9605	8.4828	139.83	82.4033	15,566.64
May	1.4995	5.2460	1.3588	7.0830	8.3030	138.46	81.7828	15,422.62
June	1.5044	5.3209	1.3537	7.0734	8.2922	138.47	82.5112	15,531.74
July	1.4856	5.4718	1.3180	6.8538	7.9895	139.05	81.0182	15,258.22
Aug.	1.4550	5.2111	1.3078	6.8884	7.9473	140.12	80.5563	15,024.16

* 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)								
	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	Philippines
Period	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP
2020	3.9258	121.85	1,345.58	4.7959	24.5194	1.7561	10.7228	56.615
2021	3.8208	129.88	1,354.06	4.9015	23.9852	1.6724	10.1633	58.299
2020 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
Oct.	3.7292	131.21	1,371.23	4.8307	23.7308	1.6452	9.8143	58.835
Nov.	3.5588	130.12	1,351.74	4.7695	23.8113	1.6261	9.9661	57.473
Dec.	3.5426	128.80	1,338.49	4.7599	23.6159	1.6649	10.1308	56.917
2022 Jan.	3.5487	130.01	1,353.61	4.7405	23.1891	1.6789	10.0070	58.000
Feb.	3.6452	130.66	1,358.53	4.7492	23.1808	1.6982	10.0544	58.163
Mar.	3.5710	130.71	1,345.66	4.6277	22.6476	1.6049	9.7367	57.415
Apr.	3.5106	136.61	1,337.58	4.6208	21.7206	1.5978	9.6191	56.264
May	3.5758	136.24	1,340.10	4.6344	21.1861	1.6515	10.1453	55.421
June	3.6038	141.57	1,351.47	4.6496	21.1240	1.6640	10.2972	56.756
July	3.5309	139.17	1,332.00	4.5197	20.8955	1.6436	10.1823	56.917
Aug.	3.3408	136.85	1,337.90	4.5233	20.3909	1.6158	9.8309	56.542

Other European and non-European countries (cont'd)								
	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States
	Russian rouble RUB 1	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD
2020	82.7248	1.5742	18.7655	1.0705	35.708	8.0547	0.88970	1.1422
2021	87.1527	1.5891	17.4766	1.0811	37.837	10.5124	0.85960	1.1827
2020 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
Oct.	82.7727	1.5673	17.2300	1.0708	38.813	10.6809	0.84694	1.1601
Nov.	83.1111	1.5487	17.7055	1.0522	37.773	12.2361	0.84786	1.1414
Dec.	83.4913	1.5403	17.9331	1.0408	37.931	15.4045	0.84875	1.1304
2022 Jan.	86.5552	1.5286	17.5286	1.0401	37.607	15.3525	0.83503	1.1314
Feb.	88.8910	1.5274	17.2663	1.0461	37.014	15.4901	0.83787	1.1342
Mar.	-	1.4972	16.5138	1.0245	36.648	16.1233	0.83638	1.1019
Apr.	-	1.4775	16.2796	1.0211	36.559	15.9311	0.83655	1.0819
May	-	1.4621	16.8131	1.0355	36.392	16.5412	0.84969	1.0579
June	-	1.4624	16.6961	1.0245	36.928	17.9599	0.85759	1.0566
July	-	1.4211	17.1606	0.9876	37.028	17.7896	0.84955	1.0179
Aug.	-	1.4016	16.9182	0.9690	36.306	18.2701	0.84499	1.0128

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 The ECB has suspended

the publication of the euro foreign exchange reference rate against the Russian rouble with effect from 2 March 2022.

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

3. End-of-year rates and annual averages

EUR 1 = CU ...

Period	EU member countries								
	Bulgaria	Croatia	Czechia	Denmark	Estonia	Hungary	Latvia	Lithuania	Poland
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Estonian kroon EEK 1	Hungarian forint HUF	Latvian lats LVL 1	Lithuanian litas LTL 1	Polish zloty PLN
	End of year								
2008	1.9558	7.3555	26.875	7.4506	15.6466	266.70	0.708300	3.4528	4.1535
2009	1.9558	7.3000	26.473	7.4418	15.6466	270.42	0.709300	3.4528	4.1045
2010	1.9558	7.3830	25.061	7.4535	15.6466	277.95	0.709400	3.4528	3.9750
2011	1.9558	7.5370	25.787	7.4342	–	314.58	0.699500	3.4528	4.4580
2012	1.9558	7.5575	25.151	7.4610	–	292.30	0.697700	3.4528	4.0740
2013	1.9558	7.6265	27.427	7.4593	–	297.04	0.702804	3.4528	4.1543
2014	1.9558	7.6580	27.735	7.4453	–	315.54	–	3.4528	4.2732
2015	1.9558	7.6380	27.023	7.4626	–	315.98	–	–	4.2639
2016	1.9558	7.5597	27.021	7.4344	–	309.83	–	–	4.4103
2017	1.9558	7.4400	25.535	7.4449	–	310.33	–	–	4.1770
2018	1.9558	7.4125	25.724	7.4673	–	320.98	–	–	4.3014
2019	1.9558	7.4395	25.408	7.4715	–	330.53	–	–	4.2568
2020	1.9558	7.5519	26.242	7.4409	–	363.89	–	–	4.5597
2021	1.9558	7.5156	24.858	7.4364	–	369.19	–	–	4.5969
	Annual averages +								
2008	1.9558	7.2239	24.946	7.4560	15.6466	251.51	0.7027	3.4528	3.5121
2009	1.9558	7.3400	26.435	7.4462	15.6466	280.33	0.7057	3.4528	4.3276
2010	1.9558	7.2891	25.284	7.4473	15.6466	275.48	0.7087	3.4528	3.9947
2011	1.9558	7.4390	24.590	7.4506	–	279.37	0.7063	3.4528	4.1206
2012	1.9558	7.5217	25.149	7.4437	–	289.25	0.6973	3.4528	4.1847
2013	1.9558	7.5786	25.980	7.4579	–	296.87	0.7015	3.4528	4.1975
2014	1.9558	7.6344	27.536	7.4548	–	308.71	–	3.4528	4.1843
2015	1.9558	7.6137	27.279	7.4587	–	310.00	–	–	4.1841
2016	1.9558	7.5333	27.034	7.4452	–	311.44	–	–	4.3632
2017	1.9558	7.4637	26.326	7.4386	–	309.19	–	–	4.2570
2018	1.9558	7.4182	25.647	7.4532	–	318.89	–	–	4.2615
2019	1.9558	7.4180	25.670	7.4661	–	325.30	–	–	4.2976
2020	1.9558	7.5384	26.455	7.4542	–	351.25	–	–	4.4430
2021	1.9558	7.5284	25.640	7.4370	–	358.52	–	–	4.5652

Period	EU member countries (cont'd)			Other European and non-European countries					
	Romania	Slovakia	Sweden	Australia	Brazil	Canada	China	Hong Kong	Iceland
	Romanian leu RON	Slovak koruna SKK 1	Swedish krona SEK	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK 2
	End of year								
2008	4.0225	30.126	10.8700	2.0274	3.2436	1.6998	9.4956	10.7858	–
2009	4.2363	–	10.2520	1.6008	2.5113	1.5128	9.8350	11.1709	–
2010	4.2620	–	8.9655	1.3136	2.2177	1.3322	8.8220	10.3856	–
2011	4.3233	–	8.9120	1.2723	2.4159	1.3215	8.1588	10.0510	–
2012	4.4445	–	8.5820	1.2712	2.7036	1.3137	8.2207	10.2260	–
2013	4.4710	–	8.8591	1.5423	3.2576	1.4671	8.3491	10.6933	–
2014	4.4828	–	9.3930	1.4829	3.2207	1.4063	7.5358	9.4170	–
2015	4.5240	–	9.1895	1.4897	4.3117	1.5116	7.0608	8.4376	–
2016	4.5390	–	9.5525	1.4596	3.4305	1.4188	7.3202	8.1751	–
2017	4.6585	–	9.8438	1.5346	3.9729	1.5039	7.8044	9.3720	–
2018	4.6635	–	10.2548	1.6220	4.4440	1.5605	7.8751	8.9675	133.20
2019	4.7830	–	10.4468	1.5995	4.5157	1.4598	7.8205	8.7473	135.80
2020	4.8683	–	10.0343	1.5896	6.3735	1.5633	8.0225	9.5142	156.10
2021	4.9490	–	10.2503	1.5615	6.3101	1.4393	7.1947	8.8333	147.60
	Annual averages +								
2008	3.6826	31.262	9.6152	1.7416	2.6737	1.5594	10.2236	11.4541	143.83
2009	4.2399	–	10.6191	1.7727	2.7674	1.5850	9.5277	10.8114	–
2010	4.2122	–	9.5373	1.4423	2.3314	1.3651	8.9712	10.2994	–
2011	4.2391	–	9.0298	1.3484	2.3265	1.3761	8.9960	10.8362	–
2012	4.4593	–	8.7041	1.2407	2.5084	1.2842	8.1052	9.9663	–
2013	4.4190	–	8.6515	1.3777	2.8687	1.3684	8.1646	10.3016	–
2014	4.4437	–	9.0985	1.4719	3.1211	1.4661	8.1857	10.3025	–
2015	4.4454	–	9.3535	1.4777	3.7004	1.4186	6.9733	8.6014	–
2016	4.4904	–	9.4689	1.4883	3.8561	1.4659	7.3522	8.5922	–
2017	4.5688	–	9.6351	1.4732	3.6054	1.4647	7.6290	8.8045	–
2018	4.6540	–	10.2583	1.5797	4.3085	1.5294	7.8081	9.2559	127.89
2019	4.7453	–	10.5891	1.6109	4.4134	1.4855	7.7355	8.7715	137.28
2020	4.8383	–	10.4848	1.6549	5.8943	1.5300	7.8747	8.8587	154.59
2021	4.9215	–	10.1465	1.5749	6.3779	1.4826	7.6282	9.1932	150.15

* 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 The ECB did not fix euro foreign exchange reference rates for the Icelandic krona from 4 December 2008 to 31 January 2018.

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

3. End-of-year rates and annual averages (cont'd)

EUR 1 = CU ...

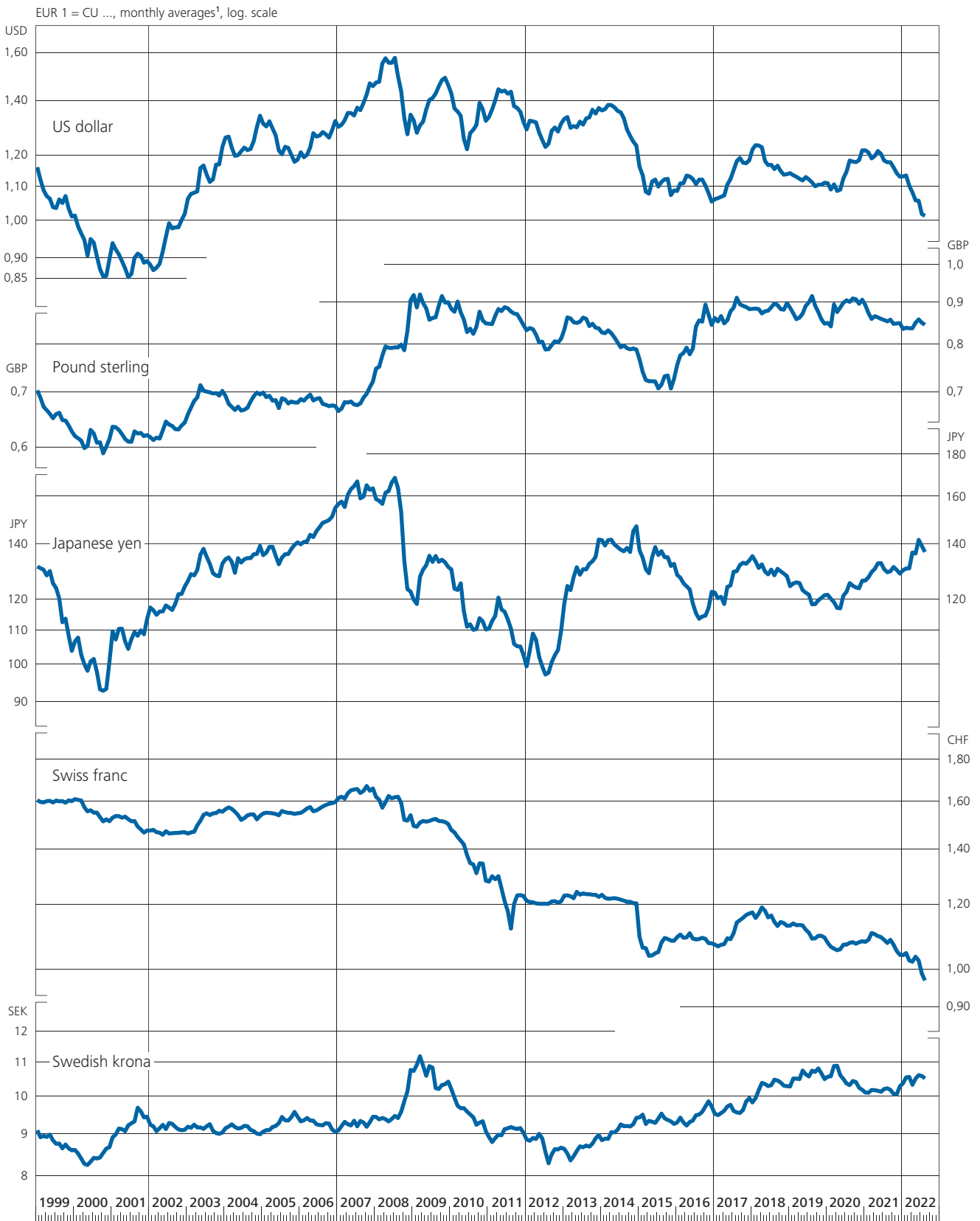
Other European and non-European countries (cont'd)									
India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	
Indian rupee INR 1	Indonesian rupiah IDR	New shekel ILS 2	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	
End of year									
2008	67.4370	15,239.12	5,2919	126.14	1,839.13	4,8048	19.2333	2.4191	9.7500
2009	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223	1.9803	8.3000
2010	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475	1.7200	7.8000
2011	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512	1.6737	7.7540
2012	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845	1.6045	7.3483
2013	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731	1.6762	8.3630
2014	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679	1.5525	9.0420
2015	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145	1.5923	9.6030
2016	71.5935	14,173.43	4.0477	123.40	1,269.36	4.7287	21.7719	1.5158	9.0863
2017	76.6055	16,239.12	4.1635	135.01	1,279.61	4.8536	23.6612	1.6850	9.8403
2018	79.7298	16,500.00	4.2972	125.85	1,277.93	4.7317	22.4921	1.7056	9.9483
2019	80.1870	15,595.60	3.8845	121.94	1,296.28	4.5953	21.2202	1.6653	9.8638
2020	89.6605	17,240.76	3.9447	126.49	1,336.00	4.9340	24.4160	1.6984	10.4703
2021	84.2292	16,100.42	3.5159	130.38	1,346.38	4.7184	23.1438	1.6579	9.9888
Annual averages +									
2008	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911	2.0770	8.2237
2009	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989	2.2121	8.7278
2010	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373	1.8377	8.0043
2011	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877	1.7600	7.7934
2012	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029	1.5867	7.4751
2013	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641	1.6206	7.8067
2014	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550	1.5995	8.3544
2015	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157	1.5930	8.9496
2016	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673	1.5886	9.2906
2017	73.5324	15,118.01	4.0622	126.71	1,276.74	4.8527	21.3286	1.5897	9.3270
2018	80.7332	16,803.22	4.2423	130.40	1,299.07	4.7634	22.7054	1.7065	9.5975
2019	78.8361	15,835.27	3.9901	122.01	1,305.32	4.6374	21.5565	1.6998	9.8511
2020	84.6392	16,627.37	3.9258	121.85	1,345.58	4.7959	24.5194	1.7561	10.7228
2021	87.4392	16,920.72	3.8208	129.88	1,354.06	4.9015	23.9852	1.6724	10.1633

