



Exchange rate statistics

November 2022

Statistical Series

Deutsche Bundesbank
Wilhelm-Epstein-Straße 14
60431 Frankfurt am Main
Germany

Postfach 10 06 02
60006 Frankfurt am Main
Germany

Tel.: +49 (0)69 9566 33512
Email: www.bundesbank.de/contact

Information pursuant to Section 5 of the German Tele-
media Act (Telemediengesetz) can be found at:
www.bundesbank.de/imprint

Reproduction permitted only if source is stated.

ISSN 2699-9188

Finalized on 14 November 2022.

This Statistical Series is released once a month and pub-
lished on the basis of Section 18 of the Bundesbank Act
(Gesetz über die Deutsche Bundesbank).

To be informed when new issues of this Statistical Series
are published, subscribe to the newsletter at:
www.bundesbank.de/statistik-newsletter_en

Up-to-date information and time series are also available
online at:
www.bundesbank.de/content/821976
www.bundesbank.de/timeseries

Further statistics compiled by the Deutsche Bundesbank
can also be accessed at the Bundesbank web pages.

A publication schedule for selected statistics can be viewed
on the following page:
www.bundesbank.de/statisticalcalender

■ Contents

■ 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	7
2. Central rates and intervention rates in Exchange Rate Mechanism II	7

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

1. End-of-month and daily rates	8
2. Annual and monthly averages	10
3. End-of-year rates and annual averages	12
4. Exchange rates of major currencies (chart)	14

■ III. Effective exchange rates

1. Effective exchange rates of the euro and indicators of the German economy's price competitiveness (chart)	15
2. Effective exchange rates of the euro	16
3. Indicators of the German economy's price competitiveness	17

■ IV. Overview of world currencies

1. Currencies and exchange rates in individual countries	18
2. Exchange rates of the US dollar against major currencies (chart)	41
3. Currencies in selected territories and states in which the currency of another country is legal tender	42

■ V. Value of the special drawing right in selected currencies 43

■ VI. Global exchange rate arrangements and Monetary policy framework 44

■ VII. ISO currency codes 46

■ Explanatory notes

Euro foreign exchange reference rates of the European Central Bank	48
Effective exchange rates of the euro	48
Indicators of the German economy's price competitiveness	48
Overview of world currencies	50
Value of the special drawing right	50
Global exchange rate arrangements and monetary policy framework	51

■ Explanatory notes on individual countries	53
---	----

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	³ 391.863	–	–	–	–	–	–
Greek drachma	Central rate	¹ 353.109	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	0.702804	⁸ 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 ...

Period		EU member countries							
		Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden
		Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2021 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	
Sep.	1.9558	7.5240	24.549	7.4365	422.18	4.8483	4.9490	10.8993	
Oct.	1.9558	7.5310	24.488	7.4444	409.65	4.7085	4.9143	10.9010	
2022 Oct. 19	1.9558	7.5325	24.563	7.4390	413.78	4.7878	4.9248	10.9448	
20	1.9558	7.5353	24.525	7.4389	411.20	4.7728	4.9203	10.9820	
21	1.9558	7.5325	24.511	7.4382	412.88	4.7885	4.9125	11.0868	
24	1.9558	7.5337	24.482	7.4385	411.88	4.7908	4.9128	11.0795	
25	1.9558	7.5315	24.472	7.4387	413.70	4.7770	4.9036	10.9728	
26	1.9558	7.5320	24.535	7.4381	408.09	4.7548	4.8806	10.9530	
27	1.9558	7.5330	24.530	7.4387	412.15	4.7585	4.8893	10.9583	
28	1.9558	7.5320	24.465	7.4423	411.70	4.7275	4.9189	10.9403	
31	1.9558	7.5310	24.488	7.4444	409.65	4.7085	4.9143	10.9010	
Nov. 1	1.9558	7.5342	24.484	7.4438	406.90	4.7053	4.9138	10.8740	
2	1.9558	7.5335	24.506	7.4431	407.00	4.7035	4.9120	10.9065	
3	1.9558	7.5375	24.539	7.4433	407.87	4.7090	4.9013	10.9320	
4	1.9558	7.5353	24.422	7.4419	401.15	4.6825	4.8893	10.8538	
7	1.9558	7.5375	24.301	7.4393	401.03	4.6865	4.8855	10.8320	
8	1.9558	7.5390	24.326	7.4378	400.75	4.6918	4.8978	10.8373	
9	1.9558	7.5425	24.337	7.4382	403.53	4.7010	4.9045	10.8450	
10	1.9558	7.5427	24.361	7.4381	400.95	4.7060	4.8913	10.8743	
11	1.9558	7.5445	24.278	7.4384	402.08	4.6765	4.8940	10.7241	
14	1.9558	7.5465	24.289	7.4382	407.28	4.6898	4.9043	10.7713	

Period		Other European and non-European countries							
		Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia
		Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Yuan (renminbi) CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR
2021 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	
Sep.	1.5076	5.2584	1.3401	6.9368	7.6521	140.90	79.4250	14,863.26	
Oct.	1.5529	5.2694	1.3553	7.2380	7.7822	143.30	82.1035	15,489.55	
2022 Oct. 19	1.5568	5.1755	1.3479	7.0672	7.6757	141.10	81.1955	15,185.10	
20	1.5554	5.1387	1.3461	7.0858	7.7008	141.10	81.1755	15,250.05	
21	1.5646	5.1117	1.3465	7.0504	7.6376	141.10	80.7390	15,199.12	
24	1.5631	5.1461	1.3502	7.1544	7.7329	142.50	81.5451	15,362.63	
25	1.5599	5.2254	1.3537	7.2072	7.7407	142.90	81.6530	15,407.12	
26	1.5466	5.2944	1.3568	7.1948	7.8678	143.50	82.2060	15,589.27	
27	1.5610	5.3889	1.3672	7.2552	7.8782	143.10	82.6560	15,629.06	
28	1.5511	5.3270	1.3542	7.2159	7.8107	143.30	82.0565	15,481.88	
31	1.5529	5.2694	1.3553	7.2380	7.7822	143.30	82.1035	15,489.55	
Nov. 1	1.5409	5.1337	1.3469	7.2165	7.8079	143.30	82.0840	15,534.60	
2	1.5426	5.0964	1.3470	7.2156	7.7774	143.70	81.9920	15,492.57	
3	1.5517	5.0262	1.3452	7.1367	7.6560	144.90	80.8845	15,400.20	
4	1.5311	4.9682	1.3351	7.0894	7.7493	145.50	81.0200	15,491.81	
7	1.5428	5.0700	1.3464	7.2189	7.8444	145.90	81.8407	15,648.95	
8	1.5435	5.2030	1.3489	7.2495	7.8468	146.30	81.5180	15,652.76	
9	1.5538	5.1947	1.3501	7.2813	7.8801	146.70	81.6575	15,717.07	
10	1.5525	5.2860	1.3467	7.2184	7.8128	147.50	81.3058	15,615.60	
11	1.5459	5.5147	1.3698	7.3267	8.0758	148.70	83.2253	15,979.45	
14	1.5427	5.4605	1.3706	7.2906	8.0852	150.30	83.7779	16,052.12	

* See Explanatory notes, p. 48.

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

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

EUR 1 = CU ...

		Other European and non-European countries (cont'd)							
		Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	Philippines
		New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP
2021 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
Sep.		3.4759	141.01	1,400.69	4.5201	19.6393	1.7177	10.5838	57.276
Oct.		3.4933	147.40	1,416.12	4.6873	19.7122	1.7099	10.3028	57.800
2022 Oct.	19	3.4628	146.34	1,398.35	4.6152	19.6845	1.7264	10.3823	57.741
	20	3.4754	146.99	1,400.30	4.6396	19.7005	1.7206	10.4020	57.742
	21	3.4803	147.59	1,404.32	4.6101	19.5521	1.7347	10.4315	57.287
	24	3.4997	146.76	1,418.40	4.6674	19.6514	1.7343	10.3920	58.021
	25	3.5060	146.84	1,417.50	4.6697	19.6353	1.7321	10.3910	57.988
	26	3.5145	147.32	1,422.11	4.7262	19.8501	1.7249	10.3408	58.493
	27	3.5376	147.37	1,428.57	4.7324	20.0150	1.7316	10.3420	58.441
	28	3.5215	146.79	1,417.70	4.6994	19.7718	1.7151	10.2695	57.739
	31	3.4933	147.40	1,416.12	4.6873	19.7122	1.7099	10.3028	57.800
Nov.	1	3.4922	146.35	1,404.63	4.7119	19.5984	1.6876	10.1835	57.786
	2	3.4987	145.75	1,402.01	4.6944	19.4921	1.6844	10.2388	57.841
	3	3.4847	144.58	1,391.75	4.6271	19.2363	1.6957	10.3543	57.463
	4	3.5065	145.19	1,397.70	4.6872	19.2611	1.6769	10.2019	57.672
	7	3.5402	146.18	1,391.25	4.7362	19.4395	1.6834	10.2555	58.361
	8	3.5436	146.25	1,377.94	4.7346	19.4495	1.6860	10.2795	58.187
	9	3.5621	146.82	1,369.73	4.7098	19.6554	1.7033	10.3220	58.236
	10	3.5453	145.47	1,373.96	4.6789	19.4562	1.6984	10.3615	57.793
	11	3.5255	143.89	1,359.20	4.7700	20.0239	1.7020	10.2635	59.106
	14	3.5410	144.86	1,369.32	4.7429	20.0985	1.6957	10.3143	59.040

		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
2021 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
Sep.		–	1.4001	17.5353	0.9561	36.823	18.0841	0.88300	0.9748
Oct.		–	1.4038	18.1736	0.9925	37.748	18.4562	0.86115	0.9914
2022 Oct.	19	–	1.3931	17.8339	0.9810	37.469	18.1793	0.86993	0.9778
	20	–	1.3959	17.9106	0.9836	37.360	18.2257	0.87258	0.9811
	21	–	1.3917	18.0021	0.9855	37.349	18.0988	0.87728	0.9730
	24	–	1.4008	18.0625	0.9856	37.600	18.3298	0.87070	0.9851
	25	–	1.4050	18.2211	0.9888	37.758	18.3508	0.87143	0.9861
	26	–	1.4104	18.0212	0.9917	37.862	18.6461	0.86603	1.0023
	27	–	1.4154	18.1521	0.9949	37.975	18.6810	0.86745	1.0037
	28	–	1.4055	18.0530	0.9920	37.724	18.5219	0.86120	0.9951
	31	–	1.4038	18.1736	0.9925	37.748	18.4562	0.86115	0.9914
Nov.	1	–	1.4017	17.9802	0.9878	37.450	18.5216	0.86058	0.9947
	2	–	1.3983	17.9608	0.9861	37.314	18.4488	0.86100	0.9908
	3	–	1.3878	18.0173	0.9889	37.091	18.1602	0.87228	0.9753
	4	–	1.3891	17.7983	0.9863	36.906	18.3845	0.87478	0.9872
	7	–	1.4022	17.7583	0.9874	37.284	18.5875	0.87135	0.9993
	8	–	1.4022	17.8397	0.9911	37.220	18.5991	0.87378	0.9996
	9	–	1.4061	17.8770	0.9880	36.999	18.6728	0.87774	1.0039
	10	–	1.3963	17.6882	0.9834	36.700	18.5100	0.87298	0.9954
	11	–	1.4199	17.7944	0.9844	37.088	19.0987	0.87538	1.0308
	14	–	1.4177	17.8393	0.9751	36.978	19.1923	0.87513	1.0319

* 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 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
Sep.	1.9558	7.5222	24.576	7.4366	404.19	4.7414	4.9097	10.7840
Oct.	1.9558	7.5298	24.528	7.4389	418.31	4.8040	4.9259	10.9503

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 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
Sep.	1.4820	5.1791	1.3187	6.9508	7.7738	140.35	79.4558	14,847.40
Oct.	1.5474	5.1658	1.3477	7.0687	7.7128	141.50	80.9180	15,172.93

* 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 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
Sep.	3.4181	141.57	1,381.71	4.5005	19.8718	1.6691	10.1697	57.074
Oct.	3.4823	144.73	1,403.51	4.6127	19.6481	1.7299	10.3919	57.738

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 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
Sep.	-	1.3999	17.3828	0.9640	36.670	18.1465	0.87463	0.9904
Oct.	-	1.4003	17.8214	0.9791	37.286	18.2655	0.87058	0.9826

* 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 ...

