



Exchange rate statistics February 2020

Statistical Supplement 5
to the Monthly Report

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Abbreviations and symbols

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	Data unknown, not to be published or not meaningful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

Discrepancies in the totals are due to rounding.

I. Euro area and exchange rate stability convergence criterion

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

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

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

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

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

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

2001. ³ Until 31 December 2010; accession to the euro area on 1 January 2011. ⁴ Until 31 December 2014; accession to the euro area on 1 January 2015. ⁵ Until 31 December 2006; accession to the euro area on 1 January 2007. ⁶ Until 31 December 2007; accession to the euro area on 1 January 2008. ⁷ Until 31 December 2013; accession to the euro area on 1 January 2014. ⁸ 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. Daily rates

EUR 1 = CU ...

Period		EU member countries							
		Bulgaria Bulgarian lev BGN	Croatia Kuna HRK	Czechia Czech koruna CZK	Denmark Danish krone DKK	Hungary Hungarian forint HUF	Poland Polish zloty PLN	Romania Romanian leu RON	Sweden Swedish krona SEK
2019 Nov.	1	1.9558	7.4600	25.514	7.4712	328.33	4.2535	4.7547	10.6993
	4	1.9558	7.4488	25.511	7.4713	328.78	4.2588	4.7542	10.7035
	5	1.9558	7.4486	25.536	7.4712	329.84	4.2643	4.7583	10.6943
	6	1.9558	7.4343	25.498	7.4713	331.68	4.2693	4.7627	10.6440
	7	1.9558	7.4295	25.534	7.4720	332.73	4.2653	4.7602	10.6253
	8	1.9558	7.4345	25.486	7.4727	333.37	4.2610	4.7638	10.7025
	11	1.9558	7.4391	25.510	7.4722	334.35	4.2737	4.7643	10.7085
	12	1.9558	7.4417	25.499	7.4723	334.39	4.2747	4.7625	10.7003
	13	1.9558	7.4415	25.591	7.4725	334.75	4.2874	4.7633	10.7353
	14	1.9558	7.4383	25.560	7.4720	333.87	4.2926	4.7673	10.6940
	15	1.9558	7.4380	25.583	7.4723	334.80	4.2785	4.7686	10.6518
	18	1.9558	7.4400	25.593	7.4726	335.27	4.2915	4.7744	10.6603
	19	1.9558	7.4429	25.565	7.4721	334.93	4.2877	4.7763	10.6475
	20	1.9558	7.4395	25.541	7.4731	333.41	4.2932	4.7803	10.6935
	21	1.9558	7.4395	25.520	7.4732	333.75	4.2970	4.7813	10.6568
	22	1.9558	7.4365	25.513	7.4727	334.29	4.2977	4.7741	10.6265
	25	1.9558	7.4365	25.485	7.4716	335.23	4.2965	4.7723	10.6158
	26	1.9558	7.4355	25.505	7.4720	336.16	4.3015	4.7766	10.5808
	27	1.9558	7.4390	25.515	7.4712	335.95	4.3109	4.7841	10.5580
	28	1.9558	7.4370	25.574	7.4715	336.25	4.3212	4.7850	10.5463
	29	1.9558	7.4385	25.515	7.4713	333.82	4.3185	4.7823	10.4995
Dec.	2	1.9558	7.4380	25.534	7.4712	332.98	4.3001	4.7794	10.5385