Other European and non-European countries (cont'd)									
Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom	United States	
Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY 3	Pound sterling GBP	US dollar USD	
End of year									
2008	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2.1488	0.95250	1.3917
2009	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	0.88810	1.4406
2010	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	0.86075	1.3362
2011	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	0.83530	1.2939
2012	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	0.81610	1.3194
2013	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	0.83370	1.3791
2014	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	0.77890	1.2141
2015	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	0.73395	1.0887
2016	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	0.85618	1.0541
2017	59.795	69.3920	1.6024	14.8054	1.1702	39.121	4.5464	0.88723	1.1993
2018	60.113	79.7153	1.5591	16.4594	1.1269	37.052	6.0588	0.89453	1.1450
2019	56.900	69.9563	1.5111	15.7773	1.0854	33.415	6.6843	0.85080	1.1234
2020	59.125	91.4671	1.6218	18.0219	1.0802	36.727	9.1131	0.89903	1.2271
2021	57.763	85.3004	1.5279	18.0625	1.0331	37.653	15.2335	0.84028	1.1326
Annual averages +									
2008	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1.9064	0.79628	1.4708
2009	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	0.89094	1.3948
2010	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	0.85784	1.3257
2011	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	0.86788	1.3920
2012	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	0.81087	1.2848
2013	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	0.84926	1.3281
2014	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	0.80612	1.3285
2015	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	0.72584	1.1095
2016	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	0.81948	1.1069
2017	56.973	65.9383	1.5588	15.0490	1.1117	38.296	4.1206	0.87667	1.1297
2018	62.210	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	0.88471	1.1810
2019	57.985	72.4553	1.5273	16.1757	1.1124	34.757	6.3578	0.87777	1.1195
2020	56.615	82.7248	1.5742	18.7655	1.0705	35.708	8.0547	0.88970	1.1422
2021	58.299	87.1527	1.5891	17.4766	1.0811	37.837	10.5124	0.85960	1.1827

* See Explanatory notes, p. 48. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Up to December 2008, ECB indicative rates. 2 Up to December 2010, ECB indicative rates. 3 Up to end-2008, New Turkish lira.

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

4. Exchange rates of major currencies

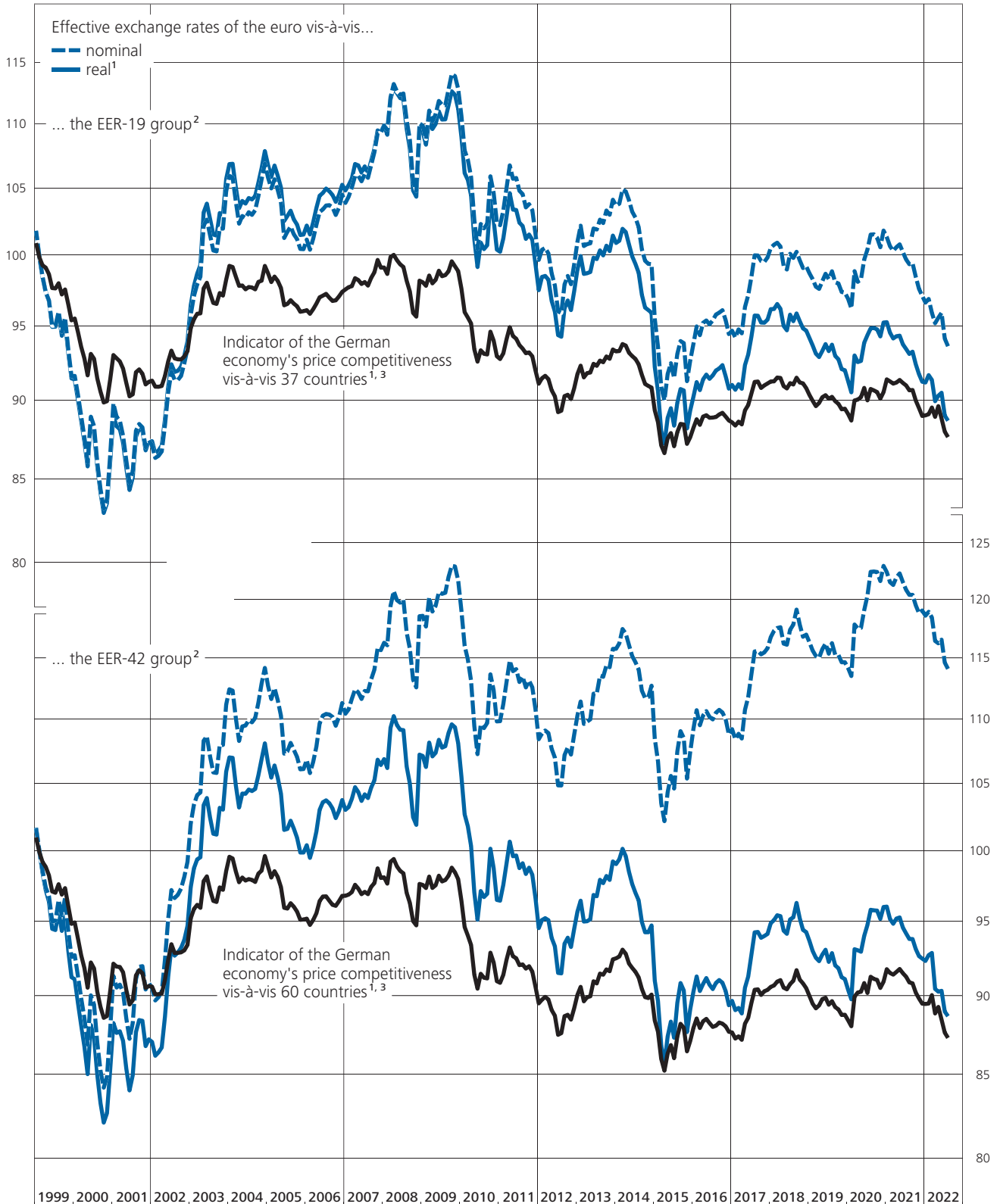


* See explanatory notes, p. 48. ¹ Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

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 2}		
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	96.2	96.6	96.0
2000	87.1	86.9	86.2	85.6	88.1	86.2	
2001	87.6	87.2	86.7	84.5	90.2	86.9	
2002	89.8	90.2	89.8	88.0	94.5	90.5	
2003	100.4	101.4	100.8	99.0	106.4	101.6	
2004	104.2	105.2	103.8	102.2	110.9	105.4	
2005	102.8	103.9	101.8	100.5	109.0	102.9	
2006	102.8	103.9	101.2	99.3	109.1	102.3	
2007	106.3	106.8	103.3	101.0	112.7	104.5	
2008	110.1	109.7	105.5	104.8	117.4	106.9	
2009	111.6	110.6	106.7	108.5	120.5	108.0	
2010	104.4	102.9	98.5	100.9	111.9	99.0	
2011	104.2	101.9	96.7	99.3	112.7	98.5	
2012	98.5	96.7	91.1	93.6	107.5	93.7	
2013	102.0	99.8	94.1	96.5	112.2	96.8	
2014	102.3	99.1	94.0	96.6	114.5	97.1	
2015	92.5	89.5	85.5	86.0	106.1	88.6	
2016	95.2	91.4	87.8	p 87.3	110.1	90.6	
2017	97.4	93.4	88.9	p 88.0	112.4	91.8	
2018	99.9	95.5	90.5	p 89.6	117.3	95.0	
2019	98.1	93.1	88.7	p 87.1	115.4	92.4	
2020	99.6	93.5	89.4	p 87.7	119.4	93.9	
2021	99.6	93.4	p 88.6	p 86.1	120.8	94.2	
2020 Sep.	101.5	94.9			122.4	95.7	
Oct.	101.3	94.8			122.4	95.7	
Nov.	100.6	94.3	90.5	p 87.9	121.6	95.1	
Dec.	101.8	95.2			122.9	96.0	
2021 Jan.	101.3	95.2			122.4	96.0	
Feb.	100.6	94.5	90.0	p 88.0	121.5	95.1	
Mar.	100.3	94.1			121.2	94.8	
Apr.	100.6	94.3			121.9	95.2	
May	100.8	94.3	89.3	p 86.4	122.3	95.2	
June	100.2	93.7			121.5	94.6	
July	99.7	93.4			120.8	94.2	
Aug.	99.3	93.1	p 88.7	p 85.7	120.4	93.8	
Sep.	99.4	93.2			120.4	93.8	
Oct.	98.4	92.4			119.5	93.1	
Nov.	97.6	91.7	p 86.5	p 84.3	118.8	92.6	
Dec.	97.1	91.2			119.0	92.4	
2022 Jan.	96.6	91.2			118.6	p 92.3	
Feb.	96.9	91.7	p 84.6	p 83.1	118.9	p 92.7	
Mar.	95.9	91.3			118.4	p 92.8	
Apr.	95.2	89.9			116.4	p 90.4	
May	95.6	90.3	...	...	116.2	p 90.3
June	95.9	90.5			116.5	p 90.3	
July	94.1	p 89.0			114.6	p 89.0	
Aug.	93.6	p 88.7	...	...	114.1	p 88.7
2022 Aug. 15	93.6	–	–	–	114.2	–	
16	93.4	–	–	–	113.9	–	
17	93.7	–	–	–	114.2	–	
18	93.8	–	–	–	114.3	–	
19	93.5	–	–	–	113.8	–	
22	93.3	–	–	–	113.6	–	
23	93.0	–	–	–	113.1	–	
24	92.9	–	–	–	113.0	–	
25	93.0	–	–	–	113.2	–	
26	93.3	–	–	–	113.5	–	
29	93.6	–	–	–	113.9	–	
30	93.9	–	–	–	114.1	–	
31	93.8	–	–	–	114.1	–	
Sep. 1	94.0	–	–	–	114.3	–	
2	94.0	–	–	–	114.4	–	
5	93.7	–	–	–	113.9	–	
6	93.7	–	–	–	113.9	–	
7	93.8	–	–	–	114.1	–	
8	94.3	–	–	–	114.7	–	
9	94.3	–	–	–	114.8	–	
12	94.8	–	–	–	115.4	–	
13	94.9	–	–	–	115.5	–	
14	94.2	–	–	–	114.6	–	

* 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. ² The ECB suspends the publication and calculation of the euro foreign exchange reference rate against Russian

rouble with effect from March 2, 2022 until further notice. For the calculation of effective exchange rates, an indicative rate is used for the Russian Federation from that date. It is calculated from the daily RUB/USD rates determined by the Bank of Russia in conjunction with the respective ECB's euro foreign exchange reference rate to the US dollar.

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 ^{2,3}
	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	92.0	97.5	85.5	91.2	93.1	99.0	86.1	92.3	91.2	
2001	91.7	96.6	86.1	90.5	93.0	98.1	86.9	91.7	91.0	
2002	92.4	95.7	88.5	91.1	93.5	96.9	89.4	92.2	91.9	
2003	95.9	94.8	97.6	95.3	97.0	95.7	99.0	96.7	96.8	
2004	96.2	93.6	100.0	95.6	98.5	95.4	102.8	98.2	98.4	
2005	94.8	92.0	98.8	93.3	98.4	95.2	103.1	97.1	96.7	
2006	93.6	90.4	98.2	91.6	98.6	94.8	104.0	96.7	96.0	
2007	94.5	89.6	102.0	92.0	100.9	95.1	109.6	98.3	97.3	
2008	94.9	88.4	105.1	91.3	102.4	94.5	114.6	98.4	97.5	
2009	95.2	89.2	104.7	92.0	101.9	94.4	113.5	98.6	97.9	
2010	92.5	88.7	98.2	88.2	98.8	94.0	105.7	94.3	92.5	
2011	92.1	88.5	97.6	87.4	98.2	93.7	104.7	93.5	91.9	
2012	90.1	88.3	92.5	84.7	95.9	93.2	99.5	90.5	88.9	
2013	92.3	88.8	97.5	86.6	98.1	93.3	105.2	92.3	90.9	
2014	92.9	89.6	97.7	87.4	98.2	93.6	104.7	92.5	91.5	
2015	89.8	90.3	88.9	83.6	94.4	94.1	94.4	87.8	86.9	
2016	90.7	90.7	90.4	84.9	95.0	94.1	96.1	88.8	88.1	
2017	91.9	90.9	93.3	85.7	96.3	94.3	99.1	89.9	88.9	
2018	93.2	91.0	96.4	86.7	97.7	94.4	102.4	91.2	90.8	
2019	92.2	91.2	93.5	85.8	96.4	94.3	99.2	89.9	89.4	
2020	92.4	91.5	93.6	86.5	96.4	94.2	99.5	90.1	90.2	
2021	93.5	92.0	95.7	86.9	97.4	94.8	100.9	90.7	91.0	
2019 Mar.					96.2	93.9	99.2	89.6	89.2	
Apr.					96.5	94.3	99.4	89.8	89.4	
May					96.7	94.5	99.7	90.2	89.8	
June	92.3	91.2	93.8	85.8	96.8	94.4	100.2	90.3	89.9	
July					96.7	94.4	99.8	90.1	89.4	
Aug.					96.5	94.3	99.4	90.2	89.6	
Sep.	92.2	91.3	93.4	86.0	96.2	94.4	98.4	89.9	89.2	
Oct.					96.1	94.4	98.5	89.8	89.1	
Nov.	91.9	91.3	92.7	85.7	95.9	94.4	97.9	89.4	88.7	
Dec.					95.9	94.4	97.8	89.5	88.8	
2020 Jan.					95.8	94.4	97.6	89.1	88.4	
Feb.	92.1	91.8	92.5	85.9	95.5	94.5	96.6	88.7	88.0	
Mar.					96.3	94.5	98.8	90.0	89.9	
Apr.					96.1	94.7	98.0	90.0	90.2	
May	92.0	91.9	91.9	86.4	96.3	94.8	98.2	90.2	90.2	
June					97.0	94.7	100.1	90.8	90.8	
July					96.0	93.4	99.7	90.0	90.2	
Aug.	92.4	91.0	94.2	86.6	97.0	94.1	101.0	90.7	91.2	
Sep.					96.8	94.0	100.9	90.6	91.1	
Oct.					96.7	93.8	100.7	90.5	91.0	
Nov.	93.1	91.4	95.6	86.9	96.5	93.7	100.5	90.1	90.5	
Dec.					97.0	93.6	101.8	90.5	90.9	
2021 Jan.					98.0	94.7	102.7	91.4	91.7	
Feb.	93.6	91.9	96.1	87.2	97.9	94.9	102.2	91.2	91.5	
Mar.					97.7	94.8	101.6	91.1	91.4	
Apr.					97.8	94.9	102.0	91.2	91.6	
May	93.6	91.7	96.3	86.9	98.1	95.0	102.4	91.3	91.8	
June					97.9	95.1	101.9	91.1	91.5	
July					97.7	95.2	101.1	91.0	91.2	
Aug.	93.6	92.0	95.8	86.9	97.4	95.1	100.5	90.7	90.9	
Sep.					97.3	95.0	100.6	90.7	90.8	
Oct.					96.7	94.6	99.4	90.0	90.2	
Nov.	93.4	92.5	94.7	86.4	96.2	94.4	98.5	89.5	89.8	
Dec.					95.8	94.1	97.8	89.0	89.5	
2022 Jan.					96.0	94.2	98.3	89.0	P 89.5	
Feb.	93.0	92.3	93.9	85.8	96.1	94.1	98.8	89.1	P 89.5	
Mar.					96.3	94.5	98.6	89.5	P 90.0	
Apr.					96.1	94.7	97.7	88.9	P 88.8	
May	P 92.5	P 92.2	93.0	P 85.3	96.6	95.3	98.1	89.6	P 89.3	
June					95.7	94.3	97.5	88.8	P 88.4	
July					P 94.9	P 94.2	P 95.5	P 88.0	P 87.6	
Aug.	...	...	...	...	P 94.4	P 93.9	P 94.9	P 87.6	P 87.3