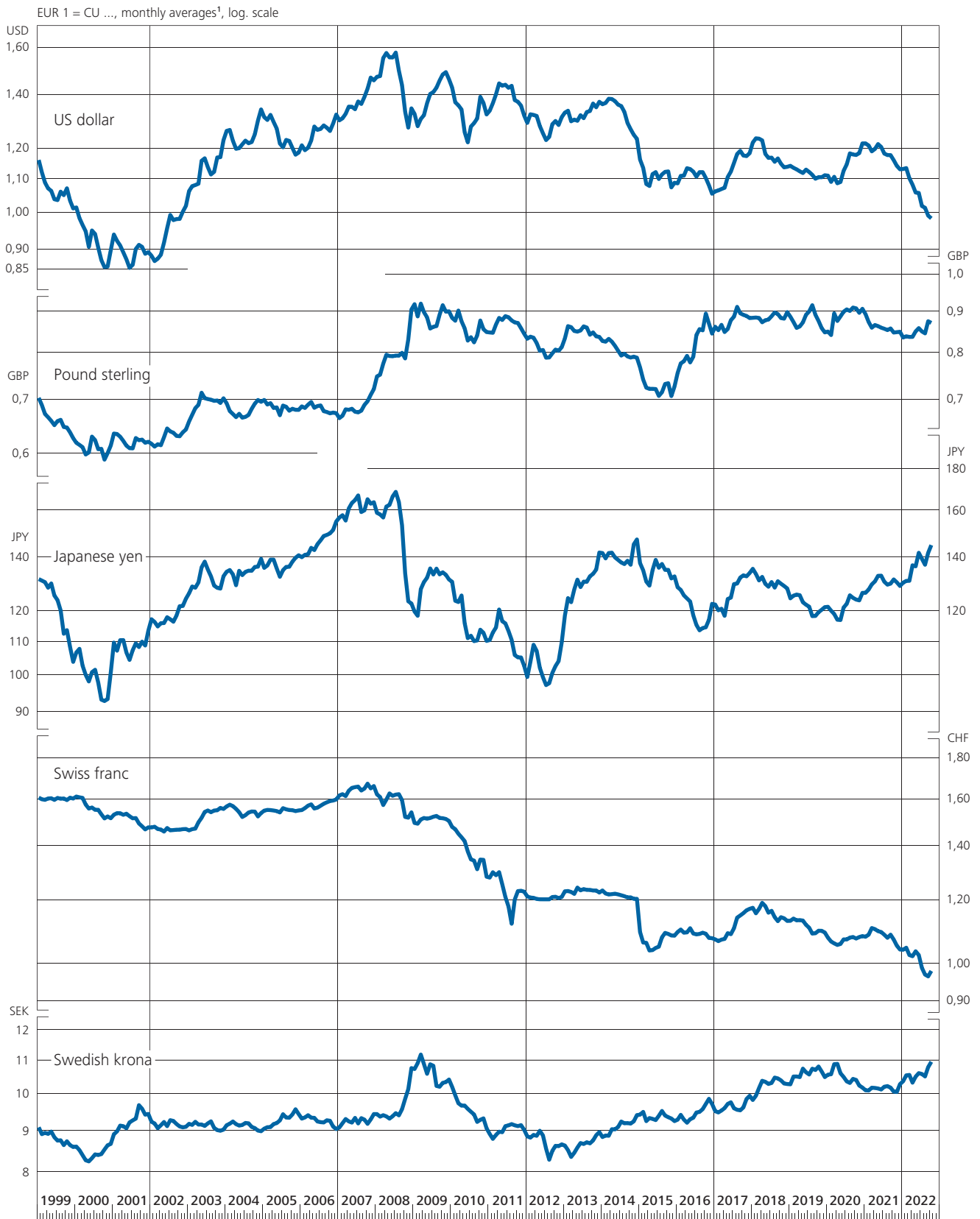
Other European and non-European countries (cont'd)									
India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	
Indian rupee INR 1	Indonesian rupiah IDR	New shekel ILS 2	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	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

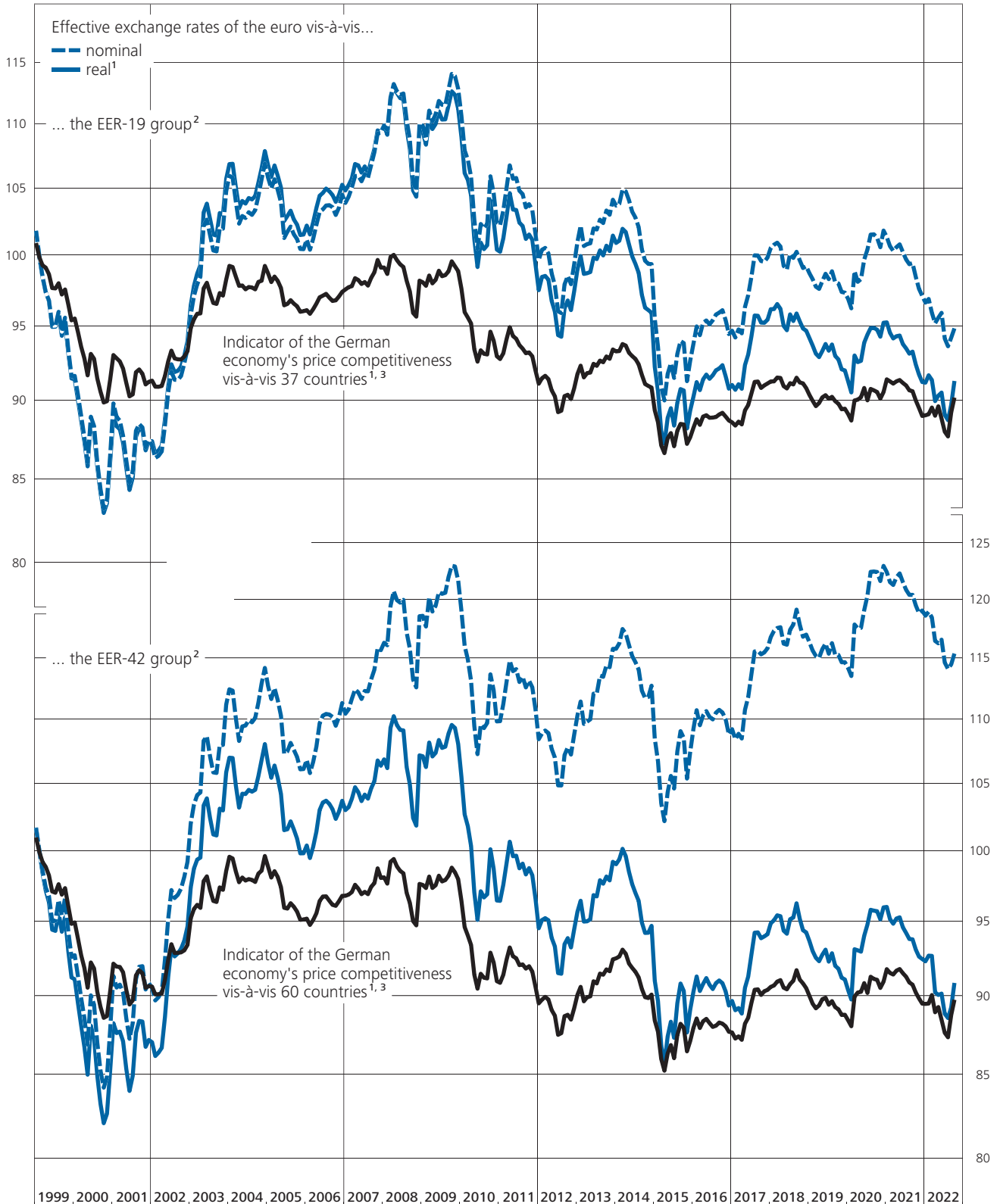


* See explanatory notes, p. 48. ¹ Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

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	95.9	96.2	96.6	96.0
2000	87.1	86.9	86.1	85.7	88.1	86.1	
2001	87.6	87.2	86.6	84.5	90.2	86.9	
2002	89.8	90.2	89.7	88.1	94.5	90.5	
2003	100.4	101.4	100.7	99.1	106.4	101.5	
2004	104.2	105.2	103.7	102.3	110.9	105.3	
2005	102.8	103.9	101.7	100.5	109.0	102.9	
2006	102.8	103.9	101.1	99.4	109.1	102.2	
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	106.6	108.4	120.5	108.0	
2010	104.4	102.9	98.4	100.9	111.9	99.0	
2011	104.2	101.9	96.6	99.2	112.7	98.5	
2012	98.5	96.7	91.1	93.4	107.5	93.7	
2013	102.0	99.8	94.1	96.4	112.2	96.8	
2014	102.3	99.1	94.0	96.5	114.5	97.1	
2015	92.5	89.5	85.5	85.9	106.1	88.6	
2016	95.2	91.4	87.8	p 87.2	110.1	90.6	
2017	97.4	93.4	88.9	p 87.9	112.4	91.8	
2018	99.9	95.5	90.5	p 89.4	117.3	95.0	
2019	98.1	93.1	88.8	p 86.9	115.4	92.3	
2020	99.6	93.5	89.4	p 87.6	119.4	93.8	
2021	99.6	93.4	p 88.7	p 86.0	120.8	94.2	
2020 Nov.	100.6	94.3	90.5	p 87.8	121.6	95.1	
Dec.	101.8	95.2			122.9	95.9	
2021 Jan.	101.3	95.2			122.4	96.0	
Feb.	100.6	94.5	90.1	p 87.9	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	89.5	p 86.4	122.3	95.3	
June	100.2	93.7			121.5	94.6	
July	99.7	93.5			120.8	94.2	
Aug.	99.3	93.1	p 88.5	p 85.7	120.4	93.8	
Sep.	99.4	93.2			120.4	93.7	
Oct.	98.4	92.4			119.5	93.1	
Nov.	97.6	91.7	p 86.5	p 84.0	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	91.6	p 84.9	p 82.4	118.9	p 92.6	
Mar.	95.9	91.3			118.4	p 92.6	
Apr.	95.2	89.9			116.4	p 90.2	
May	95.6	90.3	p 83.7	p 80.7	116.2	p 90.0	
June	95.9	90.5			116.5	p 90.1	
July	94.1	p 89.1			114.6	p 88.8	
Aug.	93.6	p 88.7	...	...	114.1	p 88.5
Sep.	94.2	p 89.7			114.5	p 89.2	
Oct.	94.8	p 91.3			115.4	p 90.8	
2022 Oct. 17	94.4	-	-	-	114.8	-	
18	94.9	-	-	-	115.4	-	
19	94.7	-	-	-	115.2	-	
20	94.9	-	-	-	115.4	-	
21	94.8	-	-	-	115.2	-	
24	95.2	-	-	-	115.9	-	
25	95.3	-	-	-	116.1	-	
26	95.5	-	-	-	116.5	-	
27	95.8	-	-	-	116.9	-	
28	95.3	-	-	-	116.2	-	
31	95.3	-	-	-	116.1	-	
Nov. 1	95.1	-	-	-	115.9	-	
2	95.0	-	-	-	115.7	-	
3	94.7	-	-	-	115.1	-	
4	94.7	-	-	-	115.3	-	
7	95.2	-	-	-	116.0	-	
8	95.4	-	-	-	116.2	-	
9	95.7	-	-	-	116.5	-	
10	95.2	-	-	-	115.9	-	
11	96.1	-	-	-	117.3	-	
14	96.1	-	-	-	117.3	-	

* 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 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	88.1	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	87.0			
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	93.5	86.4	96.4	94.2	99.5	90.1	90.2			
2021	93.5	92.0	95.6	86.8	97.4	94.8	100.9	90.7	91.0			
2019 May	92.3	91.2	93.8	85.8	96.7	94.5	99.7	90.2	89.8			
June					96.8	94.4	100.2	90.3	89.9			
July					96.7	94.4	99.8	90.1	89.4			
Aug.	92.2	91.3	93.4	86.0	96.5	94.3	99.4	90.2	89.6			
Sep.					96.2	94.4	98.4	89.9	89.2			
Oct.					96.2	94.4	98.4	89.9	89.2			
Nov.	91.9	91.3	92.7	85.7	96.2	94.4	98.5	89.8	89.1			
Dec.					95.9	94.4	97.9	89.4	88.7			
2020 Jan.					95.9	94.4	97.8	89.5	88.8			
Feb.					95.8	94.4	97.6	89.1	88.4			
Mar.	92.1	91.8	92.5	85.9	95.5	94.5	96.6	88.7	88.0			
Apr.					96.3	94.5	98.8	90.0	89.9			
May					96.1	94.7	98.0	90.0	90.2			
June	91.9	91.9	91.9	86.4	96.3	94.8	98.2	90.2	90.2			
July					97.0	94.7	100.1	90.8	90.8			
Aug.					96.0	93.4	99.7	90.0	90.2			
Sep.	92.3	91.0	94.2	86.6	97.0	94.1	101.0	90.7	91.2			
Oct.					96.8	94.0	100.9	90.7	91.1			
Nov.					96.7	93.8	100.7	90.5	91.0			
Dec.	93.1	91.4	95.5	86.9	96.5	93.7	100.5	90.1	90.5			
2021 Jan.					97.0	93.6	101.8	90.5	90.9			
Feb.					98.0	94.7	102.7	91.4	91.7			
Mar.	93.6	91.9	96.0	87.2	97.9	94.9	102.2	91.2	91.5			
Apr.					97.7	94.8	101.6	91.1	91.4			
May					97.9	94.9	102.1	91.2	91.6			
June	93.5	91.6	96.2	86.9	98.1	95.0	102.4	91.3	91.7			
July					97.9	95.1	101.9	91.1	91.5			
Aug.					97.7	95.2	101.1	91.0	91.2			
Sep.	93.5	92.0	95.6	86.8	97.4	95.1	100.5	90.7	90.9			
Oct.					97.3	94.9	100.5	90.6	90.7			
Nov.					96.7	94.6	99.4	90.0	90.2			
Dec.	93.4	92.6	94.6	86.4	96.2	94.4	98.5	89.5	89.8			
2022 Jan.					95.8	94.2	97.8	89.0	89.5			
Feb.					96.0	94.2	98.3	89.0	P	89.5		
Mar.	93.0	92.4	93.7	85.8	96.1	94.1	98.8	89.1	P	89.5		
Apr.					96.3	94.5	98.6	89.5	P	90.0		
May					96.1	94.8	97.8	89.0	P	88.9		
June	92.4	92.0	92.8	85.2	96.6	95.3	98.1	89.6	P	89.3		
July					95.7	94.3	97.5	88.8	P	88.4		
Aug.					94.9	94.2	95.5	P	88.0	P	87.6	
Sep.	94.5	94.0	94.8	P	87.7	P	87.3	
Oct.					P	96.0	P	95.1	P	89.2	P	88.7
					P	96.6	P	95.5	P	97.9	P	89.7