	3	1.9558	7.4400	25.527	7.4719	331.75	4.2845	4.7777	10.5653
	4	1.9558	7.4385	25.520	7.4715	331.01	4.2792	4.7754	10.5523
	5	1.9558	7.4390	25.526	7.4716	330.85	4.2753	4.7785	10.5418
	6	1.9558	7.4390	25.533	7.4722	330.19	4.2772	4.7800	10.5183
	9	1.9558	7.4388	25.528	7.4723	331.58	4.2837	4.7789	10.5435
	10	1.9558	7.4398	25.527	7.4731	330.85	4.2903	4.7773	10.5565
	11	1.9558	7.4385	25.522	7.4728	330.74	4.2869	4.7793	10.4595
	12	1.9558	7.4390	25.519	7.4732	329.40	4.2836	4.7791	10.4495
	13	1.9558	7.4398	25.508	7.4731	328.85	4.2726	4.7795	10.4490
	16	1.9558	7.4401	25.483	7.4731	329.01	4.2657	4.7791	10.4213
	17	1.9558	7.4465	25.445	7.4731	329.71	4.2595	4.7771	10.4718
	18	1.9558	7.4486	25.490	7.4720	330.77	4.2706	4.7760	10.4483
	19	1.9558	7.4398	25.473	7.4723	330.52	4.2617	4.7710	10.4780
	20	1.9558	7.4390	25.445	7.4720	330.50	4.2593	4.7705	10.4340
	23	1.9558	7.4460	25.499	7.4719	331.24	4.2609	4.7733	10.4473
	24	1.9558	7.4455	25.485	7.4712	331.76	4.2598	4.7790	10.4553
	27	1.9558	7.4475	25.509	7.4704	330.83	4.2671	4.7818	10.4363
	30	1.9558	7.4485	25.463	7.4697	331.04	4.2567	4.7821	10.4400
	31	1.9558	7.4395	25.408	7.4715	330.53	4.2568	4.7830	10.4468
2020 Jan.	2	1.9558	7.4445	25.411	7.4719	329.98	4.2544	4.7828	10.4728
	3	1.9558	7.4463	25.360	7.4731	330.53	4.2493	4.7784	10.4858
	6	1.9558	7.4450	25.301	7.4732	329.66	4.2415	4.7743	10.5308
	7	1.9558	7.4478	25.276	7.4731	331.28	4.2457	4.7778	10.5423
	8	1.9558	7.4490	25.265	7.4731	331.08	4.2429	4.7774	10.5108
	9	1.9558	7.4460	25.253	7.4731	332.51	4.2422	4.7785	10.5330
	10	1.9558	7.4445	25.265	7.4731	333.85	4.2462	4.7796	10.5510
	13	1.9558	7.4445	25.230	7.4732	334.29	4.2348	4.7784	10.5598
	14	1.9558	7.4450	25.155	7.4731	332.77	4.2219	4.7795	10.5248
	15	1.9558	7.4443	25.144	7.4727	332.94	4.2265	4.7803	10.5590
	16	1.9558	7.4418	25.170	7.4729	333.84	4.2324	4.7790	10.5678
	17	1.9558	7.4378	25.147	7.4729	335.59	4.2367	4.7803	10.5450
	20	1.9558	7.4358	25.125	7.4726	336.39	4.2433	4.7794	10.5548
	21	1.9558	7.4375	25.066	7.4725	335.32	4.2438	4.7785	10.5523
	22	1.9558	7.4375	25.136	7.4729	335.61	4.2378	4.7784	10.5528
	23	1.9558	7.4438	25.159	7.4732	337.19	4.2439	4.7788	10.5473
	24	1.9558	7.4415	25.160	7.4730	336.01	4.2565	4.7799	10.5363
	27	1.9558	7.4415	25.231	7.4728	337.53	4.2715	4.7808	10.5795
	28	1.9558	7.4410	25.221	7.4728	337.18	4.2731	4.7784	10.5993
	29	1.9558	7.4420	25.208	7.4728	337.39	4.2837	4.7770	10.5753
	30	1.9558	7.4423	25.250	7.4729	338.36	4.2873	4.7770	10.6398
	31	1.9558	7.4440	25.210	7.4731	337.05	4.3009	4.7789	10.6768
Feb.	3	1.9558	7.4465	25.177	7.4729	337.70	4.2968	4.7788	10.6808
	4	1.9558	7.4518	25.143	7.4729	336.32	4.2753	4.7763	10.6278
	5	1.9558	7.4568	25.055	7.4728	335.76	4.2491	4.7734	10.5450
	6	1.9558	7.4563	24.893	7.4725	336.76	4.2451	4.7655	10.5550
	7	1.9558	7.4550	25.030	7.4724	338.15	4.2653	4.7613	10.5455