* 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. ³ As of March 2022, for the Russian Federation a monthly average indicative rate is used. It is calculated from the daily RUB/USD rates determined by the Bank of Russia in conjunction with the respective ECB's euro foreign exchange reference rate to the US dollar.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Afghanistan							
Kabul	Afghani = 100 puls	B	USD 1 =	AFN 84.6650	AFN 87.6750	AFN 90.0494	AFN 88.1625
		S	USD 1 =	AFN 84.7650	AFN 87.7750	AFN 90.1494	AFN 88.2625
	AFN	B	EUR 1 =	AFN 98.5505	AFN 93.0825	AFN 91.5419	AFN 88.6169
S		EUR 1 =	AFN 98.8105	AFN 93.3425	AFN 91.8019	AFN 88.8769	
Albania							
Tirana	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 103.55	ALL 114.22	ALL 114.46	ALL 117.26
		M	EUR 1 =	ALL 122.44	ALL 119.13	ALL 116.78	ALL 117.19
Algeria							
Algiers	Algerian dinar = 100 centimes	B	USD 1 =	DZD 135.0950	DZD 146.4372	DZD 145.6235	DZD 140.2615
		S	USD 1 =	DZD 135.1100	DZD 146.4522	DZD 145.6385	DZD 140.2765
	DZD	B	EUR 1 =	DZD 159.7263	DZD 152.2361	DZD 148.5797	DZD 140.2896
		S	EUR 1 =	DZD 159.7809	DZD 152.2810	DZD 148.6532	DZD 140.3607
Angola							
Luanda	Kwanza = 100 cêntimos	B	USD 1 =	AOA .	AOA 421.9900	AOA 426.5310	AOA 422.6680
		S	USD 1 =	AOA .	AOA 434.4270	AOA 439.9980	AOA 436.1740
		M	USD 1 =	AOA 618.5901	AOA 428.2085	AOA 433.2645	AOA 429.4210
	AOA	B	EUR 1 =	AOA .	AOA 439.6290	AOA 433.4400	AOA 422.9220
		S	EUR 1 =	AOA .	AOA 452.6300	AOA 447.1700	AOA 436.4790
		M	EUR 1 =	AOA 731.6493	AOA 446.1295	AOA 440.3050	AOA 429.7005
Antigua und Barbuda							
St John's	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 3.1793	XCD 2.7922	XCD 2.7414	XCD 2.6882
		V, S	EUR 1 =	XCD 3.2133	XCD 2.8220	XCD 2.7707	XCD 2.7169
Argentina 1							
Buenos Aires	Argentine peso = 100 centavos	B	USD 1 =	ARS 94.9607	ARS 125.0300	ARS 131.0700	ARS 138.5300
		S	USD 1 =	ARS 95.1607	ARS 125.2300	ARS 131.2700	ARS 138.7300
	ARS	B	EUR 1 =	ARS 112.1389	ARS 130.8814	ARS 133.6521	ARS 139.1118
		S	EUR 1 =	ARS 112.6132	ARS 131.4038	ARS 134.1842	ARS 139.6595
Armenia							
Yerevan	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 502.79	AMD 407.21	AMD 407.71	AMD 404.56
		M	EUR 1 =	AMD 595.28	AMD 423.54	AMD 417.45	AMD 403.63
Aruba							
Oranjestad	Aruban florin = 100 cents	2 B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78
		2 S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80
	AWG	B	EUR 100 =	AWG 210.44	AWG 185.15	AWG 182.08	AWG 178.03
		S	EUR 100 =	AWG 212.56	AWG 187.01	AWG 183.91	AWG 179.82

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Australia							
Canberra	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7514	USD 0.6889	USD 0.7007	USD 0.6902
		M	AUD 1 =	EUR 0.6346	EUR 0.6589	EUR 0.6862	EUR 0.6875
Austria							
Vienna	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Azerbaijan							
Baku	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.7000	AZN 1.7000	AZN 1.7000	AZN 1.7000
		M	EUR 1 =	AZN 2.0116	AZN 1.7771	AZN 1.7361	AZN 1.7067
Bahamas							
Nassau	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 1.17679	BSD 1.03351	BSD 1.01470	BSD 0.99500
		V, S	EUR 1 =	BSD 1.19748	BSD 1.05168	BSD 1.03255	BSD 1.01250
Bahrain							
Manama	Bahraini dinar = 1,000 fils BHD	2 M	USD 1 =	BHD 0.376081	BHD 0.376081	BHD 0.376081	BHD 0.376081
		M	EUR 1 =	BHD 0.4436253	BHD 0.3928730	BHD 0.3838850	BHD 0.3769650
Bangladesh 1							
Dhaka	Taka = 100 poisha BDT	B	USD 1 =	BDT 85.1309	BDT 93.4500	BDT 94.7000	BDT 95.0000
		S	USD 1 =	BDT 85.1410	BDT 93.4500	BDT 94.7000	BDT 95.0000
		B	EUR 1 =	BDT 100.4158	BDT 97.5525	BDT 96.7645	BDT 95.1140
		S	EUR 1 =	BDT 100.4638	BDT 97.5898	BDT 96.8023	BDT 95.1520
Barbados							
Bridgetown	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 2.35384	BBD 2.07935	BBD 2.02370	BBD 1.99652
		S	EUR 1 =	BBD 2.39797	BBD 2.11834	BBD 2.06164	BBD 2.03395
Belarus							
Minsk	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.5377	BYN 2.5235	BYN 2.6170	BYN 2.5567
		M	EUR 1 =	BYN 3.0020	BYN 2.6630	BYN 2.6642	BYN 2.5613

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Belgium							
Brussels	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Belize							
Belmopan	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 2.3422	BZD 2.0658	BZD 2.0148	BZD 1.9867
		S	EUR 1 =	BZD 2.3835	BZD 2.1022	BZD 2.0504	BZD 2.0217
Benin ¹							
Porto-Novo Seat of government: Cotonou	CFA franc XOF	B	USD 1 =	XOF 551.75	XOF 624.00	XOF 637.00	XOF 652.25
		S	USD 1 =	XOF 558.75	XOF 631.00	XOF 644.00	XOF 659.25
		3	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Bermuda							
Hamilton	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 1.1780	BMD 1.0345	BMD 1.0157	BMD 0.9960
		V, S	EUR 1 =	BMD 1.1878	BMD 1.0432	BMD 1.0242	BMD 1.0043
Bhutan ¹							
Thimphu	Ngultrum = 100 chhetrum BTN	B	USD 1 =	BTN 72.7250	BTN 77.80	BTN 78.55	BTN 78.30
		S	USD 1 =	BTN 74.9833	BTN 80.20	BTN 81.00	BTN 80.70
		B	EUR 1 =	BTN 85.8208	BTN 81.70	BTN 79.70	BTN 78.45
		S	EUR 1 =	BTN 88.2042	BTN 83.95	BTN 81.90	BTN 80.60
Bolivia, Plurinational State of							
Sucre Seat of government: La Paz	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 8.1115	BOB 7.1255	BOB 6.9958	BOB 6.8600
		V, S	EUR 1 =	BOB 8.2297	BOB 7.2294	BOB 7.0978	BOB 6.9600
Bosnia and Herzegovina							
Sarajevo	Convertible marka = 100 feninga BAM	B	USD 1 =	BAM 1.652476	BAM 1.855035	BAM 1.927425	BAM 1.944330
		S	USD 1 =	BAM 1.660759	BAM 1.864333	BAM 1.937087	BAM 1.954076
		3	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone	Pula = 100 thebe BWP	B	BWP 1 =	USD 0.0899	USD 0.0805	USD 0.0798	USD 0.0780
		S	BWP 1 =	USD 0.0897	USD 0.0803	USD 0.0796	USD 0.0778
		B	BWP 1 =	EUR 0.0761	EUR 0.0774	EUR 0.0784	EUR 0.0779
		S	BWP 1 =	EUR 0.0759	EUR 0.0772	EUR 0.0783	EUR 0.0778

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Brazil							
Brasília	Brazilian real = 100 centavos	B	USD 1 =	BRL 5.3949	BRL 5.2374	BRL 5.1878	BRL 5.1784
		S	USD 1 =	BRL 5.3956	BRL 5.2380	BRL 5.1884	BRL 5.1790
	BRL	B	EUR 1 =	BRL 6.3727	BRL 5.4830	BRL 5.2910	BRL 5.2100
		S	EUR 1 =	BRL 6.3752	BRL 5.4842	BRL 5.2937	BRL 5.2127
Brunei Darussalam ¹							
Bandar Seri Begawan	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3349	BND 1.3798	BND 1.3714	BND 1.3890
		S	USD 1 =	BND 1.3524	BND 1.3968	BND 1.3887	BND 1.4060
	BND	B	EUR 1 =	BND 1.5607	BND 1.4350	BND 1.3816	BND 1.3765
		S	EUR 1 =	BND 1.6152	BND 1.4890	BND 1.4359	BND 1.4301
Bulgaria							
Sofia	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.65458	BGN 1.88296	BGN 1.91786	BGN 1.95583
		²	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
Burkina Faso ¹							
Ouagadougou	CFA franc	B	USD 1 =	XOF 551.75	XOF 624.00	XOF 637.00	XOF 652.25
		S	USD 1 =	XOF 558.75	XOF 631.00	XOF 644.00	XOF 659.25
	XOF	²	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Burundi							
Gitega	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,958.5533	BIF 2,013.2145	BIF 2,017.6200	BIF 2,023.0551
		S	USD 1 =	BIF 1,998.1200	BIF 2,053.8855	BIF 2,058.3800	BIF 2,063.9249
	BIF	B	EUR 1 =	BIF 2,313.7970	BIF 2,105.4197	BIF 2,060.9988	BIF 2,030.8438
		S	EUR 1 =	BIF 2,360.5404	BIF 2,147.9535	BIF 2,102.6352	BIF 2,071.8710
Cabo Verde							
Praia	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 93.355	CVE 104.74354	CVE 108.83498	CVE 109.79000
		S	USD 1 =	CVE 93.557	CVE 104.94554	CVE 109.03698	CVE 109.99200
	CVE	²	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265
Cambodia							
Phnom Penh	Riel = 100 sen KHR	M	USD 1 =	KHR 4,068	KHR 4,070	KHR 4,099	KHR 4,107
		B	EUR 1 =	KHR 4,804	KHR 4,250	KHR 4,177	KHR 4,117
	KHR	S	EUR 1 =	KHR 4,852	KHR 4,293	KHR 4,219	KHR 4,158
Cameroon ¹							
Yaoundé	CFA franc	B	USD 1 =	XAF 552.0688	XAF 620.8187	XAF 639.1489	XAF 652.1876
		S	USD 1 =	XAF 556.8834	XAF 621.9429	XAF 646.2519	XAF 657.5549
	XAF	²	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Canada							
Ottawa	Canadian dollar = 100 cents CAD	M	USD 1 =	CAD 1.2535	CAD 1.2886	CAD 1.2824	CAD 1.3111
		M	EUR 1 =	CAD 1.4798	CAD 1.3467	CAD 1.3072	CAD 1.3161

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Cayman Islands							
George Town	Cayman Islands dollar = 100 cents KYD	2	KYD 1 =	USD 1.20	USD 1.20	USD 1.20	USD 1.20
			V	EUR 1 =	KYD 0.9856	KYD 0.8656	KYD 0.8498	KYD 0.8333
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Central African Republic ¹							
Bangui	CFA franc XAF	B S	USD 1 =	XAF 552.0688	XAF 620.8187	XAF 639.1489	XAF 652.1876
			USD 1 =	XAF 556.8834	XAF 621.9429	XAF 646.2519	XAF 657.5549
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chad ¹							
N'Djaména	CFA franc XAF	B S	USD 1 =	XAF 552.0688	XAF 620.8187	XAF 639.1489	XAF 652.1876
			USD 1 =	XAF 556.8834	XAF 621.9429	XAF 646.2519	XAF 657.5549
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chile							
Santiago	Chilean peso = 100 centavos CLP	M	USD 1 =	CLP 759.27	CLP 919.97	CLP 911.42	CLP 882.11
		M	EUR 1 =	CLP 897.37	CLP 960.90	CLP 926.24	CLP 884.76
China							
Beijing	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.4515	CNY 6.7114	CNY 6.7437	CNY 6.8906
		M	EUR 1 =	CNY 7.6186	CNY 7.0084	CNY 6.8739	CNY 6.9224
		M	HKD 1 =	CNY 0.82956	CNY 0.85519	CNY 0.85908	CNY 0.87788
China (Taiwan)							
Taipei	New Taiwan dollar = 100 cents TWD	B S	USD 1 =	TWD 27.948	TWD 29.670	TWD 29.890	TWD 30.385
			USD 1 =	TWD 28.048	TWD 29.770	TWD 29.990	TWD 30.485
		B S	EUR 1 =	TWD 32.91	TWD 30.85	TWD 30.45	TWD 30.25
			EUR 1 =	TWD 33.31	TWD 31.25	TWD 30.85	TWD 30.65
Colombia							
Bogotá	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,745.89	COP 4,127.47	COP 4,375.51	COP 4,400.16
		V, M	EUR 1 =	COP 4,427.750	COP 4,287.203	COP 4,462.145	COP 4,400.160
Comoros							
Moroni	Comorian franc = 100 centimes KMF	V 3	USD 1 =	KMF 554.47610	KMF 473.63796	KMF 482.41591	KMF 491.96775
			EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
Congo ¹							
Brazzaville	CFA franc XAF	B S	USD 1 =	XAF 552.0688	XAF 620.8187	XAF 639.1489	XAF 652.1876
			USD 1 =	XAF 556.8834	XAF 621.9429	XAF 646.2519	XAF 657.5549
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957