* 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		
					August 2022	September 2022	October 2022
Afghanistan							
Kabul	Afghani = 100 puls	B	USD 1 =	AFN 84.6650	AFN 88.1625	AFN 88.1761	AFN 88.3013
		S	USD 1 =	AFN 84.7650	AFN 88.2625	AFN 88.2761	AFN 88.4013
	AFN	B	EUR 1 =	AFN 98.5505	AFN 88.6169	AFN 85.1095	AFN 86.6791
S		EUR 1 =	AFN 98.8105	AFN 88.8769	AFN 85.3695	AFN 86.9391	
Albania							
Tirana	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 103.55	ALL 117.26	ALL 118.85	ALL 118.76
		M	EUR 1 =	ALL 122.44	ALL 117.19	ALL 116.60	ALL 118.07
Algeria							
Algiers	Algerian dinar = 100 centimes DZD	B	USD 1 =	DZD 135.0950	DZD 140.2615	DZD 140.7356	DZD 140.3298
		S	USD 1 =	DZD 135.1100	DZD 140.2765	DZD 140.7506	DZD 140.3448
	B	EUR 1 =	DZD 159.7263	DZD 140.2896	DZD 137.4002	DZD 138.7721	
	S	EUR 1 =	DZD 159.7809	DZD 140.3607	DZD 137.4711	DZD 138.8431	
Angola							
Luanda	Kwanza = 100 cêntimos AOA	B	USD 1 =	AOA .	AOA 422.6680	AOA 426.6730	AOA 479.7600
		S	USD 1 =	AOA .	AOA 436.1740	AOA 440.1390	AOA 489.8750
	M	USD 1 =	AOA 618.5901	AOA 429.4210	AOA 433.4060	AOA 484.8175	
	B	EUR 1 =	AOA .	AOA 422.9220	AOA 416.8160	AOA 476.2340	
S	EUR 1 =	AOA .	AOA 436.4790	AOA 430.0150	AOA 486.3250		
M	EUR 1 =	AOA 731.6493	AOA 429.7005	AOA 423.4155	AOA 481.2795		
Antigua und Barbuda							
St John's	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 2.6882	XCD 2.6205	XCD 2.6651	
	V, S	EUR 1 =	XCD 3.2133	XCD 2.7169	XCD 2.6484	XCD 2.6935	
Argentina 1							
Buenos Aires	Argentine peso = 100 centavos ARS	B	USD 1 =	ARS 94.9607	ARS 138.5300	ARS 147.1200	ARS 156.7100
		S	USD 1 =	ARS 95.1607	ARS 138.7300	ARS 147.3200	ARS 156.9100
	B	EUR 1 =	ARS 112.1389	ARS 139.1118	ARS 143.9569	ARS 154.7511	
S	EUR 1 =	ARS 112.6132	ARS 139.6595	ARS 144.5209	ARS 155.3409		
Armenia							
Yerevan	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 502.79	AMD 404.56	AMD 405.65	AMD 395.40
		M	EUR 1 =	AMD 595.28	AMD 403.63	AMD 396.08	AMD 392.83
Aruba							
Oranjestad	Aruban florin = 100 cents AWG	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
	B	EUR 100 =	AWG 210.44	AWG 178.03	AWG 173.89	AWG 176.92	
S	EUR 100 =	AWG 212.56	AWG 179.82	AWG 175.64	AWG 178.70		

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		
					August 2022	September 2022	October 2022
Australia							
Canberra	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7514	USD 0.6902	USD 0.6502	USD 0.6420
		M	AUD 1 =	EUR 0.6346	EUR 0.6875	EUR 0.6618	EUR 0.6446
Austria							
Vienna	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
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 1.7067	AZN 1.6671	AZN 1.6930
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 0.99500	BSD 0.96993	BSD 0.98644
		V, S	EUR 1 =	BSD 1.19748	BSD 1.01250	BSD 0.98699	BSD 1.00379
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 0.3769650	BHD 0.3651180	BHD 0.3745580
Bangladesh 1							
Dhaka	Taka = 100 poisha BDT	B	USD 1 =	BDT 85.1309	BDT 95.0000	BDT 99.0000	BDT 99.5000
		S	USD 1 =	BDT 85.1410	BDT 95.0000	BDT 102.0000	BDT 103.4300
		B	EUR 1 =	BDT 100.4158	BDT 95.1140	BDT 94.8915	BDT 98.0374
		S	EUR 1 =	BDT 100.4638	BDT 95.1520	BDT 99.8478	BDT 104.0196
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 1.99652	BBD 1.94873	BBD 1.98079
		S	EUR 1 =	BBD 2.39797	BBD 2.03395	BBD 1.98526	BBD 2.01792
Belarus							
Minsk	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.5377	BYN 2.5567	BYN 2.4803	BYN 2.4732
		M	EUR 1 =	BYN 3.0020	BYN 2.5613	BYN 2.3956	BYN 2.4560

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		
					August 2022	September 2022	October 2022
Belgium							
Brussels	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
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 1.9867	BZD 1.9373	BZD 1.9611
		S	EUR 1 =	BZD 2.3835	BZD 2.0217	BZD 1.9715	BZD 1.9957
Benin ¹							
Porto-Novo Seat of government: Cotonou	CFA franc XOF	B	USD 1 =	XOF 551.75	XOF 652.25	XOF 664.50	XOF 656.25
		S	USD 1 =	XOF 558.75	XOF 659.25	XOF 671.50	XOF 663.25
		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 0.9960	BMD 0.9709	BMD 0.9874
		V, S	EUR 1 =	BMD 1.1878	BMD 1.0043	BMD 0.9790	BMD 0.9957
Bhutan ¹							
Thimphu	Ngultrum = 100 chhetrum BTN	B	USD 1 =	BTN 72.7250	BTN 78.30	BTN 80.65	BTN 81.25
		S	USD 1 =	BTN 74.9833	BTN 80.70	BTN 83.15	BTN 83.80
		B	EUR 1 =	BTN 85.8208	BTN 78.45	BTN 78.05	BTN 80.80
		S	EUR 1 =	BTN 88.2042	BTN 80.60	BTN 80.20	BTN 83.10
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 6.8600	BOB 6.6871	BOB 6.8010
		V, S	EUR 1 =	BOB 8.2297	BOB 6.9600	BOB 6.7846	BOB 6.9001
Bosnia and Herzegovina							
Sarajevo	Convertible marka = 100 feninga BAM	B	USD 1 =	BAM 1.652476	BAM 1.944330	BAM 2.010035	BAM 1.960547
		S	USD 1 =	BAM 1.660759	BAM 1.954076	BAM 2.020111	BAM 1.970375
		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 0.0780	USD 0.0750	USD 0.0744
		S	BWP 1 =	USD 0.0897	USD 0.0778	USD 0.0748	USD 0.0742
		B	BWP 1 =	EUR 0.0761	EUR 0.0779	EUR 0.0774	EUR 0.0751
		S	BWP 1 =	EUR 0.0759	EUR 0.0778	EUR 0.0772	EUR 0.0749

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			
					August 2022	September 2022	October 2022	
Brazil								
Brasília	Brazilian real = 100 centavos	B	USD 1 =	BRL 5.3949	BRL 5.1784	BRL 5.4060	BRL 5.2564	
		S	USD 1 =	BRL 5.3956	BRL 5.1790	BRL 5.4066	BRL 5.2570	
	BRL	B	EUR 1 =	BRL 6.3727	BRL 5.2100	BRL 5.2887	BRL 5.1949	
		S	EUR 1 =	BRL 6.3752	BRL 5.2127	BRL 5.2904	BRL 5.1976	
	Brunei Darussalam ¹							
	Bandar Seri Begawan	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3349	BND 1.3890	BND 1.4244	BND 1.4041
S			USD 1 =	BND 1.3524	BND 1.4060	BND 1.4414	BND 1.4215	
BND		B	EUR 1 =	BND 1.5607	BND 1.3765	BND 1.3825	BND 1.3805	
		S	EUR 1 =	BND 1.6152	BND 1.4301	BND 1.4365	BND 1.4349	
Bulgaria								
Sofia		Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.65458	BGN 1.95583	BGN 2.00639	BGN 1.97280
	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 652.25	XOF 664.50	XOF 656.25	
	XOF	S	USD 1 =	XOF 558.75	XOF 659.25	XOF 671.50	XOF 663.25	
		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 2,023.0551	BIF 2,028.2130	BIF 2,032.5987	
		S	USD 1 =	BIF 1,998.1200	BIF 2,063.9249	BIF 2,069.1870	BIF 2,073.6613	
	BIF	B	EUR 1 =	BIF 2,313.7970	BIF 2,030.8438	BIF 1,996.9725	BIF 2,023.0455	
		S	EUR 1 =	BIF 2,360.5404	BIF 2,071.8710	BIF 2,037.3153	BIF 2,063.9151	
	Cabo Verde							
	Praia	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 93.355	CVE 109.790	CVE 113.504	CVE 110.707
S			USD 1 =	CVE 93.557	CVE 109.992	CVE 113.706	CVE 110.909	
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 4,107	KHR 4,119	KHR 4,141	
		B	EUR 1 =	KHR 4,804	KHR 4,117	KHR 4,049	KHR 4,124	
	KHR	S	EUR 1 =	KHR 4,852	KHR 4,158	KHR 4,090	KHR 4,165	
Cameroon ¹								
Yaoundé	CFA franc	B	USD 1 =	XAF 552.0688	XAF 652.1876	XAF 664.2631	XAF 641.9262	
		S	USD 1 =	XAF 556.8834	XAF 657.5549	XAF 685.8605	XAF 654.4714	
	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 1.3111	CAD 1.3707	CAD 1.3649	
		M	EUR 1 =	CAD 1.4798	CAD 1.3161	CAD 1.3383	CAD 1.3502	

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		
					August 2022	September 2022	October 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 0.8333	KYD 0.8123	KYD 0.8262
Central African Republic ¹							
Bangui	CFA franc XAF	B	USD 1 =	XAF 552.0688	XAF 652.1876	XAF 664.2631	XAF 641.9262
		S	USD 1 =	XAF 556.8834	XAF 657.5549	XAF 685.8605	XAF 654.4714
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chad ¹							
N'Djaména	CFA franc XAF	B	USD 1 =	XAF 552.0688	XAF 652.1876	XAF 664.2631	XAF 641.9262
		S	USD 1 =	XAF 556.8834	XAF 657.5549	XAF 685.8605	XAF 654.4714
		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 882.11	CLP 966.00	CLP 945.31
		M	EUR 1 =	CLP 897.37	CLP 884.76	CLP 945.21	CLP 943.61
China							
Beijing	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.4515	CNY 6.8906	CNY 7.0998	CNY 7.1768
		M	EUR 1 =	CNY 7.6186	CNY 6.9224	CNY 6.9892	CNY 7.1703
		M	HKD 1 =	CNY 0.82956	CNY 0.87788	CNY 0.90444	CNY 0.91431
China (Taiwan)							
Taipei	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 27.948	TWD 30.385	TWD 31.700	TWD 32.165
		S	USD 1 =	TWD 28.048	TWD 30.485	TWD 31.800	TWD 32.265
		B	EUR 1 =	TWD 32.91	TWD 30.25	TWD 31.06	TWD 31.80
S	EUR 1 =	TWD 33.31	TWD 30.65	TWD 31.46	TWD 32.20		
Colombia							
Bogotá	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,745.89	COP 4,400.16	COP 4,532.07	COP 4,819.42
		V, M	EUR 1 =	COP 4,427.750	COP 4,400.160	COP 4,417.862	COP 4,777.973
Comoros							
Moroni	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 554.47610	KMF 491.96775	KMF 504.68583	KMF 496.23537
		3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
Congo ¹							
Brazzaville	CFA franc XAF	B	USD 1 =	XAF 552.0688	XAF 652.1876	XAF 664.2631	XAF 641.9262
		S	USD 1 =	XAF 556.8834	XAF 657.5549	XAF 685.8605	XAF 654.4714
		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		
					August 2022	September 2022	October 2022
Congo, Democratic Republic of the							
Kinshasa	Congo franc = 100 centimes	B	USD 1 =	CDF 1,949.9472	CDF 1,971.3973	CDF 1,972.1392	CDF 1,972.4994
		S	USD 1 =	CDF 2,029.5369	CDF 2,051.8625	CDF 2,052.6347	CDF 2,053.0096
	CDF	B	EUR 1 =	CDF 2,291.5890	CDF 1,964.6303	CDF 1,909.1936	CDF 1,966.6744
		S	EUR 1 =	CDF 2,385.1233	CDF 2,044.8193	CDF 1,987.1199	CDF 2,046.9468
Cook Islands ¹							
Avarua	Cook Islands dollar ² = 100 cents	B	NZD 1 =	EUR 0.6094	EUR 0.6240	EUR 0.5944	EUR 0.5956
		S	NZD 1 =	EUR 0.5865	EUR 0.6006	EUR 0.5719	EUR 0.5731
	NZD						
Costa Rica							
San José	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 619.28	CRC 646.07	CRC 624.62	CRC 613.74
		S	USD 1 =	CRC 625.65	CRC 653.86	CRC 632.72	CRC 622.34
	CRC	V, B	EUR 1 =	CRC 731.5009	CRC 646.0700	CRC 608.8796	CRC 608.4618
		V, S	EUR 1 =	CRC 739.0335	CRC 653.8600	CRC 616.7755	CRC 616.9879
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan	CFA franc	B	USD 1 =	XOF 551.75	XOF 652.25	XOF 664.50	XOF 656.25
		S	USD 1 =	XOF 558.75	XOF 659.25	XOF 671.50	XOF 663.25
	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 7.458750	HRK 7.744748	HRK 7.543334
		S	USD 1 =	HRK 6.384379	HRK 7.503638	HRK 7.791356	HRK 7.588730
	HRK	B	EUR 1 =	HRK 7.501896	HRK 7.481127	HRK 7.504660	HRK 7.507126
		S	EUR 1 =	HRK 7.547043	HRK 7.526149	HRK 7.549824	HRK 7.552304
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 24.1296	CUP 23.1000	CUP 23.7264
	CUP	6 M	USD 1 =	CUP .	CUP 120.00	CUP 120.00	CUP 120.00
		6 M	EUR 1 =	CUP .	CUP 120.6480	CUP 115.5000	CUP 118.6320
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 178.03	ANG 173.90	ANG 176.93
	S	EUR 100 =	ANG 214.69	ANG 181.62	ANG 177.41	ANG 180.49	
Cyprus							
Nicosia	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
Czechia							
Prague	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 21.682	CZK 24.528	CZK 25.181	CZK 24.697
		M	EUR 1 =	CZK 25.648	CZK 24.545	CZK 24.550	CZK 24.485