* See Explanatory notes, p. 51.

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

Other European and non-European countries									Period
Australia	Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia		
Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Indonesian rupiah IDR		
1.6151	4.4437	1.4682	7.8440	8.7298	138.10	78.8160	15,640.93	2019 Nov. 1	
1.6158	4.4644	1.4680	7.8425	8.7461	137.90	78.9205	15,643.31	4	
1.6079	4.4655	1.4584	7.7734	8.7040	137.70	78.5290	15,516.50	5	
1.6070	4.4242	1.4599	7.7604	8.6786	137.70	78.6855	15,542.64	6	
1.6059	4.5238	1.4585	7.7271	8.6689	137.70	78.5490	15,501.71	7	
1.6065	4.5583	1.4561	7.7115	8.6372	137.70	78.6520	15,463.05	8	
1.6105	4.5949	1.4607	7.7404	8.6422	137.70	78.9905	15,540.68	11	
1.6087	4.5868	1.4588	7.7187	8.6202	137.70	78.9690	15,499.48	12	
1.6127	4.6017	1.4592	7.7281	8.6204	137.70	79.3190	15,522.75	13	
1.6213	4.5928	1.4588	7.7210	8.6098	135.20	79.1000	15,508.18	14	
1.6221	4.6296	1.4608	7.7343	8.6361	135.90	79.1630	15,528.15	15	
1.6242	4.6201	1.4622	7.7629	8.6593	135.90	79.4260	15,588.27	18	
1.6234	4.6465	1.4633	7.7829	8.6709	136.30	79.3975	15,607.49	19	
1.6227	4.6409	1.4711	7.7786	8.6549	135.90	79.4230	15,602.04	20	
1.6282	4.6453	1.4759	7.7933	8.6739	136.30	79.5675	15,624.45	21	
1.6287	4.6313	1.4679	7.7834	8.6525	136.30	79.2710	15,575.19	22	
1.6232	4.6295	1.4648	7.7454	8.6164	135.90	78.9370	15,512.47	25	
1.6251	4.6915	1.4663	7.7576	8.6256	135.40	78.8165	15,538.08	26	
1.6220	4.6743	1.4605	7.7353	8.6176	135.00	78.5495	15,517.01	27	
1.6253	4.6793	1.4625	7.7416	8.6136	135.00	78.8095	15,517.93	28	
1.6228	4.6459	1.4614	7.7172	8.5954	134.00	78.6875	15,490.11	29	
1.6240	4.6654	1.4656	7.7625	8.6297	134.80	78.9785	15,569.99	Dec. 2	
1.6186	4.6545	1.4747	7.8140	8.6675	134.40	79.4300	15,615.65	3	
1.6203	4.6521	1.4707	7.8149	8.6753	134.20	79.2615	15,629.75	4	
1.6251	4.6794	1.4610	7.8125	8.6853	134.40	79.0195	15,603.71	5	
1.6190	4.6402	1.4618	7.7993	8.6852	134.60	79.0435	15,554.41	6	
1.6228	4.5903	1.4675	7.7960	8.6692	134.30	78.7070	15,506.11	9	
1.6275	4.5891	1.4666	7.7968	8.6691	134.70	78.5610	15,518.88	10	
1.6194	4.5590	1.4661	7.7960	8.6538	135.10	78.4115	15,554.28	11	
1.6165	4.5788	1.4676	7.8374	8.6923	136.70	78.9355	15,630.78	12	
1.6159	4.5664	1.4712	7.7900	8.7062	137.00	79.0610	15,626.84	13	
1.6177	4.5491	1.4621	7.8025	8.6856	136.80	79.1063	15,609.97	16	
1.6294	4.5409	1.4690	7.8090	8.6953	136.60	79.2035	15,615.64	17	
1.6227	4.5097	1.4624	7.7783	8.6566	137.20	78.8950	15,558.78	18	
1.6188	4.5163	1.4588	7.7931	8.6687	137.20	79.0320	15,551.77	19	
1.6088	4.5175	1.4579	7.7764	8.6511	136.40	79.0035	15,510.83	20	
1.6008	4.5220	1.4577	7.7652	8.6232	135.40	78.9455	15,489.50	23	
1.6019	4.5246	1.4582	7.7643	8.6290	135.60	78.9525	15,495.40	24	
1.5996	4.5157	1.4592	7.8025	8.6845	135.60	79.6370	15,573.91	27	
1.5992	4.5128	1.4621	7.8175	8.7133	135.80	79.8120	15,565.65	30	
1.5995	4.5157	1.4598	7.8205	8.7473	135.80	80.1870	15,595.60	31	
1.6006	4.4870	1.4549	7.7946	8.7203	136.90	79.9065	15,540.92	2020 Jan. 2	
1.6031	4.5271	1.4471	7.7712	8.6713	136.90	80.0085	15,536.69	3	
1.6119	4.5461	1.4525	7.8049	8.6978	137.30	80.5175	15,604.44	6	
1.6251	4.5625	1.4520	7.7562	8.6836	137.30	80.2650	15,501.15	7	
1.6195	4.5092	1.4470	7.7184	8.6424	137.10	79.7090	15,441.51	8	
1.6193	4.5194	1.4505	7.7011	8.6317	137.70	79.1620	15,387.35	9	
1.6132	4.5188	1.4498	7.6773	8.6137	136.60	78.6915	15,263.99	10	
1.6117	4.5832	1.4514	7.6697	8.6504	137.20	78.8225	15,243.73	13	
1.6110	4.6056	1.4528	7.6536	8.6447	137.20	78.7285	15,219.55	14	
1.6188	4.6350	1.4565	7.6746	8.6591	136.60	78.8825	15,262.30	15	
1.6115	4.6519	1.4559	7.6837	8.6812	137.00	79.2210	15,223.35	16	
1.6122	4.6390	1.4498	7.6186	8.6292	137.40	78.9567	15,184.91	17	
1.6154	4.6360	1.4487	7.6112	8.6112	137.60	78.7840	15,118.30	20	
1.6177	4.6661	1.4512	7.6732	8.6362	137.80	79.1345	15,197.89	21	
1.6184	4.6486	1.4465	7.6530	8.6170	137.80	78.8665	15,137.71	22	
1.6149	4.6253	1.4599	7.6897	8.6201	137.80	79.0965	15,141.43	23	
1.6127	4.6084	1.4491	7.6509	8.5770	137.40	78.6700	15,002.91	24	
1.6291	4.6467	1.4539	7.6477	8.5745	137.40	78.7425	14,999.51	27	
1.6290	4.6196	1.4516	7.6338	8.5578	137.20	78.4545	15,008.07	28	
1.6299	4.6089	1.4496	7.6310	8.5503	135.90	78.4170	14,991.61	29	
1.6412	4.6836	1.4577	7.6504	8.5678	135.90	79.0110	15,094.84	30	
1.6494	4.7157	1.4627	7.6664	8.5843	136.30	78.9055	15,091.51	31	
1.6521	4.7170	1.4647	7.7681	8.5935	137.30	79.0035	15,207.45	Feb. 3	
1.6439	4.6704	1.4671	7.7298	8.5805	137.90	78.7120	15,146.81	4	
1.6299	4.6614	1.4644	7.6858	8.5572	138.10	78.4330	15,036.47	5	
1.6282	4.6553	1.4610	7.6676	8.5420	138.10	78.2845	15,000.81	6	
1.6417	4.7078	1.4604	7.6711	8.5168	137.90	78.3625	15,063.25	7	