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

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

IV. Overview of world currencies *

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

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Congo, Democratic Republic of the							
Kinshasa	Congo franc = 100 centimes	B	USD 1 =	CDF 1,949.9472	CDF 1,964.8507	CDF 1,965.1102	CDF 1,971.3973
		S	USD 1 =	CDF 2,029.5369	CDF 2,045.0487	CDF 2,045.3188	CDF 2,051.8625
	CDF	B	EUR 1 =	CDF 2,291.5890	CDF 2,083.0434	CDF 1,987.1512	CDF 1,964.6303
S		EUR 1 =	CDF 2,385.1233	CDF 2,168.0656	CDF 2,068.2594	CDF 2,044.8193	
Cook Islands ¹							
Avarua	Cook Islands dollar ² = 100 cents	B	NZD 1 =	EUR 0.6094	EUR 0.6065	EUR 0.6301	EUR 0.6240
		S	NZD 1 =	EUR 0.5865	EUR 0.5836	EUR 0.6064	EUR 0.6006
	NZD						
Costa Rica							
San José	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 619.28	CRC 684.76	CRC 667.61	CRC 646.07
		S	USD 1 =	CRC 625.65	CRC 692.25	CRC 675.02	CRC 653.86
	CRC	V, B	EUR 1 =	CRC 731.5009	CRC 711.2602	CRC 680.8287	CRC 646.0700
		V, S	EUR 1 =	CRC 739.0335	CRC 719.0401	CRC 688.3854	CRC 653.8600
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan	CFA franc	B	USD 1 =	XOF 551.75	XOF 624.00	XOF 637.00	XOF 652.25
		S	USD 1 =	XOF 558.75	XOF 631.00	XOF 644.00	XOF 659.25
	XOF	3	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Croatia							
Zagreb	Kuna = 100 lipa	B	USD 1 =	HRK 6.346188	HRK 7.141979	HRK 7.376954	HRK 7.458750
		S	USD 1 =	HRK 6.384379	HRK 7.184959	HRK 7.421348	HRK 7.503638
	HRK	B	EUR 1 =	HRK 7.501896	HRK 7.505506	HRK 7.488345	HRK 7.481127
		S	EUR 1 =	HRK 7.547043	HRK 7.550674	HRK 7.533411	HRK 7.526149
Cuba ¹							
Havana	Cuban peso = 100 centavos	4 5 M	USD 1 =	CUP 24.00	CUP 24.00	CUP 24.00	CUP 24.00
		5 M	EUR 1 =	CUP 28.3690	CUP 25.2648	CUP 24.4800	CUP 24.1296
	CUP	6 M	USD 1 =	CUP .	CUP .	CUP .	CUP 120.00 ¹
		6 M	EUR 1 =	CUP .	CUP .	CUP .	CUP 120.6480 ¹
Curaçao							
Willemstad	Netherlands Antillean guilder = 100 cents	4 B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		4 S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 210.45	ANG 185.16	ANG 182.08	ANG 178.03
S		EUR 100 =	ANG 214.69	ANG 188.89	ANG 185.75	ANG 181.62	
Cyprus							
Nicosia	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Czechia							
Prague	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 21.682	CZK 23.821	CZK 24.135	CZK 24.528
		M	EUR 1 =	CZK 25.648	CZK 24.740	CZK 24.610	CZK 24.545

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. ⁵ Rate for governmental transactions. ⁶ Rate for non-governmental transactions.

IV. Overview of world currencies *

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

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Denmark							
Copenhagen	Danish krone = 100 øre DKK	M	USD 100 =	DKK 629.18	DKK 716.20	DKK 729.93	DKK 743.71
		M	EUR 100 =	DKK 743.68	DKK 743.92	DKK 744.38	DKK 743.71
Djibouti							
Djibouti	Djibouti franc = 100 centimes DJF	2 B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
		2 S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 206.82	DJF 183.48	DJF 178.41	DJF 176.14
		S	EUR 1 =	DJF 215.43	DJF 190.64	DJF 187.23	DJF 183.02
Dominica							
Roseau	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 3.1793	XCD 2.7922	XCD 2.7414	XCD 2.6882
		V, S	EUR 1 =	XCD 3.2133	XCD 2.8220	XCD 2.7707	XCD 2.7169
Dominican Republic							
Santo Domingo	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 56.4066	DOP 54.0534	DOP 53.8997	DOP 52.4696
		S	USD 1 =	DOP 57.5248	DOP 55.2379	DOP 55.0952	DOP 54.0028
		B	EUR 1 =	DOP 65.9005	DOP 56.1653	DOP 54.3235	DOP 51.8483
		S	EUR 1 =	DOP 69.5595	DOP 59.7821	DOP 57.8516	DOP 55.4259
Egypt							
Cairo	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 15.63	EGP 18.76	EGP 18.91	EGP 19.18
		S	USD 1 =	EGP 15.73	EGP 18.82	EGP 18.97	EGP 19.24
		B	EUR 1 =	EGP 18.4380	EGP 19.4785	EGP 19.1880	EGP 19.1263
		S	EUR 1 =	EGP 18.6426	EGP 19.7008	EGP 19.4518	EGP 19.3535
El Salvador ¹							
San Salvador	El Salvador colón = 100 centavos SVC	2	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 10.3486	SVC 9.0886	SVC 8.9233	SVC 8.7500
Equatorial Guinea ¹							
Malabo	CFA franc XAF	B	USD 1 =	XAF 552.0688	XAF 620.8187	XAF 639.1489	XAF 652.1876
		S	USD 1 =	XAF 556.8834	XAF 621.9429	XAF 646.2519	XAF 657.5549
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara	Nakfa = 100 centes 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 17.7440	ERN 15.8775	ERN 15.1995	ERN 14.9760
		S	EUR 1 =	ERN 18.3802	ERN 16.5137	ERN 15.8357	ERN 15.6122
Estonia							
Tallinn	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Eswatini ¹							
Mbabane	Lilangeni = 100 cents	B	USD 1 =	SZL 14.9300	SZL 16.1889	SZL 16.3990	SZL 17.0500
		S	USD 1 =	SZL 14.9386	SZL 16.1951	SZL 16.4064	SZL 17.0572
	SZL	B	EUR 1 =	SZL 17.6211	SZL 16.9014	SZL 16.8035	SZL 17.0941
		S	EUR 1 =	SZL 17.6331	SZL 16.9133	SZL 16.8190	SZL 17.1016
Ethiopia							
Addis Ababa	Birr = 100 cents	B	USD 1 =	ETB 44.1351	ETB 51.9938	ETB 52.1427	ETB 52.4617
		S	USD 1 =	ETB 45.0178	ETB 53.0337	ETB 53.1856	ETB 53.5109
	ETB	B	EUR 1 =	ETB 52.0705	ETB 54.7339	ETB 52.9666	ETB 52.6401
		S	EUR 1 =	ETB 53.1119	ETB 55.8286	ETB 54.0259	ETB 53.6929
Falkland Islands (Islas Malvinas)							
Stanley	Falkland Islands pound ² = 100 pence	V	USD 1 =	FKP 0.72681	FKP 0.82623	FKP 0.82359	FKP 0.86035
	FKP	V	EUR 1 =	FKP 0.85960	FKP 0.85820	FKP 0.83990	FKP 0.86035
Fiji							
Suva	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4911	USD 0.4588	USD 0.4619	USD 0.4558
		S	FJD 1 =	USD 0.4741	USD 0.4418	USD 0.4449	USD 0.4388
	FJD	B	FJD 1 =	EUR 0.4137	EUR 0.4367	EUR 0.4502	EUR 0.4520
		S	FJD 1 =	EUR 0.4017	EUR 0.4247	EUR 0.4382	EUR 0.4400
Finland							
Helsinki	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
France							
Paris	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Gabon ¹							
Libreville	CFA franc	B	USD 1 =	XAF 552.0688	XAF 620.8187	XAF 639.1489	XAF 652.1876
		S	USD 1 =	XAF 556.8834	XAF 621.9429	XAF 646.2519	XAF 657.5549
	XAF	3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Gambia							
Banjul	Dalasi = 100 bututs GMD	M	USD 1 =	GMD 51.51	GMD 53.79	GMD 53.77	GMD 54.29
		M	EUR 1 =	GMD 60.85	GMD 57.57	GMD 56.85	GMD 56.71
Georgia							
Tbilisi	Lari = 100 tetri GEL	M	USD 1 =	GEL 3.2239	GEL 2.9289	GEL 2.7652	GEL 2.9045
		M	EUR 1 =	GEL 3.8152	GEL 3.0821	GEL 2.8299	GEL 2.9126

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Parity in relation to the pound sterling. ³ Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Germany							
Berlin	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Ghana							
Accra	Ghana cedi = 100 Ghana pesewas GHS	B S	USD 1 =	GHS 5.8147	GHS 7.2269	GHS 7.6082	GHS 8.2284
			USD 1 =	GHS 5.8206	GHS 7.2341	GHS 7.6158	GHS 8.2366
		B S	EUR 1 =	GHS 6.8619	GHS 7.5759	GHS 7.7619	GHS 8.2867
			EUR 1 =	GHS 6.8688	GHS 7.5835	GHS 7.7697	GHS 8.2950
Gibraltar							
Gibraltar	Gibraltar pound ² = 100 pence GIP	V V	USD 1 =	GIP 0.72681	GIP 0.82623	GIP 0.82359	GIP 0.86035
			EUR 1 =	GIP 0.85960	GIP 0.85820	GIP 0.83990	GIP 0.86035
Greece							
Athens	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Grenada							
St George's	East Caribbean dollar = 100 cents XCD	3 B 3 S	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
			USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B V, S	EUR 1 =	XCD 3.1793	XCD 2.7922	XCD 2.7414	XCD 2.6882
			EUR 1 =	XCD 3.2133	XCD 2.8220	XCD 2.7707	XCD 2.7169
Guatemala							
Guatemala City	Quetzal = 100 centavos GTQ	M V, M	USD 1 =	GTQ 7.73242	GTQ 7.75608	GTQ 7.73654	GTQ 7.73819
			EUR 1 =	GTQ 9.13640	GTQ 8.05624	GTQ 7.88972	GTQ 7.73819
Guinea							
Conakry	Guinean franc GNF	M M	USD 1 =	GNF 9,723.6035	GNF 8,639.0667	GNF 8,606.5243	GNF 8,593.5421
			EUR 1 =	GNF 11,495.2927	GNF 9,123.7180	GNF 8,711.5232	GNF 8,622.7609
Guinea-Bissau ¹							
Bissau	CFA franc XOF	B S	USD 1 =	XOF 551.75	XOF 624.00	XOF 637.00	XOF 652.25
			USD 1 =	XOF 558.75	XOF 631.00	XOF 644.00	XOF 659.25
		4	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Guyana							
Georgetown	Guyana dollar = 100 cents GYD	B S	USD 1 =	GYD 207.98	GYD 207.98	GYD 207.98	GYD 207.98
			USD 1 =	GYD 210.45	GYD 210.45	GYD 210.45	GYD 210.45
		B S	EUR 1 =	GYD 245.64	GYD 216.00	GYD 212.49	GYD 207.69
			EUR 1 =	GYD 248.77	GYD 218.79	GYD 215.23	GYD 210.37

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Haiti							
Port-au-Prince	Gourde = 100 centimes HTG	M	USD 1 =	HTG 89.8776	HTG 113.2073	HTG 116.3167	HTG 115.8895
		V, M	EUR 1 =	HTG 106.0149	HTG 117.5884	HTG 118.6198	HTG 115.8895
Honduras							
Tegucigalpa	Lempira = 100 centavos HNL	B	USD 1 =	HNL 24.0308	HNL 24.4124	HNL 24.4587	HNL 24.4886
		S	USD 1 =	HNL 24.1990	HNL 24.5833	HNL 24.6299	HNL 24.6110
		V, B	EUR 1 =	HNL 28.3919	HNL 25.3572	HNL 24.9430	HNL 24.4886
		V, S	EUR 1 =	HNL 28.5906	HNL 25.5347	HNL 25.1176	HNL 24.6110
Hong Kong							
Hong Kong	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.74263	HKD 7.81470	HKD 7.81910	HKD 7.81730
		S	USD 1 =	HKD 7.80440	HKD 7.87640	HKD 7.88080	HKD 7.87900
		B	EUR 1 =	HKD 9.11766	HKD 8.09850	HKD 7.94660	HKD 7.76410
		S	EUR 1 =	HKD 9.26113	HKD 8.24090	HKD 8.08880	HKD 7.90620
Hungary							
Budapest	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 303.29	HUF 379.99	HUF 395.42	HUF 405.88
		M	EUR 1 =	HUF 358.85	HUF 396.75	HUF 404.20	HUF 405.11
Iceland							
Reykjavík	Icelandic krona ISK	M	USD 1 =	ISK 126.865	ISK 133.72	ISK 135.61	ISK 141.70
		M	EUR 1 =	ISK 149.360	ISK 138.90	ISK 138.30	ISK 141.70
India 1							
New Delhi	Indian rupee = 100 paise INR	M	USD 1 =	INR 73.9236	INR 78.9421	INR 79.4203	INR 79.7194
		M	EUR 1 =	INR 87.2595	INR 82.5803	INR 81.1675	INR 79.7120
Indonesia							
Jakarta	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,244.17	IDR 14,773.76	IDR 14,883.21	IDR 14,800.63
		S	USD 1 =	IDR 14,387.33	IDR 14,922.24	IDR 15,032.79	IDR 14,949.38
		B	EUR 1 =	IDR 16,855.79	IDR 15,528.70	IDR 15,195.76	IDR 14,840.59
		S	EUR 1 =	IDR 17,029.16	IDR 15,690.74	IDR 15,349.98	IDR 14,992.73
Iran, Islamic Republic of 1							
Tehran	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 49,539	IRR 43,991	IRR 42,946	IRR 42,079
		3 M	USD 1 =	IRR 264,425	IRR 316,000	IRR 319,500	IRR 300,500
		3 M	EUR 1 =	IRR 311,408	IRR 330,150	IRR 326,700	IRR 301,850

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Iraq 1							
Baghdad	Iraqi dinar = 1,000 fils	2 B	USD 1 =	IQD 1,450.00	IQD 1,450.00	IQD 1,450.00	IQD 1,450.00
		2 S	USD 1 =	IQD 1,460.00	IQD 1,460.00	IQD 1,460.00	IQD 1,460.00
		B	EUR 1 =	IQD 1,716.752	IQD 1,506.115	IQD 1,467.690	IQD 1,450.000
		S	EUR 1 =	IQD 1,728.592	IQD 1,516.502	IQD 1,477.812	IQD 1,460.000
IQD	IQD	3 S	USD 1 =	IQD 1,472.492	IQD 1,479.442	IQD 1,478.747	IQD 1,473.715
		V, S	EUR 1 =	IQD 1,739.80	IQD 1,536.70	IQD 1,508.03	IQD 1,473.72
Ireland							
Dublin	Euro = 100 cent EUR		M EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Israel							
Jerusalem	New shekel = 100 agorot ILS		M USD 1 =	ILS 3.2293	ILS 3.5000	ILS 3.3910	ILS 3.3410
			M EUR 1 =	ILS 3.8217	ILS 3.6364	ILS 3.4710	ILS 3.3348
Italy							
Rome	Euro = 100 cent EUR		M EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Jamaica							
Kingston	Jamaican dollar = 100 cents JMD	B	USD 1 =	JMD 150.6347	JMD 150.0296	JMD 152.8882	JMD 149.7113
		S	USD 1 =	JMD 151.7728	JMD 151.3959	JMD 154.1970	JMD 151.5384
		B	EUR 1 =	JMD 173.5355	JMD 153.4536	JMD 149.5886	JMD 145.9619
		S	EUR 1 =	JMD 181.5006	JMD 162.1547	JMD 158.8878	JMD 153.5774
Japan							
Tokyo	Japanese yen = 100 sen JPY	B	USD 1 =	JPY 108.90	JPY 135.68	JPY 133.61	JPY 137.63
		S	USD 1 =	JPY 110.90	JPY 137.68	JPY 135.61	JPY 139.63
		B	EUR 1 =	JPY 128.84	JPY 141.17	JPY 135.75	JPY 137.53
		S	EUR 1 =	JPY 131.84	JPY 144.17	JPY 138.75	JPY 140.53
Jordan							
Amman	Jordanian dinar = 1,000 fils JOD	2 B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
		2 S	USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
		B	EUR 1 =	JOD 0.83394	JOD 0.73497	JOD 0.71834	JOD 0.70588
		S	EUR 1 =	JOD 0.84081	JOD 0.74323	JOD 0.72803	JOD 0.71320
Kazakhstan							
Nur-Sultan	Tenge = 100 tiyn KZT		M USD 1 =	KZT 426.17	KZT 465.08	KZT 477.09	KZT 468.10
			M EUR 1 =	KZT 503.87	KZT 488.75	KZT 486.73	KZT 466.27