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		
					August 2022	September 2022	October 2022
Denmark							
Copenhagen	Danish krone = 100 øre DKK	M	USD 100 =	DKK 629.18	DKK 743.71	DKK 762.87	DKK 750.90
		M	EUR 100 =	DKK 743.68	DKK 743.71	DKK 743.65	DKK 744.44
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 176.14	DJF 169.88	DJF .
		S	EUR 1 =	DJF 215.43	DJF 183.02	DJF 176.51	DJF .
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 2.6882	XCD 2.6205	XCD 2.6651
		V, S	EUR 1 =	XCD 3.2133	XCD 2.7169	XCD 2.6484	XCD 2.6935
Dominican Republic							
Santo Domingo	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 56.4066	DOP 52.4696	DOP 52.7250	DOP 53.2031
		S	USD 1 =	DOP 57.5248	DOP 54.0028	DOP 54.1823	DOP 54.4538
		B	EUR 1 =	DOP 65.9005	DOP 51.8483	DOP 50.6335	DOP 52.1188
		S	EUR 1 =	DOP 69.5595	DOP 55.4259	DOP 54.3630	DOP 55.6526
Egypt ¹							
Cairo	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 15.63	EGP 19.18	EGP 19.51	EGP 23.90
		S	USD 1 =	EGP 15.73	EGP 19.24	EGP 19.57	EGP 24.00
		B	EUR 1 =	EGP 18.4380	EGP 19.1263	EGP 18.9949	EGP 23.5965
		S	EUR 1 =	EGP 18.6426	EGP 19.3535	EGP 19.2823	EGP 23.9160
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 8.7500	SVC 8.5295	SVC 8.6748
Equatorial Guinea ¹							
Malabo	CFA franc XAF	B	USD 1 =	XAF 552.0688	XAF 652.1876	XAF 664.2631	XAF 641.9262
		S	USD 1 =	XAF 556.8834	XAF 657.5549	XAF 685.8605	XAF 654.4714
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara	Nakfa = 100 cents ERN	2 B	USD 1 =	ERN 15.00	ERN 15.00	ERN 15.00	ERN 15.00
		2 S	USD 1 =	ERN 15.15	ERN 15.15	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 17.7440	ERN 14.9760	ERN 14.5710	ERN 15.0540
		S	EUR 1 =	ERN 18.3802	ERN 15.6122	ERN 15.2072	ERN 15.6902
Estonia							
Tallinn	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914

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		
					August 2022	September 2022	October 2022
Eswatini ¹							
Mbabane	Lilangeni = 100 cents	B	USD 1 =	SZL 14.9300	SZL 17.0500	SZL 17.9084	SZL 18.2375
		S	USD 1 =	SZL 14.9386	SZL 17.0572	SZL 17.9156	SZL 18.2468
	SZL	B	EUR 1 =	SZL 17.6211	SZL 17.0941	SZL 17.5626	SZL 18.1479
		S	EUR 1 =	SZL 17.6331	SZL 17.1016	SZL 17.5728	SZL 18.1646
Ethiopia							
Addis Ababa	Birr = 100 cents	B	USD 1 =	ETB 44.1351	ETB 52.4617	ETB 52.5893	ETB 52.8777
		S	USD 1 =	ETB 45.0178	ETB 53.5109	ETB 53.6411	ETB 53.9353
	ETB	B	EUR 1 =	ETB 52.0705	ETB 52.6401	ETB 50.9433	ETB 52.5922
		S	EUR 1 =	ETB 53.1119	ETB 53.6929	ETB 51.9622	ETB 53.6440
Falkland Islands (Islas Malvinas)							
Stanley	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.72681	FKP 0.86035	FKP 0.90583	FKP 0.86862
		V	EUR 1 =	FKP 0.85960	FKP 0.86035	FKP 0.88300	FKP 0.86115
Fiji							
Suva	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4911	USD 0.4558	USD 0.4409	USD 0.4402
		S	FJD 1 =	USD 0.4741	USD 0.4388	USD 0.4239	USD 0.4232
	FJD	B	FJD 1 =	EUR 0.4137	EUR 0.4520	EUR 0.4463	EUR 0.4395
		S	FJD 1 =	EUR 0.4017	EUR 0.4400	EUR 0.4343	EUR 0.4275
Finland							
Helsinki	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
France							
Paris	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
Gabon ¹							
Libreville	CFA franc	B	USD 1 =	XAF 552.0688	XAF 652.1876	XAF 664.2631	XAF 641.9262
		S	USD 1 =	XAF 556.8834	XAF 657.5549	XAF 685.8605	XAF 654.4714
	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 54.29	GMD 55.12	GMD 58.45
		M	EUR 1 =	GMD 60.85	GMD 56.71	GMD 57.92	GMD 59.14
Georgia							
Tbilisi	Lari = 100 tetri GEL	M	USD 1 =	GEL 3.2239	GEL 2.9045	GEL 2.8352	GEL 2.7758
		M	EUR 1 =	GEL 3.8152	GEL 2.9126	GEL 2.7482	GEL 2.7591

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		
					August 2022	September 2022	October 2022
Germany							
Berlin	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
Ghana							
Accra	Ghana cedi = 100 Ghana pesewas	B S	USD 1 =	GHS 5.8147	GHS 8.2284	GHS 9.6000	GHS 13.0021
			USD 1 =	GHS 5.8206	GHS 8.2366	GHS 9.6096	GHS 13.0151
	GHS	B S	EUR 1 = EUR 1 =	GHS 6.8619 GHS 6.8688	GHS 8.2867 GHS 8.2950	GHS 9.4100 GHS 9.4194	GHS 12.8545 GHS 12.8674
Gibraltar							
Gibraltar	Gibraltar pound ² = 100 pence GIP	V V	USD 1 =	GIP 0.72681	GIP 0.86035	GIP 0.90583	GIP 0.86862
			EUR 1 =	GIP 0.85960	GIP 0.86035	GIP 0.88300	GIP 0.86115
Greece							
Athens	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
Grenada							
St George's	East Caribbean dollar = 100 cents	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
	XCD	V, B V, S	EUR 1 = EUR 1 =	XCD 3.1793 XCD 3.2133	XCD 2.6882 XCD 2.7169	XCD 2.6205 XCD 2.6484	XCD 2.6651 XCD 2.6935
Guatemala							
Guatemala City	Quetzal = 100 centavos GTQ	M V, M	USD 1 =	GTQ 7.73242	GTQ 7.73819	GTQ 7.88368	GTQ 7.82857
			EUR 1 =	GTQ 9.13640	GTQ 7.73819	GTQ 7.68501	GTQ 7.76124
Guinea							
Conakry	Guinean franc GNF	M M	USD 1 =	GNF 9,723.6035	GNF 8,593.5421	GNF 8,603.1823	GNF 8,550.1532
			EUR 1 =	GNF 11,495.2927	GNF 8,622.7609	GNF 8,350.2476	GNF 8,508.2573
Guinea-Bissau ¹							
Bissau	CFA franc	B S	USD 1 =	XOF 551.75	XOF 652.25	XOF 664.50	XOF 656.25
			USD 1 =	XOF 558.75	XOF 659.25	XOF 671.50	XOF 663.25
	XOF	4	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Guyana							
Georgetown	Guyana dollar = 100 cents	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
	GYD	B S	EUR 1 =	GYD 245.64	GYD 207.69	GYD 202.95	GYD 206.38
			EUR 1 =	GYD 248.77	GYD 210.37	GYD 205.57	GYD 209.04

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		
					August 2022	September 2022	October 2022
Haiti							
Port-au-Prince	Gourde = 100 centimes HTG	M	USD 1 =	HTG 89.8776	HTG 115.8895	HTG 117.2664	HTG 125.6432
		V, M	EUR 1 =	HTG 106.0149	HTG 115.8895	HTG 114.3113	HTG 124.5627
Honduras							
Tegucigalpa	Lempira = 100 centavos HNL	B	USD 1 =	HNL 24.0308	HNL 24.4886	HNL 24.6359	HNL 24.6900
		S	USD 1 =	HNL 24.1990	HNL 24.6110	HNL 24.7591	HNL 24.8135
		V, B	EUR 1 =	HNL 28.3919	HNL 24.4886	HNL 24.0151	HNL 24.4777
		V, S	EUR 1 =	HNL 28.5906	HNL 24.6110	HNL 24.1352	HNL 24.6001
Hong Kong							
Hong Kong	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.74263	HKD 7.81730	HKD 7.81890	HKD 7.81870
		S	USD 1 =	HKD 7.80440	HKD 7.87900	HKD 7.88070	HKD 7.88040
		B	EUR 1 =	HKD 9.11766	HKD 7.76410	HKD 7.65280	HKD 7.72140
		S	EUR 1 =	HKD 9.26113	HKD 7.90620	HKD 7.79480	HKD 7.86340
Hungary							
Budapest	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 303.29	HUF 405.88	HUF 428.57	HUF 414.46
		M	EUR 1 =	HUF 358.85	HUF 405.11	HUF 421.41	HUF 412.01
Iceland							
Reykjavík	Icelandic krona ISK	M	USD 1 =	ISK 126.865	ISK 141.70	ISK 144.55	ISK 144.54
		M	EUR 1 =	ISK 149.360	ISK 141.70	ISK 140.90	ISK 143.30
India ¹							
New Delhi	Indian rupee = 100 paise INR	M	USD 1 =	INR 73.9236	INR 79.7194	INR 81.5522	INR 82.3934
		M	EUR 1 =	INR 87.2595	INR 79.7120	INR 80.1093	INR 81.9232
Indonesia							
Jakarta	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,244.17	IDR 14,800.63	IDR 15,170.76	IDR 15,464.29
		S	USD 1 =	IDR 14,387.33	IDR 14,949.38	IDR 15,323.24	IDR 15,619.71
		B	EUR 1 =	IDR 16,855.79	IDR 14,840.59	IDR 14,639.78	IDR 15,386.97
		S	EUR 1 =	IDR 17,029.16	IDR 14,992.73	IDR 14,793.06	IDR 15,543.17
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 42,079	IRR 40,660	IRR 41,794
		3 M	USD 1 =	IRR 264,425	IRR 300,500	IRR 320,200	IRR 333,200
		3 M	EUR 1 =	IRR 311,408	IRR 301,850	IRR 314,850	IRR 329,500

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		
					August 2022	September 2022	October 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 1,450.000	IQD 1,407.370	IQD 1,437.530
		S	EUR 1 =	IQD 1,728.592	IQD 1,460.000	IQD 1,417.076	IQD 1,447.444
IQD	IQD	3 S	USD 1 =	IQD 1,472.492	IQD 1,473.715	IQD 1,476.279	IQD 1,464.365
		V, S	EUR 1 =	IQD 1,739.80	IQD 1,473.72	IQD 1,439.08	IQD 1,451.77
Ireland							
Dublin	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
Israel							
Jerusalem	New shekel = 100 agorot ILS	M	USD 1 =	ILS 3.2293	ILS 3.3410	ILS 3.5430	ILS 3.5300
		M	EUR 1 =	ILS 3.8217	ILS 3.3348	ILS 3.4858	ILS 3.4980
Italy							
Rome	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
Jamaica							
Kingston	Jamaican dollar = 100 cents JMD	B	USD 1 =	JMD 150.6347	JMD 149.7113	JMD 151.4548	JMD 152.4622
		S	USD 1 =	JMD 151.7728	JMD 151.5384	JMD 152.6756	JMD 154.0909
		B	EUR 1 =	JMD 173.5355	JMD 145.9619	JMD 142.0418	JMD 153.4742
		S	EUR 1 =	JMD 181.5006	JMD 153.5774	JMD 150.5167	JMD 157.4485
Japan							
Tokyo	Japanese yen = 100 sen JPY	B	USD 1 =	JPY 108.90	JPY 137.63	JPY 143.81	JPY 147.26
		S	USD 1 =	JPY 110.90	JPY 139.63	JPY 145.81	JPY 149.26
		B	EUR 1 =	JPY 128.84	JPY 137.53	JPY 140.82	JPY 146.09
		S	EUR 1 =	JPY 131.84	JPY 140.53	JPY 143.82	JPY 149.09
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 0.70588	JOD 0.68209	JOD 0.70177
		S	EUR 1 =	JOD 0.84081	JOD 0.71320	JOD 0.69197	JOD 0.70752
Kazakhstan ⁴							
Astana	Tenge = 100 tiyn KZT	M	USD 1 =	KZT 426.17	KZT 468.10	KZT 476.89	KZT 467.00
		M	EUR 1 =	KZT 503.87	KZT 466.27	KZT 462.20	KZT 464.76

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

value against the US dollar. ³ Market rate. ⁴ The capital of Kazakhstan was renamed from Nur-Sultan to Astana in September 2022.