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

1. 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
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
2019 Nov.	1	3.9272	120.43	1,300.09	4.6400	21.3164	1.7326	10.1638	56.286
	4	3.9279	120.93	1,296.92	4.6311	21.3095	1.7358	10.1668	56.376
	5	3.8880	120.93	1,284.34	4.5886	21.3072	1.7339	10.1525	56.012
	6	3.8644	120.88	1,284.30	4.5874	21.3050	1.7385	10.1260	56.126
	7	3.8623	120.90	1,279.27	4.5682	21.1970	1.7383	10.0715	55.917
	8	3.8533	120.72	1,276.66	4.5609	21.1383	1.7426	10.0893	55.809
	11	3.8591	120.29	1,288.00	4.5749	21.1057	1.7348	10.0910	56.138
	12	3.8578	120.24	1,281.79	4.5630	21.0924	1.7382	10.0798	55.959
	13	3.8482	119.79	1,288.15	4.5713	21.3723	1.7228	10.1390	56.025
	14	3.8271	119.49	1,287.87	4.5720	21.3699	1.7223	10.1198	55.788
	15	3.8352	119.95	1,285.34	4.5817	21.2194	1.7255	10.0345	55.849
	18	3.8250	120.55	1,289.14	4.5964	21.2907	1.7275	10.0860	56.081
	19	3.8313	120.46	1,292.01	4.6053	21.3370	1.7259	10.0853	56.371
	20	3.8425	119.96	1,294.49	4.6066	21.4802	1.7222	10.1455	56.279
	21	3.8309	120.46	1,303.11	4.6244	21.5649	1.7239	10.1018	56.419
	22	3.8332	120.03	1,303.07	4.6123	21.4472	1.7236	10.1083	56.235
	25	3.8114	119.88	1,293.96	4.5997	21.3437	1.7187	10.1065	55.915
	26	3.8147	120.09	1,296.87	4.6097	21.4669	1.7165	10.0968	56.016
	27	3.8205	120.18	1,295.88	4.5930	21.4480	1.7121	10.1020	55.958
	28	3.8170	120.50	1,298.00	4.5929	21.5787	1.7136	10.1130	55.900
	29	3.8136	120.43	1,295.81	4.5882	21.4483	1.7090	10.1045	55.838
Dec.	2	3.8327	120.75	1,306.52	4.6071	21.5670	1.7019	10.1353	56.317
	3	3.8596	120.39	1,319.15	4.6216	21.6958	1.7000	10.1668	56.583
	4	3.8462	120.45	1,321.20	4.6280	21.6167	1.6980	10.1723	56.519
	5	3.8418	120.69	1,320.69	4.6256	21.4895	1.6997	10.1613	56.402
	6	3.8465	120.44	1,317.31	4.6145	21.4658	1.6886	10.1235	56.348
	9	3.8434	120.15	1,319.29	4.6074	21.3499	1.6890	10.1238	56.316
	10	3.8372	120.27	1,320.74	4.6130	21.2903	1.6945	10.1823	56.243
	11	3.8503	120.44	1,321.50	4.6122	21.2920	1.6924	10.1495	56.279
	12	3.8749	120.95	1,323.39	4.6324	21.2831	1.6906	10.1350	56.476
	13	3.8894	122.43	1,308.97	4.6199	21.2518	1.6873	10.0630	56.441
	16	3.8922	121.97	1,304.67	4.6167	21.2022	1.6859	10.0280	56.421
	17	3.8996	122.31	1,299.38	4.6239	21.1278	1.6974	10.0648	56.413
	18	3.8930	121.81	1,296.56	4.5999	21.0900	1.6920	10.0353	56.271
	19	3.8827	121.73	1,296.60	4.6047	21.1158	1.6898	9.9785	56.263
	20	3.8584	121.31	1,286.58	4.5942	21.0259	1.6811	9.9463	56.284
	23	3.8452	121.18	1,288.52	4.5878	21.0016	1.6732	9.9130	56.471
	24	3.8464	121.19	1,287.71	4.5832	21.0106	1.6716	9.9118	56.331
	27	3.8611	122.23	1,294.42	4.6034	21.0989	1.6655	9.8578	56.574
	30	3.8749	122.19	1,294.35	4.5948	21.0850	1.6638	9.8460	56.784
	31	3.8845	121.94	1,296.28	4.5953	21.2202	1.6653	9.8638	56.900
2020 Jan.	2	3.8690	121.75	1,298.24	4.5764	21.1383	1.6718	9.8408	56.825
	3	3.8766	120.54	1,300.32	4.5725	21.1433	1.6718	9.8315	56.983
	6	3.8913	121.02	1,308.83	4.5940	21.1418	1.6788	9.8488	57.247
	7	3.8731	121.15	1,302.48	4.5727	21.0852	1.6833	9.8548	56.832
	8	3.8541	120.86	1,297.37	4.5588	20.9079	1.6739	9.8508	56.420
	9	3.8556	121.54	1,288.28	4.5445	20.8637	1.6796	9.8665	56.250
	10	3.8476	121.60	1,286.00	4.5212	20.8634	1.6769	9.8745	55.998
	13	3.8604	122.25	1,288.09	4.5199	20.9084	1.6769	9.8955	56.147
	14	3.8541	122.32	1,285.74	4.5288	20.9406	1.6803	9.8920	56.242
	15	3.8561	122.43	1,289.22	4.5409	20.9542	1.6905	9.8820	56.521
	16	3.8575	122.80	1,293.87	4.5377	20.9901	1.6769	9.9058	56.776
	17	3.8372	122.31	1,288.37	4.5041	20.8338	1.6782	9.8890	56.548
	20	3.8326	122.14	1,286.08	4.5022	20.6940	1.6796	9.8815	56.489
	21	3.8405	122.31	1,298.12	4.5255	20.8194	1.6811	9.9360	56.689
	22	3.8279	121.93	1,290.57	4.5078	20.7417	1.6782	9.9590	56.499
	23	3.8336	121.50	1,295.15	4.5140	20.7527	1.6797	9.9678	56.514
	24	3.8100	120.96	1,289.12	4.4857	20.7170	1.6684	9.9375	56.092
	27	3.8151	120.11	1,298.34	4.4822	20.8715	1.6814	10.0363	56.084
	28	3.8033	120.02	1,297.20	4.4972	20.7316	1.6844	10.0758	55.878
	29	3.8053	120.06	1,296.65	4.4884	20.6109	1.6868	10.0563	55.929
	30	3.8080	120.03	1,315.00	4.5087	20.6985	1.6973	10.1738	56.246
	31	3.8090	120.35	1,321.60	4.5297	20.8044	1.7083	10.1893	56.382
Feb.	3	3.8135	120.10	1,319.12	4.5526	20.8183	1.7106	10.2590	56.293
	4	3.8130	120.52	1,310.75	4.5424	20.6722	1.7102	10.1948	56.102
	5	3.7981	120.94	1,302.97	4.5382	20.4923	1.7006	10.1173	55.961
	6	3.7770	120.87	1,301.78	4.5349	20.4852	1.6994	10.1288	55.817
	7	3.7585	120.51	1,309.78	4.5412	20.5281	1.7094	10.1673	55.816