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Kenya ¹							
Nairobi	Kenya shilling = 100 cents	B	USD 1 =	KES 109.7793	KES 117.7324	KES 118.7000	KES 119.9129
		S	USD 1 =	KES 109.9793	KES 117.9324	KES 118.9000	KES 120.1129
	KES	B	EUR 1 =	KES 129.5884	KES 123.8929	KES 120.5447	KES 119.9724
		S	EUR 1 =	KES 129.8556	KES 124.1476	KES 120.7882	KES 120.2106
Korea, Democratic People's Republic of ¹							
Pyongyang	North Korean won = 100 chon	B	USD 1 =	.	.	.	.
		S	USD 1 =	.	.	.	.
	KPW	B	EUR 1 =	.	.	.	.
		S	EUR 1 =	.	.	.	.
Korea, Republic of							
Seoul	South Korean won = 100 chon	B	USD 1 =	KRW 1,134.40	KRW 1,288.80	KRW 1,291.80	KRW 1,331.40
		S	USD 1 =	KRW 1,156.75	KRW 1,314.20	KRW 1,317.20	KRW 1,357.60
	KRW	B	EUR 1 =	KRW 1,340.63	KRW 1,340.03	KRW 1,319.87	KRW 1,328.27
		S	EUR 1 =	KRW 1,367.70	KRW 1,367.09	KRW 1,346.53	KRW 1,355.09
Kuwait							
Kuwait	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30033	KWD 0.30540	KWD 0.30560	KWD 0.30650
		S	USD 1 =	KWD 0.30393	KWD 0.30900	KWD 0.30920	KWD 0.31010
	KWD	B	EUR 1 =	KWD 0.354874	KWD 0.317891	KWD 0.310428	KWD 0.306377
		S	EUR 1 =	KWD 0.359128	KWD 0.321638	KWD 0.314085	KWD 0.309976
Kyrgyzstan							
Bishkek	Kyrgyz som = 100 tyjyn KGS	M	USD 1 =	KGS 84.6925	KGS 79.5000	KGS 83.1740	KGS 80.6990
		M	EUR 1 =	KGS 100.1818	KGS 83.5625	KGS 85.0205	KGS 80.8927
Lao People's Democratic Republic							
Vientiane	Kip	B	USD 1 =	LAK 9,812	LAK 15,004	LAK 15,066	LAK 15,406
		S	USD 1 =	LAK 9,831	LAK 15,034	LAK 15,096	LAK 15,437
	LAK	B	EUR 1 =	LAK 11,579	LAK 15,644	LAK 15,344	LAK 15,432
		S	EUR 1 =	LAK 11,644	LAK 15,759	LAK 15,457	LAK 15,546
Latvia							
Riga	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Lebanon ¹							
Beirut	Lebanese pound = 100 piastres	² M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50
		² M	EUR 1 =	LBP 1,784.25	LBP 1,572.02	LBP 1,540.36	LBP 1,514.13
	LBP	³ M	USD 1 =	LBP 17,817.00 ⁴	LBP 25,200.00	LBP 25,700.00	LBP 27,200.00
		V, M	EUR 1 =	LBP 20,625.24 ⁴	LBP 26,175.24	LBP 26,208.86	LBP 27,200.00

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. ³ Sayrafa market rate. ⁴ Average from July to December 2021.

IV. Overview of world currencies *

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

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Lesotho ¹							
Maseru	Loti = 100 lisente LSL	M	USD 1 =	LSL 14.9194	LSL 16.4264	LSL 16.6977	LSL 17.0310
		M	EUR 1 =	LSL 17.6004	LSL 17.0817	LSL 16.9632	LSL 17.0497
Liberia ¹							
Monrovia	Liberian dollar = 100 cents LRD	B	USD 1 =	LRD 164.6458	LRD 151.9841	LRD 152.5175	LRD 152.9931
		S	USD 1 =	LRD 166.1336	LRD 153.7470	LRD 154.2447	LRD 154.6583
		V, B V, S	EUR 1 = EUR 1 =	LRD 194.7908 LRD 196.5456	LRD 157.8659 LRD 159.6970	LRD 155.5373 LRD 157.2987	LRD 152.9931 LRD 154.6583
Libya							
Tripoli	Libyan dinar = 1,000 dirham LYD	B	USD 1 =	LYD 4.5088	LYD 4.8196	LYD 4.8493	LYD 4.9189
		S	USD 1 =	LYD 4.5314	LYD 4.8437	LYD 4.8736	LYD 4.9436
		B	EUR 1 =	LYD 5.3197	LYD 5.0432	LYD 4.9589	LYD 4.9327
		S	EUR 1 =	LYD 5.3464	LYD 5.0685	LYD 4.9838	LYD 4.9574
Lithuania							
Luxembourg	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Macao ¹							
Macao	Pataca = 100 avos MOP	B	USD 1 =	MOP 8.0001	MOP 8.0746	MOP 8.0780	MOP 8.0759
		S	USD 1 =	MOP 8.0263	MOP 8.1008	MOP 8.1042	MOP 8.1021
		B	EUR 1 =	MOP 9.4482	MOP 8.4358	MOP 8.2474	MOP 8.0715
		S	EUR 1 =	MOP 9.4897	MOP 8.4773	MOP 8.2889	MOP 8.1130
Madagascar							
Antananarivo	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,837.78	MGA 4,074.57	MGA 4,098.95	MGA 4,102.62
		M	EUR 1 =	MGA 4,529.18	MGA 4,260.54	MGA 4,176.69	MGA 4,084.35
Malawi							
Lilongwe	Malawi kwacha = 100 tambala MWK	B	USD 1 =	MWK 793.6108	MWK 1,016.6837	MWK 1,016.6837	MWK 1,016.6211
		S	USD 1 =	MWK 809.3864	MWK 1,036.1859	MWK 1,036.1859	MWK 1,036.2485
		B	EUR 1 =	MWK 937.3776	MWK 1,063.6545	MWK 1,040.9824	MWK 1,050.8893
		S	EUR 1 =	MWK 956.0102	MWK 1,084.0577	MWK 1,060.9508	MWK 1,071.1784
Malaysia							
Kuala Lumpur Seat of government: Putrajaya	Malaysian ringgit = 100 sen MYR	B	USD 1 =	MYR 4.0772	MYR 4.3246	MYR 4.3703	MYR 4.4074
		S	USD 1 =	MYR 4.2153	MYR 4.4814	MYR 4.5287	MYR 4.5616
		B	EUR 1 =	MYR 4.8162	MYR 4.4984	MYR 4.4389	MYR 4.3971
		S	EUR 1 =	MYR 4.9977	MYR 4.6951	MYR 4.6330	MYR 4.5766

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Maldives							
Malé	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.38	MVR 15.41	MVR 15.40	MVR 15.38
		V, M	EUR 1 =	MVR 18.16588	MVR 16.00637	MVR 15.70492	MVR 15.38000
Mali 1							
Bamako	CFA franc XOF	B	USD 1 =	XOF 551.75	XOF 624.00	XOF 637.00	XOF 652.25
		S	USD 1 =	XOF 558.75	XOF 631.00	XOF 644.00	XOF 659.25
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Malta							
Valletta	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Mauritania							
Nouakchott	Ouguiya MRU	B	USD 1 =	MRU 35.97	MRU 36.25	MRU 37.49	MRU 37.51
		S	USD 1 =	MRU 36.33	MRU 36.61	MRU 37.86	MRU 37.88
		B	EUR 1 =	MRU 42.51	MRU 37.71	MRU 37.97	MRU 37.43
		S	EUR 1 =	MRU 42.94	MRU 38.08	MRU 38.36	MRU 37.80
Mauritius							
Port Louis	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 41.2469	MUR 44.7343	MUR 44.6971	MUR 44.2400
		S	USD 1 =	MUR 42.1464	MUR 45.6336	MUR 45.5964	MUR 45.1393
		B	EUR 1 =	MUR 48.5562	MUR 46.6871	MUR 45.5726	MUR 44.3985
		S	EUR 1 =	MUR 49.8831	MUR 47.9713	MUR 46.8609	MUR 45.6635
Mexico							
Mexico City	Mexican peso = 100 centavos MXN	M	USD 1 =	MXN 20.30618	MXN 20.1353	MXN 20.3626	MXN 20.1432
		V, M	EUR 1 =	MXN 24.12793	MXN 20.9145	MXN 20.7658	MXN 20.1432
Moldova, Republic of							
Chisinau	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 17.67450	MDL 19.1216	MDL 19.3318	MDL 19.3609
		M	EUR 1 =	MDL 20.89660	MDL 20.1130	MDL 19.5831	MDL 19.3309
Mongolia							
Ulan Bator	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,849.38	MNT 3,134.10	MNT 3,168.09	MNT 3,200.22
		M	EUR 1 =	MNT 3,367.11	MNT 3,273.57	MNT 3,242.86	MNT 3,200.86
Morocco							
Rabat	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 8.9920	MAD 10.1539	MAD 10.2880	MAD 10.5834
		M	EUR 1 =	MAD 10.6331	MAD 10.5631	MAD 10.5164	MAD 10.5686

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Mozambique							
Maputo	Metical = 100 centavos	B S	USD 1 =	MZN 64.55	MZN 63.23	MZN 63.23	MZN 63.24
			USD 1 =	MZN 65.84	MZN 64.49	MZN 64.50	MZN 64.50
	MZN	B S	EUR 1 =	MZN 76.28	MZN 65.80	MZN 64.33	MZN 63.31
EUR 1 =			MZN 77.80	MZN 67.11	MZN 65.62	MZN 64.57	
Myanmar ¹							
Nay Pyi Taw	Kyat = 100 pyas MMK	M M	USD 1 =	MMK 1,630.93	MMK 1,850.00	MMK 1,850.00	MMK 2,100.00 ¹
			EUR 1 =	MMK 1,924.25	MMK 1,929.20	MMK 1,886.40	MMK 2,096.00
Namibia ¹							
Windhoek	Namibia dollar = 100 cents NAD	M M	USD 1 =	NAD 14.9336	NAD 16.2458	NAD 16.4558	NAD 16.8924
			EUR 1 =	NAD 17.6294	NAD 16.9874	NAD 16.8132	NAD 16.9606
Nepal							
Kathmandu	Nepalese rupee = 100 paisa	B S	USD 1 =	NPR 117.93	NPR 126.05	NPR 126.51	NPR 126.83
			USD 1 =	NPR 118.53	NPR 126.65	NPR 127.11	NPR 127.43
	NPR	B S	EUR 1 =	NPR 139.30	NPR 132.62	NPR 129.24	NPR 127.36
			EUR 1 =	NPR 140.01	NPR 133.25	NPR 129.85	NPR 127.97
Netherlands							
Amsterdam Seat of government: The Hague	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
New Caledonia ¹							
Nouméa	CFP franc XPF	V 2	XPF 1,000 =	USD 9.91	USD 8.70	USD 8.55	USD 8.38
			XPF 1,000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38
New Zealand							
Wellington	New Zealand dollar = 100 cents	B S	NZD 1 =	USD 0.7300	USD 0.6338	USD 0.6433	USD 0.6264
			NZD 1 =	USD 0.7026	USD 0.6099	USD 0.6192	USD 0.6029
	NZD	B S	NZD 1 =	EUR 0.6094	EUR 0.6065	EUR 0.6301	EUR 0.6240
			NZD 1 =	EUR 0.5865	EUR 0.5836	EUR 0.6064	EUR 0.6006
Nicaragua							
Managua	Córdoba = 100 centavos NIO	M V, M	USD 1 =	NIO 35.1991	NIO 35.8715	NIO 35.9319	NIO 35.9923
			EUR 1 =	NIO 41.58493	NIO 37.25973	NIO 36.64335	NIO 35.99230

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Niger ¹							
Niamey	CFA franc	B	USD 1 =	XOF 551.75	XOF 624.00	XOF 637.00	XOF 652.25
		S	USD 1 =	XOF 558.75	XOF 631.00	XOF 644.00	XOF 659.25
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Nigeria ¹							
Abuja	Naira = 100 kobo	B	USD 1 =	NGN 398.20	NGN 413.77	NGN 414.68	NGN 422.48
		S	USD 1 =	NGN 399.28	NGN 415.77	NGN 416.68	NGN 424.48
	B	EUR 1 =	NGN 470.0003	NGN 435.4929	NGN 422.3101	NGN 423.3250	
	S	EUR 1 =	NGN 472.1110	NGN 437.5979	NGN 424.3469	NGN 425.3290	
North Macedonia							
Skopje	North Macedonia denar = 100 deni	B	USD 1 =	MKD 51.8785	MKD 58.3689	MKD 60.4500	MKD 60.9782
		S	USD 1 =	MKD 52.3999	MKD 58.9555	MKD 61.0576	MKD 61.5910
	B	EUR 1 =	MKD 61.3252	MKD 61.3865	MKD 61.1875	MKD 61.1855	
	S	EUR 1 =	MKD 61.9416	MKD 62.0035	MKD 61.8025	MKD 61.8005	
Norway							
Oslo	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.5681	NOK 9.8963	NOK 9.6609	NOK 9.7622
		S	USD 1 =	NOK 8.6441	NOK 9.9723	NOK 9.7369	NOK 9.8382
	B	EUR 1 =	NOK 10.1309	NOK 10.3336	NOK 9.8916	NOK 9.7817	
	S	EUR 1 =	NOK 10.2159	NOK 10.4186	NOK 9.9766	NOK 9.8667	
Oman							
Muscat	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
	B	EUR 1 =	OMR 0.4530272	OMR 0.4013184	OMR 0.3919488	OMR 0.3853824	
	S	EUR 1 =	OMR 0.4543257	OMR 0.4024020	OMR 0.3930080	OMR 0.3865400	
Pakistan							
Islamabad	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 163.17	PKR 205.50	PKR 239.90	PKR 220.10
		S	USD 1 =	PKR 163.67	PKR 206.00	PKR 240.40	PKR 220.60
	B	EUR 1 =	PKR 193.17	PKR 215.23	PKR 245.57	PKR 221.26	
	S	EUR 1 =	PKR 193.76	PKR 215.75	PKR 246.08	PKR 221.76	
Panama ¹							
Panama City	Balboa = 100 centésimos PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1827	PAB 1.0387	PAB 1.0198	PAB 1.0000
Papua New Guinea							
Port Moresby	Kina = 100 toea	B	PGK 1 =	USD 0.2925	USD 0.2915	USD 0.2915	USD 0.2915
		S	PGK 1 =	USD 0.2775	USD 0.2765	USD 0.2765	USD 0.2765
	B	EUR 1 =	EUR 0.2418	EUR 0.2724	EUR 0.2791	EUR 0.2839	
	S	EUR 1 =	EUR 0.2268	EUR 0.2574	EUR 0.2641	EUR 0.2689	