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		
					August 2022	September 2022	October 2022
Kenya ¹							
Nairobi	Kenya shilling = 100 cents	B	USD 1 =	KES 109.7793	KES 119.9129	KES 120.6324	KES 121.2324
		S	USD 1 =	KES 109.9793	KES 120.1129	KES 120.8324	KES 121.4324
	KES	B	EUR 1 =	KES 129.5884	KES 119.9724	KES 117.0188	KES 120.9776
		S	EUR 1 =	KES 129.8556	KES 120.2106	KES 117.2494	KES 121.2076
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 1,331.40	KRW 1,424.90	KRW 1,417.00
		S	USD 1 =	KRW 1,156.75	KRW 1,357.60	KRW 1,453.10	KRW 1,445.00
	KRW	B	EUR 1 =	KRW 1,340.63	KRW 1,328.27	KRW 1,398.69	KRW 1,400.83
		S	EUR 1 =	KRW 1,367.70	KRW 1,355.09	KRW 1,426.93	KRW 1,429.11
Kuwait							
Kuwait	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30033	KWD 0.30650	KWD 0.30900	KWD 0.30805
		S	USD 1 =	KWD 0.30393	KWD 0.31010	KWD 0.31360	KWD 0.31165
	KWD	B	EUR 1 =	KWD 0.354874	KWD 0.306377	KWD 0.301692	KWD 0.304846
		S	EUR 1 =	KWD 0.359128	KWD 0.309976	KWD 0.306183	KWD 0.308409
Kyrgyzstan							
Bishkek	Kyrgyz som = 100 tyjyn KGS	M	USD 1 =	KGS 84.6925	KGS 80.6990	KGS 80.1829	KGS 83.2481
		M	EUR 1 =	KGS 100.1818	KGS 80.8927	KGS 77.5048	KGS 82.7902
Lao People's Democratic Republic							
Vientiane	Kip	B	USD 1 =	LAK 9,812	LAK 15,406	LAK 16,493	LAK 17,270
		S	USD 1 =	LAK 9,831	LAK 15,437	LAK 16,526	LAK 17,353
	LAK	B	EUR 1 =	LAK 11,579	LAK 15,432	LAK 16,180	LAK 17,110
		S	EUR 1 =	LAK 11,644	LAK 15,546	LAK 16,299	LAK 17,279
Latvia							
Riga	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
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 1,514.13	LBP 1,482.93	LBP 1,497.70
	LBP	³ M	USD 1 =	LBP 17,817.00 ⁴	LBP 27,200.00	LBP 29,800.00	LBP 30,100.00
		V, M	EUR 1 =	LBP 20,625.24 ⁴	LBP 27,200.00	LBP 29,049.04	LBP 29,841.14

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			
					August 2022	September 2022	October 2022	
Lesotho ¹								
Maseru	Loti = 100 lisente LSL	M	USD 1 =	LSL 14.9194	LSL 17.0310	LSL 17.9902	LSL 18.0678	²
		M	EUR 1 =	LSL 17.6004	LSL 17.0497	LSL 17.5422	LSL 17.8251	²
Liberia ¹								
Monrovia	Liberian dollar = 100 cents LRD	B	USD 1 =	LRD 164.6458	LRD 152.9931	LRD 152.8412	LRD 152.7815	
		S	USD 1 =	LRD 166.1336	LRD 154.6583	LRD 154.6926	LRD 154.5718	
		V, B V, S	EUR 1 = EUR 1 =	LRD 194.7908 LRD 196.5456	LRD 152.9931 LRD 154.6583	LRD 148.9896 LRD 150.7943	LRD 151.4676 LRD 153.2425	
Libya								
Tripoli	Libyan dinar = 1,000 dirham LYD	B	USD 1 =	LYD 4.5088	LYD 4.9189	LYD 5.0415	LYD 4.9846	
		S	USD 1 =	LYD 4.5314	LYD 4.9436	LYD 5.0667	LYD 5.0095	
		B	EUR 1 =	LYD 5.3197	LYD 4.9327	LYD 4.8711	LYD 4.9561	
		S	EUR 1 =	LYD 5.3464	LYD 4.9574	LYD 4.8955	LYD 4.9810	
Lithuania								
Luxembourg	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914	
Macao ¹								
Macao	Pataca = 100 avos MOP	B	USD 1 =	MOP 8.0001	MOP 8.0759	MOP 8.0779	MOP 8.0777	
		S	USD 1 =	MOP 8.0263	MOP 8.1021	MOP 8.1041	MOP 8.1039	
		B	EUR 1 =	MOP 9.4482	MOP 8.0715	MOP 7.8780	MOP 8.0265	
		S	EUR 1 =	MOP 9.4897	MOP 8.1130	MOP 8.0430	MOP 8.0657	
Madagascar								
Antananarivo	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,837.78	MGA 4,102.62	MGA 4,179.60	MGA 4,254.62	
		M	EUR 1 =	MGA 4,529.18	MGA 4,084.35	MGA 4,048.72	MGA 4,213.43	
Malawi								
Lilongwe	Malawi kwacha = 100 tambala MWK	B	USD 1 =	MWK 793.6108	MWK 1,016.6211	MWK 1,016.6211	MWK 1,016.6211	
		S	USD 1 =	MWK 809.3864	MWK 1,036.2485	MWK 1,036.2485	MWK 1,036.2485	
		B	EUR 1 =	MWK 937.3776	MWK 1,050.8893	MWK 1,027.0150	MWK 1,040.6275	
		S	EUR 1 =	MWK 956.0102	MWK 1,071.1784	MWK 1,046.8431	MWK 1,060.7185	
Malaysia								
Kuala Lumpur Seat of government: Putrajaya	Malaysian ringgit = 100 sen MYR	B	USD 1 =	MYR 4.0772	MYR 4.4074	MYR 4.5553	MYR 4.6462	
		S	USD 1 =	MYR 4.2153	MYR 4.5616	MYR 4.7147	MYR 4.8088	
		B	EUR 1 =	MYR 4.8162	MYR 4.3971	MYR 4.4611	MYR 4.6050	
		S	EUR 1 =	MYR 4.9977	MYR 4.5766	MYR 4.6432	MYR 4.8074	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 50. ¹ See Explanatory notes on individual countries, pp. 53 ff. ² Exchange rate as of 7 November 2022.

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		
					August 2022	September 2022	October 2022
Maldives							
Malé	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.38	MVR 15.38	MVR 15.39	MVR 15.40
		V, M	EUR 1 =	MVR 18.16588	MVR 15.38000	MVR 15.00217	MVR 15.26756
Mali 1							
Bamako	CFA franc XOF	B	USD 1 =	XOF 551.75	XOF 652.25	XOF 664.50	XOF 656.25
		S	USD 1 =	XOF 558.75	XOF 659.25	XOF 671.50	XOF 663.25
		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 1.0000	USD 0.9748	USD 0.9914
Mauritania							
Nouakchott	Ouguiya MRU	B	USD 1 =	MRU 35.97	MRU 37.51	MRU 37.70	MRU 37.79
		S	USD 1 =	MRU 36.33	MRU 37.88	MRU 38.07	MRU 38.16
		B	EUR 1 =	MRU 42.51	MRU 37.43	MRU 36.60	MRU 37.54
		S	EUR 1 =	MRU 42.94	MRU 37.80	MRU 36.97	MRU 37.91
Mauritius							
Port Louis	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 41.2469	MUR 44.2400	MUR 44.6607	MUR 43.5243
		S	USD 1 =	MUR 42.1464	MUR 45.1393	MUR 45.5600	MUR 44.4236
		B	EUR 1 =	MUR 48.5562	MUR 44.3985	MUR 43.6973	MUR 43.2663
		S	EUR 1 =	MUR 49.8831	MUR 45.6635	MUR 44.9069	MUR 44.4724
Mexico							
Mexico City	Mexican peso = 100 centavos MXN	M	USD 1 =	MXN 20.30618	MXN 20.1432	MXN 20.1271	MXN 19.8103
		V, M	EUR 1 =	MXN 24.12793	MXN 20.1432	MXN 19.6199	MXN 19.6399
Moldova, Republic of							
Chisinau	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 17.67450	MDL 19.3609	MDL 19.5520	MDL 19.3295
		M	EUR 1 =	MDL 20.89660	MDL 19.3309	MDL 18.9917	MDL 19.2261
Mongolia							
Ulan Bator	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,849.38	MNT 3,200.22	MNT 3,344.09	MNT 3,390.99
		M	EUR 1 =	MNT 3,367.11	MNT 3,200.86	MNT 3,288.08	MNT 3,367.25
Morocco							
Rabat	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 8.9920	MAD 10.5834	MAD 10.9961	MAD 10.9235
		M	EUR 1 =	MAD 10.6331	MAD 10.5686	MAD 10.7322	MAD 10.8525

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		
					August 2022	September 2022	October 2022
Mozambique							
Maputo	Metical = 100 centavos	B S	USD 1 =	MZN 64.55	MZN 63.24	MZN 63.24	MZN 63.24
			USD 1 =	MZN 65.84	MZN 64.50	MZN 64.50	
	MZN	B S	EUR 1 =	MZN 76.28	MZN 63.31	MZN 61.69	MZN 62.67
			EUR 1 =	MZN 77.80	MZN 64.57	MZN 62.92	MZN 63.92
Myanmar							
Nay Pyi Taw	Kyat = 100 pyas MMK	M M	USD 1 =	MMK 1,630.93	MMK 2,100.00	MMK 2,100.00	MMK 2,100.00
			EUR 1 =	MMK 1,924.25	MMK 2,096.00	MMK 2,056.50	MMK 2,085.10
Namibia 1							
Windhoek	Namibia dollar = 100 cents NAD	M M	USD 1 =	NAD 14.9336	NAD 16.8924	NAD 17.9876	NAD 18.1992
			EUR 1 =	NAD 17.6294	NAD 16.9606	NAD 17.6551	NAD 18.1275
Nepal							
Kathmandu	Nepalese rupee = 100 paisa	B S	USD 1 =	NPR 117.93	NPR 126.83	NPR 130.68	NPR 131.66
			USD 1 =	NPR 118.53	NPR 127.43	NPR 131.28	NPR 132.26
	NPR	B S	EUR 1 =	NPR 139.30	NPR 127.36	NPR 126.71	NPR 131.20
			EUR 1 =	NPR 140.01	NPR 127.97	NPR 127.29	NPR 131.80
Netherlands							
Amsterdam Seat of government: The Hague	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
New Caledonia 1							
Nouméa	CFP franc XPF	V 2	XPF 1,000 =	USD 9.91	USD 8.38	USD 8.17	USD 8.31
			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 0.6264	USD 0.5828	USD 0.5929
			NZD 1 =	USD 0.7026	USD 0.6029	USD 0.5609	USD 0.5707
	NZD	B S	NZD 1 =	EUR 0.6094	EUR 0.6240	EUR 0.5944	EUR 0.5956
			NZD 1 =	EUR 0.5865	EUR 0.6006	EUR 0.5719	EUR 0.5731
Nicaragua							
Managua	Córdoba = 100 centavos NIO	M V, M	USD 1 =	NIO 35.1991	NIO 35.9923	NIO 36.0510	NIO 36.1117
			EUR 1 =	NIO 41.58493	NIO 35.99230	NIO 35.14251	NIO 35.80114