* See Explanatory notes, p. 51. 1 The United Kingdom ceased to be a member of the European Union on 31 January 2020.

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

Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom ¹	United States	Period
Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	Pound sterling GBP	US dollar USD	
71.0786	1.5129	16.8280	1.1013	33.623	6.3761	0.86008	1.1139	2019 Nov. 1
70.5726	1.5146	16.5296	1.1021	33.689	6.3483	0.86368	1.1158	4
70.4334	1.5078	16.3876	1.1009	33.544	6.3807	0.86113	1.1109	5
70.6538	1.5065	16.4153	1.1010	33.608	6.3803	0.86033	1.1090	6
70.5790	1.5035	16.3233	1.0998	33.624	6.3613	0.86442	1.1077	7
70.4653	1.5002	16.3121	1.0991	33.527	6.3513	0.86158	1.1034	8
70.5319	1.5025	16.4150	1.0972	33.493	6.3722	0.85743	1.1041	11
70.4859	1.4994	16.3334	1.0963	33.416	6.3590	0.85820	1.1015	12
70.8149	1.5000	16.4441	1.0894	33.277	6.3316	0.85760	1.1006	13
70.4908	1.4989	16.3205	1.0873	33.218	6.3361	0.85643	1.0997	14
70.3938	1.5021	16.2494	1.0924	33.350	6.3433	0.85660	1.1034	15
70.6242	1.5047	16.3463	1.0960	33.443	6.3316	0.85330	1.1061	18
70.6272	1.5070	16.3211	1.0979	33.458	6.3310	0.85573	1.1077	19
70.7748	1.5059	16.3671	1.0977	33.382	6.3003	0.85715	1.1059	20
70.6406	1.5098	16.2645	1.0998	33.508	6.3097	0.85548	1.1091	21
70.4361	1.5072	16.2718	1.0994	33.390	6.3119	0.85980	1.1058	22
70.4399	1.5030	16.2262	1.0986	33.272	6.3196	0.85515	1.1008	25
70.5445	1.5057	16.3384	1.0993	33.297	6.3255	0.85715	1.1020	26
70.4425	1.5028	16.1885	1.0986	33.286	6.3442	0.85450	1.1009	27
70.5328	1.5032	16.2298	1.0991	33.263	6.3477	0.85180	1.1005	28
70.5544	1.5017	16.1197	1.0998	33.204	6.3198	0.85225	1.0982	29
70.9217	1.5085	16.1770	1.0995	33.383	6.3436	0.85218	1.1023	Dec. 2
71.0634	1.5117	16.2253	1.0947	33.529	6.3508	0.85200	1.1071	3
70.7959	1.5103	16.1224	1.0956	33.581	6.3608	0.84610	1.1081	4
70.7798	1.5103	16.2774	1.0964	33.676	6.3845	0.84470	1.1094	5
70.7441	1.5084	16.2232	1.0968	33.645	6.3893	0.84453	1.1094	6
70.5731	1.5060	16.1780	1.0959	33.571	6.4270	0.84195	1.1075	9
70.4627	1.5062	16.4121	1.0922	33.558	6.4300	0.84073	1.1077	10
70.3925	1.5060	16.3512	1.0916	33.518	6.4349	0.84245	1.1075	11
70.0885	1.5117	16.3248	1.0939	33.606	6.4390	0.84560	1.1137	12
69.9930	1.5106	16.1393	1.0982	33.729	6.4822	0.83508	1.1174	13
69.8317	1.5096	16.1305	1.0953	33.689	6.5190	0.83415	1.1146	16
69.8758	1.5132	16.0926	1.0946	33.737	6.5622	0.84748	1.1162	17
69.5288	1.5075	15.9700	1.0913	33.606	6.5732	0.85055	1.1115	18
69.4593	1.5074	15.9180	1.0899	33.568	6.6022	0.85073	1.1117	19
68.9657	1.5036	15.7936	1.0883	33.496	6.5774	0.85133	1.1097	20
69.0297	1.5018	15.7605	1.0870	33.408	6.5834	0.85708	1.1075	23
68.7932	1.5017	15.7264	1.0878	33.412	6.5994	0.85533	1.1080	24
69.2013	1.5083	15.6649	1.0890	33.632	6.6449	0.85130	1.1153	27
69.2781	1.5088	15.7398	1.0871	33.472	6.6567	0.85208	1.1189	30
69.9563	1.5111	15.7773	1.0854	33.415	6.6843	0.85080	1.1234	31
69.1893	1.5084	15.7496	1.0865	33.741	6.6699	0.84828	1.1193	2020 Jan. 2
69.1190	1.5047	15.9222	1.0840	33.614	6.6587	0.85115	1.1147	3
69.4047	1.5110	15.9465	1.0850	33.744	6.6900	0.85215	1.1194	6
69.2576	1.5081	15.9724	1.0850	33.823	6.6760	0.85183	1.1172	7
68.6389	1.5014	15.8166	1.0792	33.740	6.6158	0.84868	1.1115	8
68.0757	1.5018	15.7839	1.0808	33.647	6.5331	0.85285	1.1110	9
68.0410	1.4969	15.8081	1.0822	33.534	6.5198	0.84810	1.1091	10
68.0893	1.4989	15.9948	1.0811	33.620	6.5219	0.85760	1.1126	13
68.2418	1.4981	16.0274	1.0767	33.624	6.5448	0.85618	1.1115	14
68.4386	1.5011	16.0218	1.0751	33.693	6.5580	0.85683	1.1142	15
68.8102	1.5025	16.1229	1.0739	33.915	6.5363	0.85470	1.1169	16
68.2495	1.4960	16.0582	1.0736	33.746	6.5323	0.85105	1.1108	17
68.2075	1.4943	16.1045	1.0737	33.647	6.5604	0.85275	1.1085	20
68.7300	1.4994	16.0899	1.0743	33.790	6.5938	0.85030	1.1115	21
68.6934	1.4954	15.9750	1.0757	33.685	6.5673	0.84445	1.1088	22
68.6301	1.4971	15.9503	1.0734	33.883	6.5771	0.84498	1.1091	23
68.1692	1.4910	15.8585	1.0712	33.723	6.5539	0.84313	1.1035	24
69.0442	1.4965	16.0431	1.0689	33.869	6.5566	0.84358	1.1025	27
68.9032	1.4949	16.1249	1.0703	33.945	6.5475	0.84603	1.1005	28
68.9755	1.4971	16.0719	1.0729	34.070	6.5559	0.84580	1.1001	29
69.6719	1.5030	16.2673	1.0690	34.405	6.5970	0.84183	1.1029	30
70.3375	1.5092	16.4900	1.0694	34.460	6.6117	0.84175	1.1052	31
70.5988	1.5138	16.4806	1.0672	34.349	6.6221	0.84775	1.1066	Feb. 3
69.8725	1.5139	16.3262	1.0702	34.194	6.6073	0.84880	1.1048	4
69.0320	1.5202	16.2246	1.0717	34.133	6.5975	0.84444	1.1023	5
69.4575	1.5233	16.3028	1.0715	34.197	6.5886	0.84835	1.1003	6
70.0203	1.5255	16.4204	1.0705	34.333	6.5688	0.84720	1.0969	7

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

2. Monthly averages +

EUR 1 = CU ...