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Paraguay							
Asunción	Guaraní = 100 céntimos	B S	USD 1 =	PYG 6,763.04	PYG 6,837.90	PYG 6,863.89	PYG 6,888.28
			USD 1 =	PYG 6,781.64	PYG 6,850.05	PYG 6,872.76	PYG 6,896.70
	PYG	V, B V, S	EUR 1 = EUR 1 =	PYG 7,993.68 PYG 8,015.16	PYG 7,102.53 PYG 7,115.15	PYG 6,999.80 PYG 7,008.84	PYG 6,888.28 PYG 6,896.70
Peru							
Lima	Sol = 100 céntimos	B S	USD 1 =	PEN 3.879	PEN 3.820	PEN 3.916	PEN 3.839
			USD 1 =	PEN 3.886	PEN 3.830	PEN 3.925	PEN 3.847
	PEN	B S	EUR 1 =	PEN 4.517	PEN 3.982	PEN 3.830	PEN 3.716
			EUR 1 =	PEN 4.782	PEN 4.179	PEN 4.327	PEN 4.259
Philippines							
Manila	Philippine peso = 100 centavos	B S	USD 1 =	PHP 49.00	PHP 54.80	PHP 55.10	PHP 55.90
			USD 1 =	PHP 49.50	PHP 55.30	PHP 55.60	PHP 56.40
	PHP	B S	EUR 1 =	PHP 55.9728	PHP 55.7214	PHP 54.7237	PHP 54.6219
			EUR 1 =	PHP 60.0324	PHP 58.9158	PHP 57.8503	PHP 57.7289
Poland							
Warsaw	Polish zloty = 100 groszy PLN	M M	USD 1 =	PLN 3.8647	PLN 4.4825	PLN 4.6365	PLN 4.7360
			EUR 1 =	PLN 4.5775	PLN 4.6806	PLN 4.7399	PLN 4.7265
Portugal							
Lisbon	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Qatar							
Doha	Qatari riyal = 100 dirham QAR	2 V, M	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
			EUR 1 =	QAR 4.3009	QAR 3.7809	QAR 3.7121	QAR 3.6400
Romania							
Bucharest	Romanian leu = 100 bani RON	M M	USD 1 =	RON 4.1630	RON 4.7424	RON 4.8412	RON 4.8707
			EUR 1 =	RON 4.9244	RON 4.9454	RON 4.9351	RON 4.8605
Russian Federation							
Moscow	Russian rouble = 100 kopecks RUB	M M	USD 1 =	RUB 73.6685	RUB 51.1580	RUB 61.3101	RUB 60.3677
			EUR 1 =	RUB 87.2582	RUB 53.8580 ³	RUB 62.5695 ³	RUB 60.5752 ³

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 Indicative rate; according to the Bank of Russia, calculated on the basis of their established official RUB/USD rates and USD/EUR market rates.

IV. Overview of world currencies *

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

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Rwanda							
Kigali	Rwanda franc = 100 centimes	B	USD 1 =	RWF 979.780622	RWF 1,014.340030	RWF 1,018.635688	RWF 1,024.481588
		S	USD 1 =	RWF 999.374255	RWF 1,034.624782	RWF 1,039.006344	RWF 1,044.969150
	RWF	B	EUR 1 =	RWF 1,158.76928	RWF 1,060.44179	RWF 1,040.12890	RWF 1,028.62357
		S	EUR 1 =	RWF 1,181.94233	RWF 1,081.64848	RWF 1,060.92938	RWF 1,049.19396
Saint Helena, Ascension and Tristan da Cunha							
Jamestown	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.72681	SHP 0.82623	SHP 0.82359	SHP 0.86035
		V	EUR 1 =	SHP 0.85960	SHP 0.85820	SHP 0.83990	SHP 0.86035
Saint Kitts and Nevis							
Basseterre	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 3.1793	XCD 2.7922	XCD 2.7414	XCD 2.6882
		V, S	EUR 1 =	XCD 3.2133	XCD 2.8220	XCD 2.7707	XCD 2.7169
Saint Lucia							
Castries	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 3.1793	XCD 2.7922	XCD 2.7414	XCD 2.6882
		V, S	EUR 1 =	XCD 3.2133	XCD 2.8220	XCD 2.7707	XCD 2.7169
Saint Vincent and the Grenadines							
Kingstown	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 3.1793	XCD 2.7922	XCD 2.7414	XCD 2.6882
		V, S	EUR 1 =	XCD 3.2133	XCD 2.8220	XCD 2.7707	XCD 2.7169
Samoa							
Apia	Tala = 100 sene WST	M	WST 1 =	USD 0.39108	USD 0.36880	USD 0.37106	USD 0.36724
		M	WST 1 =	EUR 0.33107	EUR 0.35329	EUR 0.36432	EUR 0.36616
Sao Tome and Principe							
São Tomé	Dobra = 100 cêntimos	B	USD 1 =	STN 20.7642	STN 23.2956	STN 24.2047	STN 24.4170
		S	USD 1 =	STN 21.0757	STN 23.6451	STN 24.5678	STN 24.7832
	STN	4	EUR 1 =	STN 24.5000	STN 24.5000	STN 24.5000	STN 24.5000
Saudi Arabia							
Riyadh	Saudi riyal = 100 halalah SAR	3 M	USD 1 =	SAR 3.75	SAR 3.75	SAR 3.75	SAR 3.75
		V, M	EUR 1 =	SAR 4.43566	SAR 3.89513	SAR 3.82425	SAR 3.75000

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Senegal ¹							
Dakar	CFA franc	B	USD 1 =	XOF 551.75	XOF 624.00	XOF 637.00	XOF 652.25
		S	USD 1 =	XOF 558.75	XOF 631.00	XOF 644.00	XOF 659.25
	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
Serbia							
Belgrade	Serbian dinar = 100 para	B	USD 1 =	RSD 99.1383	RSD 111.9270	RSD 114.5724	RSD 116.5155
		S	USD 1 =	RSD 99.7349	RSD 112.6006	RSD 115.2620	RSD 117.2167
	B	EUR 1 =	RSD 117.2203	RSD 117.0533	RSD 117.0128	RSD 117.0165	
	S	EUR 1 =	RSD 117.9257	RSD 117.7577	RSD 117.7170	RSD 117.7207	
Seychelles							
Victoria	Seychelles rupee = 100 cents	B	USD 1 =	SCR 16.2706	SCR 13.7341	SCR 13.6848	SCR 13.9246
		S	USD 1 =	SCR 16.9477	SCR 14.1013	SCR 14.3788	SCR 14.4618
	B	EUR 1 =	SCR 19.1849	SCR 14.3261	SCR 14.2127	SCR 14.0841	
	S	EUR 1 =	SCR 20.0962	SCR 15.1468	SCR 14.7317	SCR 14.6217	
Sierra Leone ¹							
Freetown	Leone = 100 cents	B	USD 1 =	SLL 10,373.56	SLL 13,021.62	SLE 13.8100	SLE 14.0796
		S	USD 1 =	SLL 10,585.67	SLL 13,284.68	SLE 13.9500	SLE 14.2211
	B	EUR 1 =	SLL 12,252.77	SLL 13,689.88	SLE 14.1300	SLE 14.1075	
	S	EUR 1 =	SLL 12,496.53	SLL 13,968.44	SLE 14.2700	SLE 14.2431	
Singapore ¹							
Singapore	Singapore dollar = 100 cents	M	USD 1 =	SGD 1.3433	SGD 1.3918	SGD 1.3785	SGD 1.3950
		M	EUR 1 =	SGD 1.5871	SGD 1.4547	SGD 1.4079	SGD 1.3996
Sint Maarten (southern part)							
Philipsburg	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 210.45	ANG 185.16	ANG 182.08	ANG 178.03	
	ANG	S	EUR 100 =	ANG 214.69	ANG 188.89	ANG 185.75	ANG 181.62
Slovakia							
Bratislava	Euro = 100 cent		EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
	EUR						
Slovenia							
Ljubljana	Euro = 100 cent		EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
	EUR						
Solomon Islands							
Honiara	Solomon Islands dollar = 100 cents	M	SBD 1 =	USD 0.1245	USD 0.1222	USD 0.1213	USD 0.1210
		M	SBD 1 =	EUR 0.10541	EUR 0.11620	EUR 0.11920	EUR 0.12100
	SBD						

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Somalia ¹							
Mogadishu	Somali shilling	M	USD 1 =	SOS .	SOS .	SOS .	SOS .
	SOS	M	EUR 1 =	SOS .	SOS .	SOS .	SOS .
South Africa							
Pretoria Seat of parliament: Cape Town	South African rand = 100 cents	B	USD 1 =	ZAR 14.6003	ZAR 16.2339	ZAR 16.4035	ZAR 16.8696
		S	USD 1 =	ZAR 14.9228	ZAR 16.5982	ZAR 16.7700	ZAR 17.2379
	ZAR	B	EUR 1 =	ZAR 17.3023	ZAR 16.7907	ZAR 16.5427	ZAR 16.7571
		S	EUR 1 =	ZAR 17.7763	ZAR 17.4005	ZAR 17.1478	ZAR 17.3653
South Sudan							
Juba	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 317.0607	SSP 499.6742	SSP 628.2760	SSP 652.0199
	SSP	M	EUR 1 =	SSP 372.1906	SSP 525.4081	SSP 641.0309	SSP 649.7719
Spain							
Madrid	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0387	USD 1.0198	USD 1.0000
Sri Lanka							
Colombo	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 196.9317	LKR 355.7601	LKR 357.1697	LKR 357.5571
		S	USD 1 =	LKR 201.6169	LKR 367.1246	LKR 368.4121	LKR 368.9007
	LKR	B	EUR 1 =	LKR 232.1963	LKR 370.4145	LKR 362.5223	LKR 356.2636
		S	EUR 1 =	LKR 239.8119	LKR 385.1851	LKR 377.2409	LKR 371.6946
Sudan							
Khartoum	Sudanese pound = 100 piastres	B	USD 1 =	SDG 392.3129	SDG 568.0000	SDG 567.0000	SDG 573.5625
		S	USD 1 =	SDG 395.0050	SDG 572.2600	SDG 571.2525	SDG 579.3125
	SDG	B	EUR 1 =	SDG 461.9386	SDG 593.5032	SDG 574.2009	SDG 574.2991
		S	EUR 1 =	SDG 465.1035	SDG 597.9545	SDG 578.5074	SDG 581.5139
Suriname							
Paramaribo	Suriname dollar = 100 cents	B	USD 1 =	SRD 19.085	SRD 22.733	SRD 23.658	SRD 25.492
		S	USD 1 =	SRD 19.411	SRD 22.925	SRD 24.896	SRD 25.743
	SRD	B	EUR 1 =	SRD 22.182	SRD 23.479	SRD 24.581	SRD 24.985
		S	EUR 1 =	SRD 22.664	SRD 23.969	SRD 24.693	SRD 25.568
Sweden							
Stockholm	Swedish krona = 100 öre	B	USD 1 =	SEK 8.5290	SEK 10.1669	SEK 10.0837	SEK 10.6161
		S	USD 1 =	SEK 8.6340	SEK 10.2719	SEK 10.1887	SEK 10.7211
	SEK	B	EUR 1 =	SEK 10.0942	SEK 10.6226	SEK 10.3208	SEK 10.6248
		S	EUR 1 =	SEK 10.2092	SEK 10.7376	SEK 10.4358	SEK 10.7398

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	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Switzerland							
Berne	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9143	CHF 0.9557	CHF 0.9526	CHF 0.9771
		B	EUR 1 =	CHF 1.0798	CHF 0.9978	CHF 0.9737	CHF 0.9753
Syrian Arab Republic ¹							
Damascus	Syrian pound = 100 piastres SYP	2 B	USD 1 =	SYP 2,187.50	SYP 2,800.00	SYP 2,800.00	SYP 2,800.00
		2 B	USD 1 =	SYP 2,209.25	SYP 2,828.00	SYP 2,828.00	SYP 2,828.00
		2 B	EUR 1 =	SYP 2,574.25	SYP 2,920.00	3 SYP 2,863.00	SYP 2,799.00
		2 B	EUR 1 =	SYP 2,599.99	SYP 2,949.20	3 SYP 2,891.63	SYP 2,826.99
Tajikistan							
Dushanbe	Somoni = 100 diram TJS	M	USD 1 =	TJS 11.3083	TJS 10.5578	TJS 10.2664	TJS 10.2492
		M	EUR 1 =	TJS 13.3782	TJS 11.0730	TJS 10.4574	TJS 10.2769
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,286.3493	TZS 2,292.7327	TZS 2,293.0000	TZS 2,293.6436
		S	USD 1 =	TZS 2,309.2125	TZS 2,315.6600	TZS 2,315.9300	TZS 2,316.5800
		B	EUR 1 =	TZS 2,701.4482	TZS 2,421.8135	TZS 2,328.3122	TZS 2,301.2126
		S	EUR 1 =	TZS 2,729.2322	TZS 2,446.4948	TZS 2,352.0585	TZS 2,325.1513
Thailand							
Bangkok	Thai baht = 100 satang THB	B	USD 1 =	THB 31.8272	THB 35.1302	THB 36.6433	THB 36.3165
		S	USD 1 =	THB 32.1710	THB 35.4638	THB 36.9776	THB 36.6404
		B	EUR 1 =	THB 37.5324	THB 36.4972	THB 36.9664	THB 36.2063
		S	EUR 1 =	THB 38.3022	THB 37.2433	THB 37.7074	THB 36.9534
Togo ¹							
Lomé	CFA franc XOF	B	USD 1 =	XOF 551.75	XOF 624.00	XOF 637.00	XOF 652.25
		S	USD 1 =	XOF 558.75	XOF 631.00	XOF 644.00	XOF 659.25
		4	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Tonga							
Nuku'alofa	Pa'anga = 100 seniti TOP	M	TOP 1 =	USD 0.4416	USD 0.4263	USD 0.4282	USD 0.4244
		M	TOP 1 =	EUR 0.3731	EUR 0.4072	EUR 0.4190	EUR 0.4224
Trinidad and Tobago							
Port-of-Spain	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7168	TTD 6.7311	TTD 6.7274	TTD 6.6620
		S	USD 1 =	TTD 6.7684	TTD 6.7750	TTD 6.7691	TTD 6.7789
		B	EUR 1 =	TTD 7.9996	TTD 6.9939	TTD 7.1277	TTD 6.8271
		S	EUR 1 =	TTD 8.5618	TTD 7.5203	TTD 7.3762	TTD 7.1973

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 Bank rate. ³ Exchange rate as of 3 July 2022. ⁴ Value against the euro.