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		
					August 2022	September 2022	October 2022
Niger ¹							
Niamey	CFA franc	B	USD 1 =	XOF 551.75	XOF 652.25	XOF 664.50	XOF 656.25
		S	USD 1 =	XOF 558.75	XOF 659.25	XOF 671.50	XOF 663.25
	XOF	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 422.48	NGN 431.87	NGN 438.02
		S	USD 1 =	NGN 399.28	NGN 424.48	NGN 432.87	NGN 439.02
	NGN	B	EUR 1 =	NGN 470.0003	NGN 423.3250	NGN 419.7776	NGN 435.2167
		S	EUR 1 =	NGN 472.1110	NGN 425.3290	NGN 420.7496	NGN 436.2103
North Macedonia							
Skopje	North Macedonia denar = 100 deni	B	USD 1 =	MKD 51.8785	MKD 60.9782	MKD 63.0409	MKD 61.6886
		S	USD 1 =	MKD 52.3999	MKD 61.5910	MKD 63.6745	MKD 62.3086
	MKD	B	EUR 1 =	MKD 61.3252	MKD 61.1855	MKD 61.1875	MKD 61.3863
		S	EUR 1 =	MKD 61.9416	MKD 61.8005	MKD 61.8025	MKD 62.0033
Norway							
Oslo	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.5681	NOK 9.7622	NOK 10.6689	NOK 10.3458
		S	USD 1 =	NOK 8.6441	NOK 9.8382	NOK 10.7449	NOK 10.4218
	NOK	B	EUR 1 =	NOK 10.1309	NOK 9.7817	NOK 10.4528	NOK 10.2720
		S	EUR 1 =	NOK 10.2159	NOK 9.8667	NOK 10.5378	NOK 10.3570
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
	OMR	B	EUR 1 =	OMR 0.4530272	OMR 0.3853824	OMR 0.3719424	OMR 0.3826176
		S	EUR 1 =	OMR 0.4543257	OMR 0.3865400	OMR 0.3729495	OMR 0.3836525
Pakistan							
Islamabad	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 163.17	PKR 220.10	PKR 229.45	PKR 222.40
		S	USD 1 =	PKR 163.67	PKR 220.60	PKR 229.95	PKR 222.90
	PKR	B	EUR 1 =	PKR 193.17	PKR 221.26	PKR 225.35	PKR 222.05
		S	EUR 1 =	PKR 193.76	PKR 221.76	PKR 225.84	PKR 222.54
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 1.0000	PAB 0.9748	PAB 0.9914
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
	PGK	B	PGK 1 =	EUR 0.2418	EUR 0.2839	EUR 0.2897	EUR 0.2857
		S	PGK 1 =	EUR 0.2268	EUR 0.2689	EUR 0.2747	EUR 0.2707

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		
					August 2022	September 2022	October 2022
Paraguay							
Asunción	Guaraní = 100 céntimos	B S	USD 1 =	PYG 6,763.04	PYG 6,888.28	PYG 7,078.87	PYG 7,237.87
			USD 1 =	PYG 6,781.64	PYG 6,896.70	PYG 7,090.20	PYG 7,254.43
	PYG	V, B V, S	EUR 1 = EUR 1 =	PYG 7,993.68 PYG 8,015.16	PYG 6,888.28 PYG 6,896.70	PYG 6,900.48 PYG 6,911.53	PYG 7,175.62 PYG 7,192.04
Peru							
Lima	Sol = 100 céntimos	B S	USD 1 =	PEN 3.879	PEN 3.839	PEN 3.978	PEN 3.984
			USD 1 =	PEN 3.886	PEN 3.847	PEN 3.984	PEN 3.993
	PEN	B S	EUR 1 =	PEN 4.517	PEN 3.716	PEN 3.631	PEN 3.606
			EUR 1 =	PEN 4.782	PEN 4.259	PEN 4.167	PEN 4.309
Philippines							
Manila	Philippine peso = 100 centavos	B S	USD 1 =	PHP 49.00	PHP 55.90	PHP 58.45	PHP 57.65
			USD 1 =	PHP 49.50	PHP 56.40	PHP 58.95	PHP 58.15
	PHP	B S	EUR 1 = EUR 1 =	PHP 55.9728 PHP 60.0324	PHP 54.6219 PHP 57.7289	PHP 55.9468 PHP 59.0820	PHP 55.7193 PHP 59.2331
Poland							
Warsaw	Polish zloty = 100 groszy PLN	M M	USD 1 =	PLN 3.8647	PLN 4.7360	PLN 4.9533	PLN 4.7340
			EUR 1 =	PLN 4.5775	PLN 4.7265	PLN 4.8698	PLN 4.7089
Portugal							
Lisbon	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
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 3.6400	QAR 3.5483	QAR 3.6087
Romania							
Bucharest	Romanian leu = 100 bani RON	M M	USD 1 =	RON 4.1630	RON 4.8707	RON 5.0469	RON 4.9487
			EUR 1 =	RON 4.9244	RON 4.8605	RON 4.9490	RON 4.9141
Russian Federation							
Moscow	Russian rouble = 100 kopecks RUB	M M	USD 1 =	RUB 73.6685	RUB 60.3677	RUB 57.4130	RUB 61.5343
			EUR 1 =	RUB 87.2582	RUB 60.5752 ³	RUB 55.4064 ³	RUB 61.1328 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		
					August 2022	September 2022	October 2022
Rwanda							
Kigali	Rwanda franc = 100 centimes	B	USD 1 =	RWF 979.780622	RWF 1,024.481588	RWF 1,031.613702	RWF 1,038.450139
		S	USD 1 =	RWF 999.374255	RWF 1,044.969150	RWF 1,052.243892	RWF 1,059.217045
	RWF	B	EUR 1 =	RWF 1,158.76928	RWF 1,028.62357	RWF 1,011.49724	RWF 1,034.19249
		S	EUR 1 =	RWF 1,181.94233	RWF 1,049.19396	RWF 1,031.72514	RWF 1,054.87426
Saint Helena, Ascension and Tristan da Cunha							
Jamestown	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.72681	SHP 0.86035	SHP 0.90583	SHP 0.86862
		V	EUR 1 =	SHP 0.85960	SHP 0.86035	SHP 0.88300	SHP 0.86115
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 2.6882	XCD 2.6205	XCD 2.6651
		V, S	EUR 1 =	XCD 3.2133	XCD 2.7169	XCD 2.6484	XCD 2.6935
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 2.6882	XCD 2.6205	XCD 2.6651
		V, S	EUR 1 =	XCD 3.2133	XCD 2.7169	XCD 2.6484	XCD 2.6935
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 2.6882	XCD 2.6205	XCD 2.6651
		V, S	EUR 1 =	XCD 3.2133	XCD 2.7169	XCD 2.6484	XCD 2.6935
Samoa							
Apia	Tala = 100 sene WST	M	WST 1 =	USD 0.39108	USD 0.36724	USD 0.35540	USD 0.35619
		M	WST 1 =	EUR 0.33107	EUR 0.36616	EUR 0.36278	EUR 0.35814
Sao Tome and Principe							
São Tomé	Dobra = 100 cêntimos	B	USD 1 =	STN 20.7642	STN 24.4170	STN 25.6142	STN 24.6206
		S	USD 1 =	STN 21.0757	STN 24.7832	STN 25.9984	STN 24.9900
	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 3.75000	SAR 3.65550	SAR 3.71775

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		
					August 2022	September 2022	October 2022
Senegal ¹							
Dakar	CFA franc	B	USD 1 =	XOF 551.75	XOF 652.25	XOF 664.50	XOF 656.25
		S	USD 1 =	XOF 558.75	XOF 659.25	XOF 671.50	XOF 663.25
		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 116.5155	RSD 119.1949	RSD 117.5092
		S	USD 1 =	RSD 99.7349	RSD 117.2167	RSD 119.9123	RSD 118.2164
		B	EUR 1 =	RSD 117.2203	RSD 117.0165	RSD 116.9659	RSD 116.9569
	RSD	S	EUR 1 =	RSD 117.9257	RSD 117.7207	RSD 117.6699	RSD 117.6607
Seychelles							
Victoria	Seychelles rupee = 100 cents	B	USD 1 =	SCR 16.2706	SCR 13.9246	SCR 14.0145	SCR 14.1439
		S	USD 1 =	SCR 16.9477	SCR 14.4618	SCR 14.7084	SCR 14.6145
		B	EUR 1 =	SCR 19.1849	SCR 14.0841	SCR 13.8521	SCR 14.0513
	SCR	S	EUR 1 =	SCR 20.0962	SCR 14.6217	SCR 14.4391	SCR 14.7329
Sierra Leone ¹							
Freetown	Leone = 100 cents	B	USD 1 =	SLL 10,373.56	SLE 14.0796	SLE 15.7110	SLE 17.2604
		S	USD 1 =	SLL 10,585.67	SLE 14.2211	SLE 15.8689	SLE 17.4338
		B	EUR 1 =	SLL 12,252.77	SLE 14.1075	SLE 15.4592	SLE 17.1256
	SLL/SLE ¹	S	EUR 1 =	SLL 12,496.53	SLE 14.2431	SLE 15.6119	SLE 17.2962
Singapore ¹							
Singapore	Singapore dollar = 100 cents	M	USD 1 =	SGD 1.3433	SGD 1.3950	SGD 1.4340	SGD 1.4112
		M	EUR 1 =	SGD 1.5871	SGD 1.3996	SGD 1.4053	SGD 1.4063
	SGD						
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 178.03	ANG 173.90	ANG 176.93
	ANG	S	EUR 100 =	ANG 214.69	ANG 181.62	ANG 177.41	ANG 180.49
Slovakia							
Bratislava	Euro = 100 cent		M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748
	EUR						USD 0.9914
Slovenia							
Ljubljana	Euro = 100 cent		M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748
	EUR						USD 0.9914
Solomon Islands							
Honiara	Solomon Islands dollar = 100 cents		M	SBD 1 =	USD 0.1245	USD 0.1210	USD 0.1224
			M	SBD 1 =	EUR 0.10541	EUR 0.12100	EUR 0.12500
	SBD						EUR 0.12200

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		
					August 2022	September 2022	October 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 16.8696	ZAR 17.8153	ZAR 18.1763
		S	USD 1 =	ZAR 14.9228	ZAR 17.2379	ZAR 18.1819	ZAR 18.5422
	ZAR	B	EUR 1 =	ZAR 17.3023	ZAR 16.7571	ZAR 17.2723	ZAR 17.8553
		S	EUR 1 =	ZAR 17.7763	ZAR 17.3653	ZAR 17.8835	ZAR 18.4756
South Sudan							
Juba	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 317.0607	SSP 652.0199	SSP 619.9279	SSP 615.0725
	SSP	M	EUR 1 =	SSP 372.1906	SSP 649.7719	SSP 600.8970	SSP 612.0899
Spain							
Madrid	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1827	USD 1.0000	USD 0.9748	USD 0.9914
Sri Lanka							
Colombo	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 196.9317	LKR 357.5571	LKR 359.1618	LKR 360.6537
		S	USD 1 =	LKR 201.6169	LKR 368.9007	LKR 369.9103	LKR 371.2103
	LKR	B	EUR 1 =	LKR 232.1963	LKR 356.2636	LKR 349.9242	LKR 356.3481
		S	EUR 1 =	LKR 239.8119	LKR 371.6946	LKR 364.6306	LKR 371.4353
Sudan							
Khartoum	Sudanese pound = 100 piastres	B	USD 1 =	SDG 392.3129	SDG 573.5625	SDG 574.9805	SDG 576.4753
		S	USD 1 =	SDG 395.0050	SDG 579.3125	SDG 581.3275	SDG 582.8388
	SDG	B	EUR 1 =	SDG 461.9386	SDG 574.2991	SDG 555.7433	SDG 572.9021
		S	EUR 1 =	SDG 465.1035	SDG 581.5139	SDG 562.7250	SDG 580.0994
Suriname							
Paramaribo	Suriname dollar = 100 cents	B	USD 1 =	SRD 19.085	SRD 25.492	SRD 26.640	SRD 29.526
		S	USD 1 =	SRD 19.411	SRD 25.743	SRD 26.707	SRD 29.656
	SRD	B	EUR 1 =	SRD 22.182	SRD 24.985	SRD 26.375	SRD 28.771
		S	EUR 1 =	SRD 22.664	SRD 25.568	SRD 27.018	SRD 29.076
Sweden							
Stockholm	Swedish krona = 100 öre	B	USD 1 =	SEK 8.5290	SEK 10.6161	SEK 11.0702	SEK 10.9394
		S	USD 1 =	SEK 8.6340	SEK 10.7211	SEK 11.1752	SEK 11.0444
	SEK	B	EUR 1 =	SEK 10.0942	SEK 10.6248	SEK 10.8602	SEK 10.8448
		S	EUR 1 =	SEK 10.2092	SEK 10.7398	SEK 10.9752	SEK 10.9598