Period	EU member countries								Other European and non-Euro-	
	Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden	Australia	Brazil
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	Australian dollar AUD	Brazilian real BRL
2014 Dec.	1.9558	7.6682	27.640	7.4402	310.83	4.2155	4.4583	9.4043	1.4928	3.2499
2015 Jan.	1.9558	7.6883	27.895	7.4406	316.50	4.2783	4.4874	9.4167	1.4390	3.0639
Feb.	1.9558	7.7114	27.608	7.4501	306.88	4.1760	4.4334	9.4901	1.4568	3.1977
Mar.	1.9558	7.6467	27.379	7.4593	303.45	4.1259	4.4339	9.2449	1.4008	3.3997
Apr.	1.9558	7.5896	27.439	7.4655	299.43	4.0180	4.4155	9.3254	1.3939	3.2800
May	1.9558	7.5591	27.397	7.4612	306.33	4.0811	4.4477	9.3037	1.4123	3.4105
June	1.9558	7.5719	27.307	7.4603	311.96	4.1586	4.4671	9.2722	1.4530	3.4941
July	1.9558	7.5863	27.094	7.4616	311.53	4.1524	4.4391	9.3860	1.4844	3.5405
Aug.	1.9558	7.5578	27.041	7.4627	311.61	4.1953	4.4235	9.5155	1.5269	3.9118
Sep.	1.9558	7.5890	27.089	7.4610	313.14	4.2176	4.4236	9.3924	1.5900	4.3666
Oct.	1.9558	7.6208	27.105	7.4601	311.27	4.2508	4.4227	9.3485	1.5586	4.3599
Nov.	1.9558	7.6074	27.039	7.4602	312.27	4.2494	4.4453	9.3133	1.5011	4.0601
Dec.	1.9558	7.6397	27.027	7.4612	314.40	4.2900	4.5033	9.2451	1.5009	4.2145
2016 Jan.	1.9558	7.6582	27.027	7.4619	314.68	4.4074	4.5311	9.2826	1.5510	4.4021
Feb.	1.9558	7.6355	27.040	7.4628	310.37	4.3970	4.4814	9.4105	1.5556	4.3953
Mar.	1.9558	7.5593	27.051	7.4569	311.15	4.2932	4.4666	9.2848	1.4823	4.1195
Apr.	1.9558	7.4947	27.031	7.4427	311.46	4.3106	4.4724	9.2027	1.4802	4.0374
May	1.9558	7.4979	27.026	7.4386	314.58	4.4039	4.4991	9.2948	1.5461	3.9983
June	1.9558	7.5204	27.061	7.4371	313.98	4.3996	4.5230	9.3338	1.5173	3.8570
July	1.9558	7.4930	27.042	7.4390	314.35	4.3964	4.4856	9.4742	1.4694	3.6263
Aug.	1.9558	7.4866	27.025	7.4408	310.21	4.3005	4.4591	9.4913	1.4690	3.5983
Sep.	1.9558	7.5005	27.022	7.4475	308.68	4.3207	4.4502	9.5655	1.4768	3.6436
Oct.	1.9558	7.5068	27.022	7.4402	307.00	4.3076	4.4942	9.7073	1.4470	3.5158
Nov.	1.9558	7.5211	27.033	7.4406	308.82	4.3911	4.5100	9.8508	1.4331	3.6056
Dec.	1.9558	7.5404	27.031	7.4362	312.24	4.4357	4.5164	9.7095	1.4356	3.5405
2017 Jan.	1.9558	7.5300	27.021	7.4355	308.99	4.3671	4.5018	9.5110	1.4252	3.3929
Feb.	1.9558	7.4476	27.021	7.4348	308.50	4.3081	4.5136	9.4762	1.3886	3.3022
Mar.	1.9558	7.4231	27.021	7.4356	309.71	4.2871	4.5476	9.5279	1.4018	3.3413
Apr.	1.9558	7.4503	26.823	7.4376	311.57	4.2374	4.5291	9.5941	1.4241	3.3620
May	1.9558	7.4317	26.572	7.4400	309.77	4.1998	4.5539	9.7097	1.4878	3.5424