IV. Overview of world currencies *

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

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Tunisia							
Tunis	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 2.7782	TND 3.0928	TND 3.1227	TND 3.2022
		S	USD 1 =	TND 2.7810	TND 3.0958	TND 3.1258	TND 3.2055
	TND	B	EUR 1 =	TND 3.2860	TND 3.2251	TND 3.1970	TND 3.1952
		S	EUR 1 =	TND 3.2892	TND 3.2283	TND 3.2002	TND 3.1983
Turkey							
Ankara	Turkish lira = 100 kuruş	B	USD 1 =	TRY 8.8869	TRY 16.6690	TRY 17.9044	TRY 18.1648
		S	USD 1 =	TRY 8.9029	TRY 16.6991	TRY 17.9367	TRY 18.1975
	TRY	B	EUR 1 =	TRY 10.6978	TRY 17.5221	TRY 18.2176	TRY 18.0933
		S	EUR 1 =	TRY 10.7171	TRY 17.5536	TRY 18.2504	TRY 18.1259
Turkmenistan ¹							
Ashgabat	Turkmen manat = 100 tenge	2	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 4.1413	TMT 3.6799	TMT 3.5683	TMT 3.5144
Uganda							
Kampala	Uganda shilling	B	USD 1 =	UGX 3,577.15	UGX 3,754.35	UGX 3,863.26	UGX 3,805.74
		S	USD 1 =	UGX 3,587.15	UGX 3,764.35	UGX 3,873.26	UGX 3,815.74
	UGX	B	EUR 1 =	UGX 4,224.32	UGX 3,948.21	UGX 3,910.18	UGX 3,811.46
		S	EUR 1 =	UGX 4,236.12	UGX 3,958.72	UGX 3,920.30	UGX 3,821.47
Ukraine ¹							
Kyiv	Hryvnia = 100 kopyok	M	USD 1 =	UAH 27.2680	UAH 29.2549	UAH 36.5686 ¹	UAH 36.5686
		M	EUR 1 =	UAH 32.2611	UAH 30.7776	UAH 36.9965	UAH 36.6564
United Arab Emirates ¹							
Abu Dhabi	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 4.3436	AED 3.8146	AED 3.7452	AED 3.6725
United Kingdom ¹							
London	Pound sterling = 100 pence	M	GBP 1 =	USD 1.3757	USD 1.2143	USD 1.2162	USD 1.1638
		M	EUR 1 =	GBP 0.8581	GBP 0.8607	GBP 0.8383	GBP 0.8640
United States							
Washington	US dollar = 100 cents	M	EUR 1 =	USD 1.17966	USD 1.0482	USD 1.0218	USD 1.0057
		M	GBP 1 =	USD 1.37555	USD 1.2175	USD 1.2166	USD 1.1622
	USD						

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

IV. Overview of world currencies *

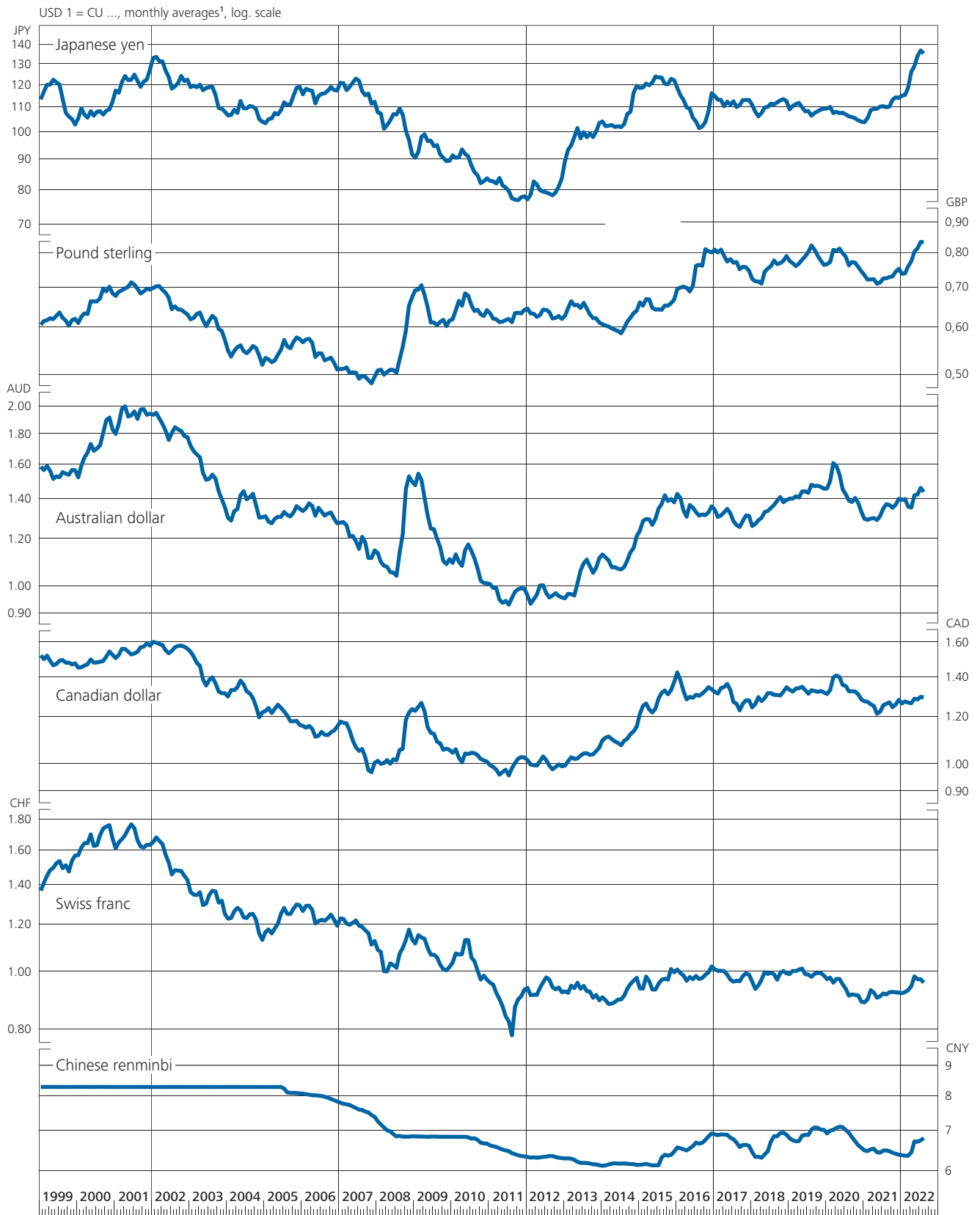
1. Currencies and exchange rates in individual countries (cont'd)

Country 1 Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					June 2022	July 2022	August 2022
Uruguay							
Montevideo	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 43.574	UYU 39.863	UYU 40.934	UYU 40.960
		M	EUR 1 =	UYU 51.5154	UYU 41.7784	UYU 41.8345	UYU 41.1464
Uzbekistan							
Tashkent	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 10,624.97	UZS 10,860.25	UZS 10,908.11	UZS 10,930.01
		M	EUR 1 =	UZS 12,568.72	UZS 11,414.12	UZS 11,075.00	UZS 10,966.08
Vanuatu							
Port Vila	Vatu VUV	B	USD 1 =	VUV 107.78	VUV 115.01	VUV 114.31	VUV 115.85
		S	USD 1 =	VUV 114.63	VUV 122.33	VUV 121.59	VUV 123.22
		B	EUR 1 =	VUV 128.25	VUV 121.00	VUV 117.43	VUV 116.67
		S	EUR 1 =	VUV 133.43	VUV 125.89	VUV 122.18	VUV 121.38
Venezuela, Bolivarian Republic of ¹							
Caracas	Bolivar = 100 céntimos VES	B	USD 1 =	VES 3.387736 ¹	VES 5.523058	VES 5.778917	VES 7.872470
		S	USD 1 =	VES 3.396227 ¹	VES 5.536900	VES 5.793400	VES 7.892200
		B	EUR 1 =	VES 3.978432 ¹	VES 5.773749	VES 5.897731	VES 7.908447
		S	EUR 1 =	VES 3.988403 ¹	VES 5.788220	VES 5.912512	VES 7.928267
Viet Nam							
Hanoi	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 22,814	VND 23,135	VND 23,230	VND 23,320
		S	USD 1 =	VND 23,014	VND 23,415	VND 23,510	VND 23,600
		B	EUR 1 =	VND 26,590.89	VND 23,943.82	VND 23,457.45	VND 23,139.19
		S	EUR 1 =	VND 27,719.15	VND 25,032.07	VND 24,523.41	VND 24,190.54
Yemen ¹							
Sana'a	Yemeni rial = 100 fils YER	² B	USD 1 =	YER 250.00	YER .	YER .	YER .
		² S	USD 1 =	YER 250.50	YER .	YER .	YER .
		² B	EUR 1 =	YER 294.98	YER .	YER .	YER .
		² S	EUR 1 =	YER 295.57	YER .	YER .	YER .
Zambia							
Lusaka	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 19.6748	ZMW 16.9357	ZMW 16.3428	ZMW 15.8532
		S	USD 1 =	ZMW 19.7248	ZMW 16.9857	ZMW 16.3928	ZMW 15.9032
		B	EUR 1 =	ZMW 23.2872	ZMW 17.6267	ZMW 16.5912	ZMW 15.8897
		S	EUR 1 =	ZMW 23.3512	ZMW 17.6855	ZMW 16.6485	ZMW 15.9430
Zimbabwe ¹							
Harare	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	ZWL 89.77495	ZWL 366.26870 ³	ZWL 416.28900 ³	ZWL 546.82540 ³
		M	EUR 1 =	ZWL 105.85241	ZWL 382.86175 ³	ZWL 425.15655 ³	ZWL 548.90495 ³
		⁴ M	USD 1 =	ZWL .	ZWL 370.96460	ZWL 443.88230	ZWL 546.82540
		⁴ M	EUR 1 =	ZWL .	ZWL 387.60460	ZWL 453.44900	ZWL 548.96015

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 Auction rate. ⁴ Interbank market rate.

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	
2007	1.58025	1.07346	11.53020	179.947	0.788780	1.56144	1.77857	8.02021	8.55074	10.2088	
2008	1.54027	1.10675	10.52710	140.464	1.056570	1.88621	1.63839	8.18003	10.78020	12.0833	
2009	1.56769	1.08822	10.70450	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070	
2010	1.54003	1.15966	10.19950	125.436	0.997755	1.54142	1.44702	8.64469	9.06742	10.4761	
2011	1.53527	1.18654	9.67352	119.321	0.992989	1.56254	1.44453	8.82099	9.20039	10.6293	
2012	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140	
2013	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229	
2014	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.76930	11.3176	
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.20690	11.5742	
2016	1.34433	1.27534	9.34283	157.018	1.092780	1.80503	1.36826	9.48128	11.58810	12.2295	
2017	1.42413	1.18747	9.27343	160.785	1.054020	1.78837	1.38967	8.84056	11.68500	11.7238	
2018	1.39079	1.21424	9.53107	154.141	1.095500	1.89153	1.36451	9.06709	12.11060	12.4768	
2019	1.38283	1.23588	9.66184	150.894	1.053860	1.80583	1.34362	9.23156	12.16850	12.8879	
2020	1.44027	1.18385	9.41203	149.255	1.073230	1.85161	1.28162	8.80553	12.57700	11.9614	
2021	1.39959	1.23748	8.91599	159.848	1.041830	1.79808	1.28791	9.20217	12.38880	12.7593	
2020 Sep.	1.40757	1.20223	9.58359	148.907	1.096880	1.87756	1.29778	8.95207	13.34580	12.6517	
Oct.	1.41164	1.20674	9.45555	147.629	1.087220	1.88002	1.29370	8.98610	13.38760	12.5822	
Nov.	1.43009	1.19373	9.41673	148.544	1.070790	1.85411	1.29166	8.88289	12.60700	12.1290	
Dec.	1.44027	1.18385	9.41203	149.255	1.073230	1.85161	1.28162	8.80553	12.57700	11.9614	
2021 Jan.	1.44080	1.18721	9.30960	150.535	1.050300	1.84135	1.28080	8.82924	12.27940	12.0514	
Feb.	1.43927	1.18742	9.30691	152.894	1.033590	1.82572	1.30405	8.82979	12.35050	11.9590	
Mar.	1.41721	1.20871	9.29731	156.885	1.029650	1.78214	1.33650	8.98949	12.08160	12.3636	
Apr.	1.43599	1.18853	9.29861	156.451	1.032190	1.76411	1.30596	8.80375	11.82980	12.0400	
May	1.44467	1.18435	9.21175	157.758	1.022770	1.75160	1.29738	8.80716	12.07480	12.0046	
June	1.42642	1.20029	9.21311	157.620	1.028940	1.76791	1.31645	8.92554	12.20900	12.1393	
July	1.42877	1.20156	9.22526	156.450	1.022890	1.78053	1.29325	8.93711	12.54490	12.2277	
Aug.	1.42426	1.20353	9.20073	156.483	1.034390	1.79698	1.30170	8.94943	12.34820	12.2378	
Sep.	1.40887	1.21675	9.10606	157.667	1.048660	1.80099	1.31934	9.04781	12.36820	12.3855	
Oct.	1.41538	1.21544	9.04486	160.858	1.026830	1.75281	1.28948	9.04159	11.85000	12.0583	
Nov.	1.40080	1.23277	8.92530	159.411	1.049950	1.79190	1.28712	9.16792	12.67230	12.6469	
Dec.	1.39959	1.23748	8.91599	159.848	1.041830	1.79808	1.28791	9.20217	12.38880	12.7593	
2022 Jan.	1.39178	1.24756	8.85089	160.653	1.038330	1.77021	1.29986	9.28428	12.48620	13.0564	
Feb.	1.39486	1.24553	8.80282	161.176	1.041370	1.77120	1.28565	9.26715	12.38860	13.2894	
Mar.	1.38240	1.24529	8.76816	169.206	1.053220	1.72745	1.27886	9.26235	12.09310	12.8067	
Apr.	1.34430	1.27543	8.85442	174.625	1.069500	1.71963	1.30471	9.49109	12.43860	13.1293	
May	1.34970	1.25987	8.99062	173.032	1.072130	1.70710	1.29578	9.37269	12.72250	13.2277	
June	1.32778	1.27831	8.88920	181.415	1.096520	1.71098	1.27374	9.50959	13.22850	13.5691	
July	1.32360	1.29790	8.90599	176.039	1.086520	1.69738	1.25954	9.66137	12.87810	13.4163	
Aug.	1.30134	1.30134	8.97070	180.379	1.120300	1.70619	1.27545	9.67820	12.93380	13.8835	
2022 July	25	1.31985	1.28942	8.91504	180.292	1.095220	1.69627	1.27174	9.59969	12.98490	13.4734
26	1.31571	1.29959	8.89047	179.528	1.096510	1.69502	1.26926	9.67530	13.00960	13.4190	
27	1.31678	1.29706	8.90060	180.385	1.091810	1.69495	1.26595	9.65605	12.91320	13.5538	
28	1.31692	1.30104	8.87997	178.179	1.086570	1.69026	1.26622	9.68523	12.87810	13.4598	
29	1.32360	1.29790	8.90599	176.039	1.086520	1.69738	1.25954	9.66137	12.87810	13.4163	
Aug. 1	1.32475	1.29458	8.94494	175.529	1.081960	1.69738	1.25954	9.66137	12.87810	13.4163	
2	1.32410	1.29509	8.95183	173.259	1.085020	1.70226	1.26167	9.63911	12.76950	13.4673	
3	1.32102	1.29588	8.92148	176.687	1.084400	1.69791	1.26633	9.63958	12.86090	13.4718	
4	1.32026	1.29679	8.91798	176.413	1.084630	1.69706	1.26672	9.65139	12.79590	13.5019	
5	1.32270	1.29258	8.92443	175.932	1.089450	1.71078	1.26364	9.65139	12.84670	13.4663	
8	1.31927	1.29353	8.91512	178.629	1.089770	1.69619	1.26320	9.61881	12.90250	13.3962	
9	1.32069	1.29050	8.92180	178.109	1.090810	1.70105	1.25888	9.62445	12.92050	13.3962	
10	1.32119	1.28871	8.92817	178.624	1.092160	1.68966	1.25367	9.60227	12.85830	13.4111	
11	1.32776	1.28435	8.94686	178.624	1.087840	1.69330	1.25009	9.60227	12.82300	13.4073	
12	1.32455	1.28785	8.92045	176.629	1.092140	1.69317	1.24905	9.58754	12.77350	13.4404	
15	1.32039	1.29513	8.93599	175.612	1.092090	1.70436	1.24816	9.55022	12.59180	13.3199	
16	1.31580	1.29879	8.93400	175.225	1.094490	1.69304	1.25087	9.58084	12.63770	13.3704	
17	1.31789	1.29663	8.93136	177.006	1.088990	1.70166	1.25423	9.63224	12.78430	13.5303	
18	1.31695	1.29392	8.94630	177.630	1.092540	1.70255	1.25358	9.65876	12.78370	13.6659	
19	1.30909	1.30205	8.91735	178.402	1.105230	1.70063	1.25227	9.64395	12.76240	13.6681	
22	1.30620	1.30607	8.92945	179.211	1.106580	1.70263	1.25226	9.62529	12.71700	13.7401	
23	1.30226	1.31184	8.93272	178.775	1.106990	1.68930	1.25890	9.68382	12.81450	13.7756	
24	1.30221	1.31086	8.93759	178.272	1.105810	1.69065	1.25533	9.71336	12.76280	13.8785	
25	1.30557	1.30950	8.94526	178.784	1.103980	1.68901	1.25831	9.75667	12.78240	13.9577	
26	1.30647	1.30556	8.96411	178.621	1.103910	1.69698	1.25787	9.75029	12.78240	13.9577	
29	1.30194	1.30377	9.00909	180.970	1.103910	1.69370	1.26054	9.75029	12.63140	13.8837	
30	1.30421	1.29979	9.01664	180.634	1.113000	1.70539	1.26672	9.73928	12.62350	13.7927	
31	1.30134	1.30134	8.97070	180.379	1.120300	1.70619	1.27545	9.71062	12.62080	13.8494	
Sep. 1	1.30191	1.30139	8.98747	181.616	1.126320	1.71409	1.27457	9.69725	12.73460	13.9256	
2	1.30018	1.30109	8.97368	182.090	1.124040	1.70597	1.27730	9.66735	12.67980	13.9124	
6	1.29533	1.30473	8.99386	182.642	1.119130	1.70194	1.27111	9.67820	13.03080	13.9208	
7	1.29088	1.30590	8.99353	186.041	1.127800	1.69931	1.27164	9.71128	13.01550	13.9721	
8	1.29727	1.29610	9.03302	187.326	1.123760	1.70150	1.26225	9.70252	12.90970	13.9080	
9	1.30236	1.29601	9.01242	187.227	1.121370	1.69762	1.24929	9.71128	12.99140	13.9492	
12	1.30477	1.28485	9.03302	186.321	1.116810	1.69359	1.24423	9.63846	13.04080	13.9054	
13	1.30678	1.28431	9.04805	186.321	1.114050	1.71319	1.23962	9.63772	12.93880	13.7731	
14	1.29741	1.29871	9.03636	187.412	1.121990	1.70818	1.24630	9.55484	12.81230	13.6586	
								9.55092	12.84150	13.6701	
								9.65792	13.13320	13.8477	