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		
					August 2022	September 2022	October 2022
Switzerland							
Berne	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9143	CHF 0.9771	CHF 0.9762	CHF 0.9992
		B	EUR 1 =	CHF 1.0798	CHF 0.9753	CHF 0.9603	CHF 0.9936
Syrian Arab Republic ¹							
Damascus	Syrian pound = 100 piastres SYP	2 B	USD 1 =	SYP 2,187.50	SYP 2,800.00	SYP 3,000.00	SYP 3,000.00
		2 B	USD 1 =	SYP 2,209.25	SYP 2,828.00	SYP 3,030.00	SYP 3,030.00
		2 B	EUR 1 =	SYP 2,574.25	SYP 2,799.00	SYP 2,905.00	SYP 2,988.00
		2 B	EUR 1 =	SYP 2,599.99	SYP 2,826.99	SYP 2,934.05	SYP 3,017.88
Tajikistan							
Dushanbe	Somoni = 100 diram TJS	M	USD 1 =	TJS 11.3083	TJS 10.2492	TJS 10.2200	TJS 10.2148
		M	EUR 1 =	TJS 13.3782	TJS 10.2769	TJS 9.9901	TJS 10.1678
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,286.3493	TZS 2,293.6436	TZS 2,296.4554	TZS 2,296.7723
		S	USD 1 =	TZS 2,309.2125	TZS 2,316.5800	TZS 2,319.4200	TZS 2,319.7400
		B	EUR 1 =	TZS 2,701.4482	TZS 2,301.2126	TZS 2,232.6140	TZS 2,283.2213
		S	EUR 1 =	TZS 2,729.2322	TZS 2,325.1513	TZS 2,255.8679	TZS 2,306.9814
Thailand							
Bangkok	Thai baht = 100 satang THB	B	USD 1 =	THB 31.8272	THB 36.3165	THB 37.7454	THB 37.8631
		S	USD 1 =	THB 32.1710	THB 36.6404	THB 38.0679	THB 38.1937
		B	EUR 1 =	THB 37.5324	THB 36.2063	THB 36.8328	THB 37.4584
		S	EUR 1 =	THB 38.3022	THB 36.9534	THB 37.5769	THB 38.2034
Togo ¹							
Lomé	CFA franc XOF	B	USD 1 =	XOF 551.75	XOF 652.25	XOF 664.50	XOF 656.25
		S	USD 1 =	XOF 558.75	XOF 659.25	XOF 671.50	XOF 663.25
		3	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 0.4244	USD 0.4123	USD 0.4136
		M	TOP 1 =	EUR 0.3731	EUR 0.4224	EUR 0.4194	EUR 0.4142
Trinidad and Tobago							
Port-of-Spain	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7168	TTD 6.6620	TTD 6.6892	TTD 6.6854
		S	USD 1 =	TTD 6.7684	TTD 6.7789	TTD 6.7767	TTD 6.7748
		B	EUR 1 =	TTD 7.9996	TTD 6.8271	TTD 6.5772	TTD 6.6574
		S	EUR 1 =	TTD 8.5618	TTD 7.1973	TTD 6.9534	TTD 7.1678

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 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			
					August 2022	September 2022	October 2022	
Tunisia								
Tunis	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 2.7782	TND 3.2022	TND 3.2530	TND 3.2286	
		S	USD 1 =	TND 2.7810	TND 3.2055	TND 3.2562	TND 3.2319	
	TND	B	EUR 1 =	TND 3.2860	TND 3.1952	TND 3.1772	TND 3.1935	
		S	EUR 1 =	TND 3.2892	TND 3.1983	TND 3.1803	TND 3.1966	
Turkey								
Ankara	Turkish lira = 100 kuruş	B	USD 1 =	TRY 8.8869	TRY 18.1648	TRY 18.5038	TRY 18.5880	
		S	USD 1 =	TRY 8.9029	TRY 18.1975	TRY 18.5371	TRY 18.6215	
	TRY	B	EUR 1 =	TRY 10.6978	TRY 18.0933	TRY 17.9232	TRY 18.6837	
		S	EUR 1 =	TRY 10.7171	TRY 18.1259	TRY 17.9555	TRY 18.7174	
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 3.5144	TMT 3.3915	TMT 3.4871	
Kampala	Uganda shilling	B	USD 1 =	UGX 3,577.15	UGX 3,805.74	UGX 3,851.30	UGX 3,800.22	
		S	USD 1 =	UGX 3,587.15	UGX 3,815.74	UGX 3,861.30	UGX 3,810.22	
	UGX	B	EUR 1 =	UGX 4,224.32	UGX 3,811.46	UGX 3,708.52	UGX 3,799.46	
		S	EUR 1 =	UGX 4,236.12	UGX 3,821.47	UGX 3,718.15	UGX 3,809.46	
Ukraine ¹								
Kyiv	Hryvnia = 100 kopyok	M	USD 1 =	UAH 27.2680	UAH 36.5686	UAH 36.5686	UAH 36.5686	
		M	EUR 1 =	UAH 32.2611	UAH 36.6564	UAH 35.5611	UAH 36.4095	
UAH	AED	2	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725	
		V, M	EUR 1 =	AED 4.3436	AED 3.6725	AED 3.5800	AED 3.6409	
	United Arab Emirates ¹							
	London	Pound sterling = 100 pence	M	GBP 1 =	USD 1.3757	USD 1.1638	USD 1.1170	USD 1.1514
M			EUR 1 =	GBP 0.8581	GBP 0.8640	GBP 0.8769	GBP 0.8585	
GBP								
United States								
Washington	US dollar = 100 cents	M	EUR 1 =	USD 1.17966	USD 1.0057	USD 0.9799	USD 0.9883	
		M	GBP 1 =	USD 1.37555	USD 1.1622	USD 1.1160	USD 1.1469	
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 *

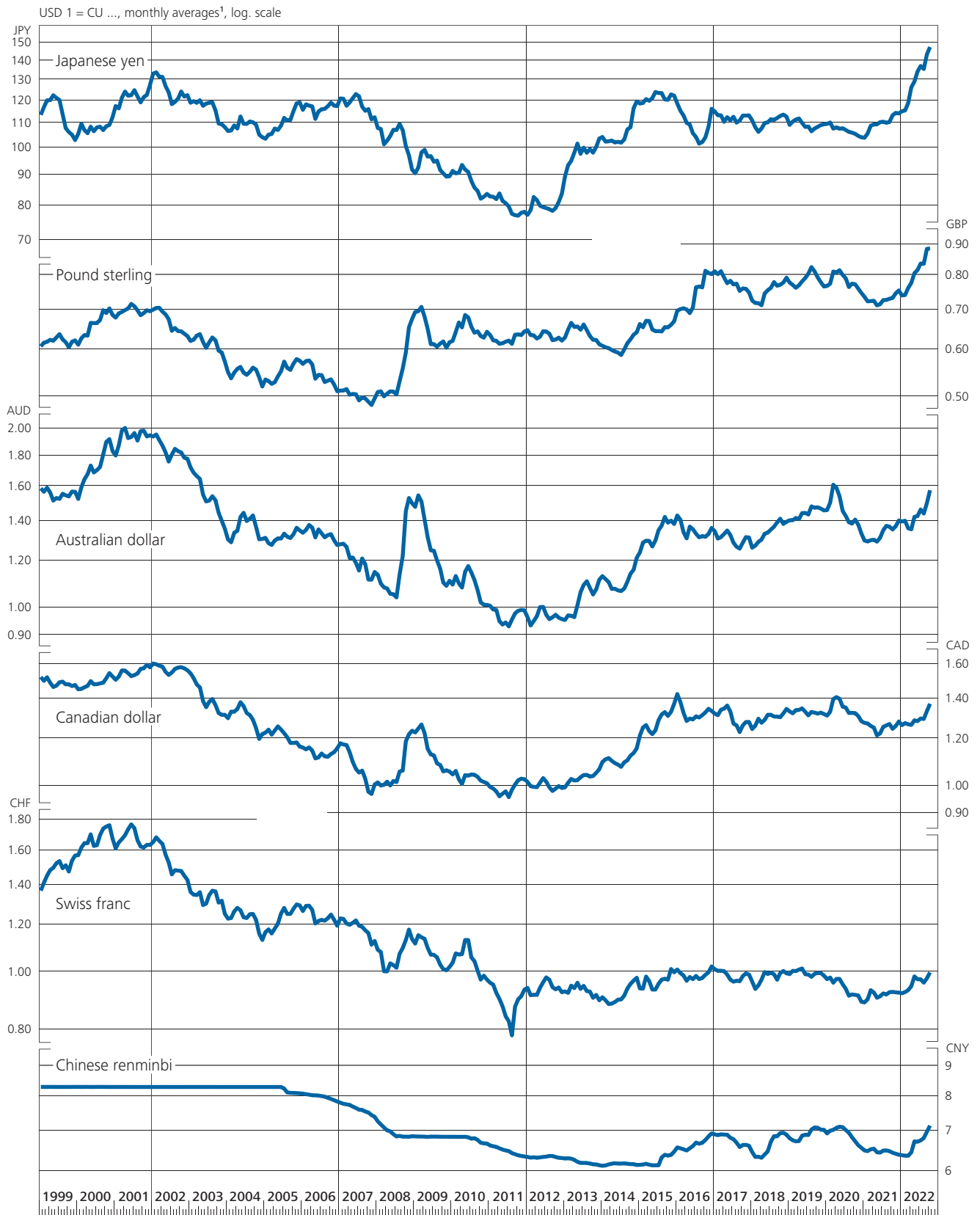
1. Currencies and exchange rates in individual countries (cont'd)

Country ¹ Capital	Currency ISO currency code	Type of rate	Unit	Annual average 2021	Rate at end of month		
					August 2022	September 2022	October 2022
Uruguay							
Montevideo	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 43.574	UYU 40.960	UYU 41.736	UYU 40.608
		M	EUR 1 =	UYU 51.5154	UYU 41.1464	UYU 40.9368	UYU 40.1309
Uzbekistan							
Tashkent	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 10,624.97	UZS 10,930.01	UZS 11,014.01	UZS 11,180.48
		M	EUR 1 =	UZS 12,568.72	UZS 10,966.08	UZS 10,674.78	UZS 11,129.05
Vanuatu							
Port Vila	Vatu VUV	B	USD 1 =	VUV 107.78	VUV 115.85	VUV 119.75	VUV 119.70
		S	USD 1 =	VUV 114.63	VUV 123.22	VUV 127.36	VUV 127.31
		B	EUR 1 =	VUV 128.25	VUV 116.67	VUV 118.65	VUV 120.23
		S	EUR 1 =	VUV 133.43	VUV 121.38	VUV 123.44	VUV 125.09
Venezuela, Bolivarian Republic of ¹							
Caracas	Bolivar = 100 céntimos VES	B	USD 1 =	VES 3.387736 ¹	VES 7.872470	VES 8.183091	VES 8.570321
		S	USD 1 =	VES 3.396227 ¹	VES 7.892200	VES 8.203600	VES 8.591800
		B	EUR 1 =	VES 3.978432 ¹	VES 7.908447	VES 8.029740	VES 8.522327
		S	EUR 1 =	VES 3.988403 ¹	VES 7.928267	VES 8.049865	VES 8.543686
Viet Nam							
Hanoi	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 22,814	VND 23,320	VND 23,730	VND 24,599
		S	USD 1 =	VND 23,014	VND 23,600	VND 24,010	VND 24,879
		B	EUR 1 =	VND 26,590.89	VND 23,139.19	VND 23,027.10	VND 24,335.21
		S	EUR 1 =	VND 27,719.15	VND 24,190.54	VND 24,072.65	VND 25,438.51
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 15.8532	ZMW 15.7448	ZMW 16.1466
		S	USD 1 =	ZMW 19.7248	ZMW 15.9032	ZMW 15.7935	ZMW 16.1953
		B	EUR 1 =	ZMW 23.2872	ZMW 15.8897	ZMW 15.3464	ZMW 16.0045
		S	EUR 1 =	ZMW 23.3512	ZMW 15.9430	ZMW 15.4003	ZMW 16.0544
Zimbabwe ¹							
Harare	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	ZWL 89.77495	ZWL 546.82540 ³	ZWL 621.53210 ³	ZWL 632.13710 ³
		M	EUR 1 =	ZWL 105.85241	ZWL 548.90495 ³	ZWL 609.94090 ³	ZWL 628.85185 ³
		⁴ M	USD 1 =	ZWL .	ZWL 546.82540	ZWL 621.89220	ZWL 632.77030
		⁴ M	EUR 1 =	ZWL .	ZWL 548.96015	ZWL 610.33015	ZWL 629.35845