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 2021

Exchange rate arrangement	Monetary policy framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other ¹
	Exchange rate anchor						
	US dollar	Euro	Composite	Other			
No separate legal tender	Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste	Andorra ² Kosovo Montenegro San Marino		Kiribati Nauru Tuvalu			
Currency board	Djibouti Hong Kong ECCU ⁴ Antigua & Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria ³		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 ³ Sao Tome and Principe WAEMU ⁶ Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC ⁷ Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Libya	Bhutan Eswatini Lesotho Namibia Nepal	Samoa ⁵		
Stabilised arrangement	Cambodia Guyana Iran, Islamic Republic of ⁸ Lebanon Maldives Trinidad and Tobago	Croatia ³ North Macedonia	Singapore		Algeria ⁸ Bangladesh ⁸ Bolivia, Plurinational State of ⁸ Gambia ^{8,11} Nigeria ⁸ Papua New Guinea ⁸ Suriname ⁸ Tajikistan ^{8,9} Tanzania, United Republic of ⁸	Guatemala ⁸ Serbia	Azerbaijan ⁸ Egypt ^{8,9,10} Mongolia ⁹ Sudan ^{8,10}
Crawling peg	Honduras Nicaragua		Botswana				
Pegged exchange rate within horizontal bands			Morocco				

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2021, 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 IMF-member since 16 October 2020. ³ The member parti-

cipates in ERM II. ⁴ The members participate in the Eastern Caribbean Currency Union. ⁵ The country maintains a de facto exchange rate anchor to a composite. ⁶ The members participate in the West African Economic and Monetary Union. ⁷ The members participate in the Central African Economic and Monetary Community. ⁸ The

VI. Global exchange rate arrangements and monetary policy framework *

As of end-April 2021

Exchange rate arrangement	Monetary policy framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other ¹
	Exchange rate anchor						
	US dollar	Euro	Composite	Other			
Crawl-like-arrangement			Viet Nam ⁸		Afghanistan ⁸ Burundi ⁸ China ⁵ Congo, Democratic Republic of the ^{8,10,11} Ethiopia ^{8,10,11} Guinea ^{8,10,11} Rwanda ⁸	Costa Rica Dominican Republic ⁸ Ghana ⁸ Philippines ⁸ Romania ¹² Uzbekistan ⁸	Argentina ⁸ Lao People's Democratic Republic ⁸ Malawi ⁸ Mauritania ⁸ Mozambique ^{8,9} Solomon Islands ^{5,10,11} South Sudan ⁸ Switzerland ¹² Tunisia ^{9,12} Zambia ⁸
Other managed arrangement			Kuwait Syrian Arab Republic		Liberia ^{10,11} Myanmar Sierra Leone Zimbabwe	Kenya	Haiti ^{8,11} Kyrgyzstan Tonga Vanuatu Venezuela, Bolivarian Republic of
Floating					Angola Belarus Madagascar Yemen ¹¹	Albania Armenia Brazil ¹³ Colombia Georgia Hungary Iceland India ¹³ Indonesia ¹³ Israel Jamaica Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru ¹⁰ Seychelles Sri Lanka ¹³ South Africa Thailand ¹³ Turkey Uganda Ukraine Uruguay	Malaysia Mauritius Pakistan ⁹
Free floating						Australia Canada Chile Czechia Japan Mexico Norway Poland ¹³ Russian Federation Sweden ¹³ United Kingdom	Somalia ¹⁴ United States Euro area Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

country maintains a de facto exchange rate anchor to the US dollar. ⁹ The central bank is in transition towards inflation targeting. ¹⁰ The exchange rate arrangement was reclassified twice during this reporting period. ¹¹ The exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously

published classification. ¹² The country maintains a de facto exchange rate anchor to the euro. ¹³ The monetary policy framework is referred to as "flexible inflation-targeting". ¹⁴ 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	CUP	Cuban peso	Cuba	GMD	Dalasi	Gambia
AFN	Afghani	Afghanistan	CVE	Cabo Verde escudo	Cabo Verde	GNF	Guinean franc	Guinea
ALL	Albanian lek	Albania	CZK	Czech koruna	Czechia	GTQ	Quetzal	Guatemala
AMD	Armenian dram	Armenia				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
			EGP	Egyptian pound	Egypt	HUF	Hungarian forint	Hungary
AWG	Aruban florin	Aruba	ERN	Nakfa	Eritrea	IDR	Indonesian rupiah	Indonesia
AZN	Azerbaijan manat	Azerbaijan	ETB	Birr	Ethiopia	ILS	New shekel	Israel
			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
BAM	Convertible marka	Bosnia and Herzegovina			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
BBD	Barbados dollar	Barbados				IRR	Iranian rial	Iran, Islamic Republic of
BDT	Taka	Bangladesh				ISK	Icelandic krona	Iceland
BGN	Bulgarian lev	Bulgaria				JMD	Jamaican dollar	Jamaica
BHD	Bahraini dinar	Bahrain				JOD	Jordanian dinar	Jordan
BIF	Burundi franc	Burundi				JPY	Japanese yen	Japan
BMD	Bermudian dollar	Bermuda						
BND	Brunei dollar	Brunei Darussalam				KES	Kenya shilling	Kenya
BOB	Boliviano	Bolivia, Plurinational State of				KGS	Kyrgyz som	Kyrgyzstan
BRL	Brazilian real	Brazil				KHR	Riel	Cambodia
BSD	Bahamian dollar	Bahamas				KMF	Comorian franc	Comoros
BTN	Ngultrum	Bhutan				KPW	North Korean won	Korea, Democratic People's Republic of
BWP	Pula	Botswana				KRW	South Korean won	Korea, Republic of
BYN	Belarusian rouble	Belarus				KWD	Kuwaiti dinar	Kuwait
BZD	Belize dollar	Belize				KYD	Cayman Islands dollar	Cayman Islands
			FJD	Fiji dollar	Fiji	KZT	Tenge	Kazakhstan
CAD	Canadian dollar	Canada	FKP	Fakland Islands pound	Falkland Islands (Islas Malvinas)			
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?f184ad85cc2c5ccefcd05680706893cde>).

The real effective exchange rates of the euro additionally take account of the differences in price movements between the groups of countries under review. If the current price indices for determining the real effective exchange rate based on consumer price indices are not yet available, estimates are used for the calculation.

For further information on the calculation method, see the ECB's methodological notes relating to the daily nominal effective exchange rate of the euro and ECB Occasional Paper No 134 of June 2012, which can be downloaded from the ECB's website (www.ecb.europa.eu).

Indicators of the German economy's price competitiveness

The calculation of indicators of the German economy's price competitiveness is methodically consistent with the ECB's procedure for determining the effective exchange rates of the euro. 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.

Value of the special drawing right

The value of a SDR (ISO code: XDR) is currently defined as the sum of the values of fixed amounts of five currencies.

The composition of the currency basket as well as the weights and amounts of the currency units in the basket are generally reviewed every five years. As a result of the latest review, conducted in 2022, since 1 August 2022, the SDR basket has contained the fixed currency amounts shown in column (a). These were fixed on 29 July 2022 on the basis of the average exchange rates in the London spot exchange market over the preceding three-month period (2 May to 29 July, 2022) and the initial new percentage

weights (column b) such that, on 29 July 2022, 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/2022/07/29/Review-of-the-Method-of-Valuation-of-the-SDR-Amendment-to-Rule-O-1-521564>).

	(a)	(b)
US dollar	0.57813	43.38
Euro	0.37379	29.31
Chinese yuan (renminbi)	1.0993	12.28
Japanese yen	13.452	7.59
Pound sterling	0.080870	7.44

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 foreign exchange reference 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 2021 (see Table VI., pp. 44-45) is based on the IMF's "Annual Report on Exchange Arrangements and Exchange Restrictions 2021", 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

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. With effect from 14 July 2022, this additional tax was increased to 45%.

Since 21 July 2022, foreign tourists have been able to exchange cash up to the equivalent of USD 5,000 per month into Argentine pesos at a separate, unspecified rate.

In addition, there is still a black market where, according to press reports, the exchange rate for the US dollar stood at around 270 Argentine pesos at the beginning of September 2022.

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 Commu-

nauté 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

In addition to the existing official exchange rate of USD 1 = CUP 24, which is to be used only for government sector transactions, a new official exchange rate of USD 1 = CUP 120 was introduced with effect from 4 August 2022. This is to be applied in the government foreign exchange bureaus (CADECA – casas de cambio) as well as for cash withdrawals and credit transfers.

The euro is also an accepted form of payment in some tourist locations.

El Salvador

The US dollar is likewise legal tender alongside the El Salvador colón.

Equatorial Guinea

See Explanatory notes on Cameroon.

Eswatini

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

Gabon

See Explanatory notes on Cameroon.

Guinea-Bissau

See Explanatory notes on Benin.

India

Units of account for larger amounts: 1 lakh (in digits: 1,00,000) = 100,000 rupees; 1 crore (in digits: 1,00,00,000) = 100 lakh = 10,000,000 rupees.

Iran, Islamic Republic of

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

Central bank rate

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

NIMA rate (see <https://www.sanarate.ir/Default.aspx>)

For other, non-specified goods imports and services. Access to the electronic platform NIMA is possible only for certain importers as well as exchange bureaus.

Bureau de change rate

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

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

Iraq

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

Kenya

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

Korea, Democratic People's Republic of

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

Lebanon

The ongoing liquidity and economic crisis in Lebanon has resulted in a sharp depreciation of the Lebanese pound in the parallel market that has formed in the meantime. This has prompted Lebanon's central bank to introduce various measures since mid-2020 to contain the resulting foreign currency shortage.

Alongside the existing official exchange rate to the US dollar (LBP 1,507.50), it introduced a bank rate of LBP 3,900 per US dollar. In addition, commercial banks and foreign exchange dealers operating in Lebanon are required to conduct transactions in foreign currency via the central bank's own Sayrafa electronic platform. According to the Lebanese central bank, the exchange rate formed here is intended to reflect the current market situation.

We have the following information on how exchange rates have been applied since the end of August 2021:

Official exchange rate

For specific imports, for example, wheat, medication, medical supplies, selected commodities and for servicing limited retail consumer and housing loans denominated in US dollar.

Bank rate

For limited cash withdrawals from foreign currency accounts at banks in Lebanon.

Sayrafa market rate

For imports of petrol, diesel and gas, and for regulated buying and selling of foreign currencies.

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.

Myanmar

With effect from 5 August 2022, the exchange rate for the US dollar was changed from USD 1 = MMK 1 850 to USD 1 = MMK 2 100; this corresponds to a depreciation of the kyat vis-à-vis the US dollar of 11.9%.

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.

Sierra Leone

With effect from 1 July 2022, a currency changeover took place at the ratio of 1,000 (old) leone (SLL) to 1 (new) leone (SLE). The SLL will also remain legal tender at this ratio until the end of September 2022.

The currency changeover did not entail any appreciation or depreciation against other currencies.

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

In addition to the bank rates (for credit transfers) shown, the Central Bank of Syria continued to publish official exchange rates of USD 1 = SYP 2,500.00/2,525.00 (buying/selling). We do not have any information on how these rates are applied.

It is also understood that there are significantly different black market rates alongside these rates.

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. According to press reports, this rate was around 20 Turkmen manat at the end of August 2022.

Ukraine

On 24 February 2022, the National Bank of Ukraine adopted various measures (Resolution No 18) that were intended to keep the banking system stable under martial law. Amongst other things, this resolution fixed the exchange rate to the US dollar.

With effect from 21 July 2022, the fixed exchange rate for the US dollar was adjusted from USD 1 = UAH 29.2549 to USD 1 = UAH 36.5686; the hryvnia thus depreciated by 20.0% against the US dollar.

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 = 1 (new) bolívar. 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.

Yemen

In addition to the central bank rates, there are also commercial bank rates, which vary widely from region to region.

Zimbabwe

With effect from 9 May 2022, a multiple exchange rate system was established, with interbank market rates introduced alongside the official exchange rates (now auction rates). We do not have any information on the exchange rate application.

It is also understood that there are significantly different black market rates alongside these rates.