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 Nov.	1.43009	1.19373	9.41673	148.544	1.070790	1.85411	1.29166	8.88289	12.60700	12.1290
2020 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
2021 Feb.	1.43927	1.18742	9.30691	152.894	1.033590	1.82572	1.30405	8.82979	12.35050	11.9590
2021 Mar.	1.41721	1.20871	9.29731	156.885	1.029650	1.78214	1.33650	8.98949	12.08160	12.3636
2021 Apr.	1.43599	1.18853	9.29861	156.451	1.032190	1.76411	1.30596	8.80375	11.82980	12.0400
2021 May	1.44467	1.18435	9.21175	157.758	1.022770	1.75160	1.29738	8.80716	12.07480	12.0046
2021 June	1.42642	1.20029	9.21311	157.620	1.028940	1.76791	1.31645	8.92554	12.20900	12.1393
2021 July	1.42877	1.20156	9.22526	156.450	1.022890	1.78053	1.29325	8.93711	12.54490	12.2277
2021 Aug.	1.42426	1.20353	9.20073	156.483	1.034390	1.79698	1.30170	8.94943	12.34820	12.2378
2021 Sep.	1.40887	1.21675	9.10606	157.667	1.048660	1.80099	1.31934	9.04781	12.36820	12.3855
2021 Oct.	1.41538	1.21544	9.04486	160.858	1.026830	1.75281	1.28948	9.04159	11.85000	12.0583
2021 Nov.	1.40080	1.23277	8.92530	159.411	1.049950	1.79190	1.28712	9.16792	12.67230	12.6469
2021 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
2022 Feb.	1.39486	1.24553	8.80282	161.176	1.041370	1.77120	1.28565	9.26715	12.38860	13.2894
2022 Mar.	1.38240	1.24529	8.76816	169.206	1.053220	1.72745	1.27886	9.26235	12.09310	12.8067
2022 Apr.	1.34430	1.27543	8.85442	174.625	1.069500	1.71963	1.30471	9.49109	12.43860	13.1293
2022 May	1.34970	1.25987	8.99062	173.032	1.072130	1.70710	1.29578	9.37269	12.72250	13.2277
2022 June	1.32778	1.27831	8.88920	181.415	1.096520	1.71098	1.27374	9.50959	13.22850	13.5691
2022 July	1.32360	1.29790	8.90599	176.039	1.086520	1.69738	1.25954	9.66137	12.87810	13.4163
2022 Aug.	1.30134	1.30134	8.97070	180.379	1.120300	1.70619	1.27545	9.67820	12.93380	13.8835
2022 Sep.	1.27988	1.31297	9.08174	185.250	1.156590	1.74885	1.25364	9.76381	13.89620	14.2357
2022 Oct.	1.28329	1.29443	9.35891	190.236	1.112280	1.75157	1.28310	9.63623	13.33620	14.1058
2022 Sep. 26	1.27199	1.31867	9.09852	183.166	1.186060	1.74466	1.25965	9.80623	13.65940	14.3619
2022 Sep. 27	1.27188	1.31883	9.09662	183.723	1.177390	1.74578	1.25541	9.80758	13.64630	14.2951
2022 Sep. 28	1.26686	1.32447	9.17111	183.263	1.189090	1.73053	1.25349	9.84979	13.85080	14.4837
2022 Sep. 29	1.27588	1.31453	9.19397	184.174	1.177830	1.74885	1.24921	9.77555	13.73920	14.4862
2022 Sep. 30	1.27988	1.31297	9.08174	185.250	1.156590	1.74885	1.25364	9.76381	13.89620	14.2357
2022 Oct. 3	1.28068	1.31164	.	185.506	1.143520	1.74966	1.26781	9.75400	13.85810	14.1988
2022 Oct. 4	1.28809	1.30228	.	186.386	1.135080	1.74845	1.27218	9.68561	13.66280	14.0485
2022 Oct. 5	1.29001	1.30107	.	185.671	1.134770	1.75970	1.26795	9.67839	13.64280	14.0431
2022 Oct. 6	1.28725	1.30552	.	186.110	1.143150	.	1.26659	9.71176	13.61380	14.0921
2022 Oct. 7	1.28252	1.30909	.	185.991	1.145510	.	1.27053	9.73710	13.67970	14.3014
2022 Oct. 11	1.27650	1.31287	9.17204	186.024	1.153270	1.75838	1.27267	9.76639	13.68470	14.4205
2022 Oct. 12	1.27590	1.31455	9.14913	186.511	1.151430	1.76100	1.26990	9.78014	13.69040	14.4714
2022 Oct. 13	1.27636	1.31057	9.17743	187.434	1.144210	1.76215	1.27470	9.74858	13.56760	14.5048
2022 Oct. 14	1.27650	1.31367	9.16716	188.117	1.135070	1.76871	1.28020	9.77078	.	14.3852
2022 Oct. 17	1.27658	1.31079	9.19405	189.675	1.131570	1.75275	1.27914	9.74953	13.55630	14.4244
2022 Oct. 18	1.27876	1.30021	9.19439	190.407	1.135620	1.75906	1.27543	9.67268	13.46090	14.2084
2022 Oct. 19	1.27620	1.30518	9.21167	190.384	1.133800	1.75848	1.27984	9.70921	13.55070	14.1990
2022 Oct. 20	1.27688	1.30148	9.23591	191.443	1.138540	1.75303	1.28147	9.68157	13.53800	14.3037
2022 Oct. 21	1.27273	1.30805	9.22424	191.393	1.143970	1.74530	1.28698	9.72952	13.64490	14.3356
2022 Oct. 24	1.27719	1.29651	9.27059	186.470	1.129810	1.75256	1.28000	9.64404	13.47330	14.3491
2022 Oct. 25	1.27795	1.29597	9.33829	190.415	1.127940	1.74287	1.28121	9.64032	13.46640	14.2485
2022 Oct. 26	1.29060	1.28764	9.31576	191.215	1.115850	1.75069	1.27730	9.57753	13.31520	14.1047
2022 Oct. 27	1.29039	1.28563	9.33393	188.539	1.116110	1.74809	1.27781	9.56343	13.29600	14.0255
2022 Oct. 28	1.28542	1.29175	9.31619	188.442	1.114170	1.75010	1.27931	9.61354	13.26560	14.1445
2022 Oct. 31	1.28329	1.29443	9.35891	190.236	1.112280	1.75157	1.28310	9.63623	13.33620	14.1058
2022 Nov. 1	1.28571	1.29256	9.35235	191.223	1.112350	1.75036	1.27741	9.62158	13.16280	14.0476
2022 Nov. 2	1.28335	1.29527	9.34038	189.346	1.115670	1.74921	1.27841	9.64078	13.26200	14.1017
2022 Nov. 3	1.27321	1.30545	9.31480	.	1.135680	1.75053	1.29059	9.71685	13.51700	14.2298
2022 Nov. 4	1.27835	1.29492	9.29040	189.515	1.140160	1.72794	1.28608	9.63670	13.21070	14.2444
2022 Nov. 7	1.28755	1.28846	9.33376	189.296	1.124890	1.73730	1.27448	9.58515	13.21380	14.0130
2022 Nov. 8	1.28805	1.28857	9.34903	188.700	1.123370	1.73127	1.27556	9.58414	13.24580	13.9885
2022 Nov. 9	1.29022	1.28521	9.35191	188.011	1.125800	1.73922	1.26777	9.55959	13.26590	13.8571
2022 Nov. 10	1.28501	1.29094	9.31784	188.035	1.129720	1.71908	1.27170	9.60218	13.37610	13.9977
2022 Nov. 11	1.30910	1.26998	9.30362	186.481	1.113130	.	1.25346	9.44662	13.03440	13.8001
2022 Nov. 14	1.30868	1.26822	9.20980	182.691	1.112110	1.73897	1.23978	9.43334	13.08080	13.5969

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				GYD	Guyana dollar	Guyana
ANG	Netherlands Antillean guilder	Curaçao Sint Maarten (southern part)	DJF	Djibouti franc	Djibouti	HKD	Hong Kong dollar	Hong Kong
AOA	Kwanza	Angola	DKK	Danish krone	Denmark Faroe Islands Greenland	HNL	Lempira	Honduras
ARS	Argentine peso	Argentina	DOP	Dominican peso	Dominican Republic	HRK	Kuna	Croatia
AUD	Australian dollar	Australia Christmas Island Cocos Islands Kiribati Nauru Norfolk Island Tuvalu	DZD	Algerian dinar	Algeria	HTG	Gourde	Haiti
			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/Frameworkfortheeuroforeignexchangerate-reference-rates.en.pdf?c883afa875c74877fdf4634dcb85688c>.

Effective euro exchange rates

The indices of the nominal effective exchange rates of the euro are designed to measure, in aggregated form, the impact of changes in exchange rates on the price competitiveness of the euro area economy as a whole. They are calculated by the Deutsche Bundesbank on the basis of weighted averages of the bilateral euro exchange rates against the currencies of selected trading partners of the euro area, with Q1 1999 = 100. An increase in the index rate indicates an appreciation of the euro and thus, taken in isolation, a negative impact on the price competitiveness of the domestic economy. The weights are based on the trade in manufactured goods (Sections 5 to 8 of the Standard International Trade Classification (SITC)) and

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

The table entitled "Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro" on page 49 shows trading partners' membership of the EER-19 and EER-42 groups as well as their percentage weights. To prevent breaks in the time series, the indices of two consecutive weighting periods are chain-linked beyond the end of the preceding period. See the ECB's website for information on the revised trade weights published from July 2020 (<https://www.ecb.europa.eu/stats/pdf/exchange/updatedtradeweights201708202007.pdf?f184ad85cc2c5ccef05680706893cde>).

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

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

Indicators of the German economy's price competitiveness

The calculation of indicators of the German economy's price competitiveness is methodically consistent with the ECB's procedure for determining the effective exchange rates of the euro. For more detailed information on methodology and weighting scale, see the website of the Deutsche Bundesbank (<https://www.bundesbank.de/content/796162>).

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

The group of 26 selected industrialised countries comprises the respective composition of euro area countries (see Table I. 1., p. 7) as well as Canada, Denmark, Japan,

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

Figures in %

As of July 2020

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

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

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

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

Overview of world currencies

The end-of-month exchange rates listed in Table IV. 1. (pp. 18-40) are the latest rates known to us at the end of a given month; in general, they have been taken from reliable sources (central bank or a commercial bank in the country in question). However, we do not know whether transactions were actually executed at those rates in all cases. If no exchange rates for euro or US dollar are available from a country, we have calculated comparative values at the exchange rates or parities available and identified them with a "V" in the column "type of rate".

The previous-year average specified in this table was basically calculated from all of the rates or comparable figures available to us.

In addition to the generally accepted currency name and its abbreviation, the three-character alphabetical ISO currency code is specified (see Table VII., pp. 46-47). This was developed by the International Organization for Standardization as ISO Standard 4217. This currency code is designed to enable uniformly abbreviated designations for currency-related values to be used in international financial transactions. This applies, inter alia, to all external payments under the SWIFT system. The ISO code should not, however, be confused with the official national currency abbreviations.

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 Argentine Tax Authority (Administración Federal de Ingresos Públicos, or AFIP) has been levying an additional tax of 35% on the aforementioned transactions since 16 September 2020. In July and October 2022, the AFIP increased this additional tax for certain transactions to which it is applied.

Bangladesh

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

Benin

Benin, Burkina Faso, Côte d'Ivoire, Guinea-Bissau, Mali, Niger, Senegal and Togo all belong to the West African Economic and Monetary Union (UEMOA = Union Économique et Monétaire Ouest Africaine). The responsible monetary authority is the Banque Centrale des Etats de l'Afrique de l'Ouest, whose CFA franc (F.CFA = Franc de la Communauté Financière Africaine) is legal tender only in the aforementioned countries.

Bhutan

The Indian rupee is likewise legal tender alongside the Bhutanese ngultrum (convertible at par).

Brunei Darussalam

Under an agreement between Brunei Darussalam and Singapore, the Singapore dollar (convertible at par) is also accepted as customary tender.

Burkina Faso

See Explanatory notes on Benin.

Cameroon

Cameroon, the Central African Republic, Chad, Congo, Equatorial Guinea and Gabon all belong to the Central African Economic and Monetary Community (CEMAC = Communauté Économique et Monétaire de l'Afrique Centrale). The responsible monetary authority is the Banque des Etats de l'Afrique Centrale, whose CFA franc (F.CFA = Franc de la Coopération Financière en Afrique Centrale) is legal tender only in the aforementioned countries.

Central African Republic

See Explanatory notes on Cameroon.

Chad

See Explanatory notes on Cameroon.

Congo

See Explanatory notes on Cameroon.

Cook Islands

The New Zealand dollar is also legal tender alongside the Cook Islands dollar (convertible at par).

Côte d'Ivoire

See Explanatory notes on Benin.

Cuba

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 all transactions by households and enterprises.

It is understood that there is a considerably different, black market rate alongside the official, published exchange rates. According to press reports, this rate was around 170 Cuban pesos at the beginning of November 2022.

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

Egypt

With effect from 27 October 2022, the Central Bank of Egypt adopted a more flexible exchange rate regime.

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

26 October 2022 USD 1 = EGP 19.67 / 19.73
 EUR 1 = EGP 19.5598 / 19.8227

27 October 2022 USD 1 = EGP 22.85 / 22.95
 EUR 1 = EGP 22.8203 / 23.1634.

Calculated using these exchange rates, the Egyptian pound experienced a devaluation of 14.0% against the US dollar and 14.4% against the euro (calculated on the basis of the middle rates).

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 bureaux.

Kenya

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

Korea, Democratic People’s Republic of

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

Lebanon

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 should 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.

It is understood that there is a considerably different, black market rate alongside the official, published exchange rates. According to press reports, this rate was around 39,000 Lebanese pound at the beginning of November 2022.

Lesotho

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

Liberia

The US dollar is likewise legal tender alongside the Liberian dollar.

Macao

The Hong Kong dollar, to which the pataca is pegged at a rate of HKD 100 = MOP 103, is in circulation as a common currency alongside the pataca.

Mali

See Explanatory notes on Benin.

Namibia

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

New Caledonia

CFP was originally the abbreviation for "Colonies Françaises du Pacifique" and is still used as a currency symbol (in connection with the franc).

Niger

See Explanatory notes on Benin.

Nigeria

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

Panama

The US dollar is legal tender alongside the balboa, which is in circulation exclusively in coin form.

Senegal

See Explanatory notes on Benin.

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 March 2023.

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.

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 2021 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 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.