June	1.9558	7.4104	26.264	7.4376	308.28	4.2113	4.5721	9.7538	1.4861	3.6948
July	1.9558	7.4116	26.079	7.4366	306.71	4.2362	4.5689	9.5892	1.4772	3.6928
Aug.	1.9558	7.4054	26.101	7.4379	304.37	4.2666	4.5789	9.5485	1.4919	3.7201
Sep.	1.9558	7.4639	26.075	7.4401	308.37	4.2693	4.5992	9.5334	1.4946	3.7316
Oct.	1.9558	7.5085	25.766	7.4429	309.95	4.2627	4.5895	9.6138	1.5099	3.7503
Nov.	1.9558	7.5512	25.538	7.4420	311.89	4.2268	4.6347	9.8479	1.5395	3.8246
Dec.	1.9558	7.5393	25.645	7.4433	313.16	4.2032	4.6348	9.9370	1.5486	3.8941
2018 Jan.	1.9558	7.4359	25.452	7.4455	309.27	4.1632	4.6491	9.8200	1.5340	3.9170
Feb.	1.9558	7.4399	25.320	7.4457	311.74	4.1653	4.6559	9.9384	1.5684	4.0109
Mar.	1.9558	7.4384	25.429	7.4490	312.19	4.2092	4.6613	10.1608	1.5889	4.0426
Apr.	1.9558	7.4209	25.365	7.4479	311.72	4.1937	4.6578	10.3717	1.5972	4.1815
May	1.9558	7.3912	25.640	7.4482	316.93	4.2850	4.6404	10.3419	1.5695	4.2912
June	1.9558	7.3822	25.778	7.4493	322.70	4.3038	4.6623	10.2788	1.5579	4.4049
July	1.9558	7.3971	25.850	7.4523	324.60	4.3239	4.6504	10.3076	1.5792	4.4765
Aug.	1.9558	7.4261	25.681	7.4558	323.02	4.2858	4.6439	10.4668	1.5762	4.5357
Sep.	1.9558	7.4294	25.614	7.4583	324.82	4.3006	4.6471	10.4426	1.6189	4.8013
Oct.	1.9558	7.4245	25.819	7.4597	323.84	4.3046	4.6658	10.3839	1.6158	4.3246
Nov.	1.9558	7.4281	25.935	7.4611	322.33	4.3018	4.6610	10.2918	1.5681	4.2973
Dec.	1.9558	7.4041	25.835	7.4653	322.74	4.2900	4.6536	10.2766	1.5849	4.4214
2019 Jan.	1.9558	7.4286	25.650	7.4657	319.80	4.2916	4.7062	10.2685	1.5975	4.2700
Feb.	1.9558	7.4151	25.726	7.4627	317.91	4.3175	4.7486	10.4986	1.5895	4.2234
Mar.	1.9558	7.4206	25.676	7.4625	315.92	4.2969	4.7546	10.4999	1.5959	4.3369
Apr.	1.9558	7.4282	25.677	7.4650	321.18	4.2864	4.7584	10.4819	1.5802	4.3740
May	1.9558	7.4189	25.768	7.4675	324.98	4.2958	4.7594	10.7372	1.6116	4.4797
June	1.9558	7.4079	25.605	7.4669	322.56	4.2635	4.7250	10.6263	1.6264	4.3600
July	1.9558	7.3903	25.548	7.4656	325.27	4.2596	4.7286	10.5604	1.6061	4.2416
Aug.	1.9558	7.3897	25.802	7.4602	326.91	4.3466	4.7280	10.7356	1.6431	4.4649
Sep.	1.9558	7.4012	25.868	7.4634	332.45	4.3531	4.7381	10.6968	1.6162	4.5307
Oct.	1.9558	7.4363	25.689	7.4693	331.46	4.3013	4.7538	10.8023	1.6271	4.5212
Nov.	1.9558	7.4400	25.531	7.4720	333.62	4.2855	4.7698	10.6497	1.6181	4.5900
Dec.	1.9558	7.4416	25.497	7.4720	330.71	4.2726	4.7779	10.4827	1.6154	4.5700
2020 Jan.	1.9558	7.4429	25.216	7.4729	334.38	4.2507	4.7788	10.5544	1.6189	4.6020

* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Resumption of exchange rate fixing on 1 February 2018.

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

pean countries													
Canada	China	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico		Period	
Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK †	Indian rupee INR	Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN			
1.4216	7.6330	9.5626	–	77.3781	15,351.19	4.8503	147.06	1,359.97	4.2903	17.8692	2014	Dec.	
1.4039	7.2269	9.0102	–	72.2141	14,617.69	4.5856	137.47	1,266.19	4.1648	17.0782	2015	Jan.	
1.4199	7.0960	8.8020	–	70.4356	14,504.28	4.4192	134.69	1,250.50	4.0822	16.9310		Feb.	
1.3661	6.7623	8.4081	–	67.7387	14,152.16	4.3325	130.41	1,205.92	3.9889	16.4941		Mar.	
1.3313	6.6863	8.3550	–	67.6432	13,950.49	4.2456	128.94	1,170.32	3.9118	16.4288		Apr.	
1.3568	6.9165	8.6436	–	71.1153	14,650.36	4.3086	134.75	1,220.20	4.0191	17.0378		May	
1.3854	6.9587	8.6935	–	71.5873	14,919.43	4.2891	138.74	1,248.79	4.1949	17.3467		June	
1.4124	6.8269	8.5236	–	69.9960	14,720.40	4.1679	135.68	1,260.75	4.1824	17.5297		July	
1.4637	7.0626	8.6358	–	72.5361	15,370.92	4.2836	137.12	1,313.48	4.5297	18.4333		Aug.	
1.4882	7.1462	8.6966	–	74.2990	16,175.76	4.3917	134.85	1,329.94	4.8286	18.8821		Sep.	
1.4685	7.1346	8.7073	–	73.1116	15,482.55	4.3414	134.84	1,286.06	4.7818	18.6216		Oct.	
1.4248	6.8398	8.3211	–	71.0406	14,685.99	4.1760	131.60	1,239.19	4.6328	17.8605		Nov.	
1.4904	7.0193	8.4307	–	72.3851	15,087.43	4.2199	132.36	1,277.56	4.6615	18.5500		Dec.	
1.5447	7.1393	8.4509	–	73.2036	15,069.76	4.2903	128.32	1,307.56	4.7162	19.6039	2016	Jan.	
1.5317	7.2658	8.6333	–	75.7172	14,985.33	4.3336	127.35	1,349.77	4.6411	20.4826		Feb.	
1.4697	7.2220	8.6152	–	74.3018	14,629.58	4.2927	125.39	1,314.89	4.5167	19.5943		Mar.	
1.4559	7.3461	8.7954	–	75.3823	14,932.22	4.2812	124.29	1,300.58	4.4232	19.8402		Apr.	
1.4626	7.3864	8.7815	–	75.7016	15,188.82	4.3115	123.21	1,329.46	4.5755	20.4956		May	
1.4477	7.4023	8.7162	–	75.5592	14,969.03	4.3323	118.45	1,310.59	4.5760	20.9430		June	
1.4428	7.3910	8.5858	–	74.3738	14,520.91	4.2686	115.25	1,264.05	4.4471	20.5453		July	
1.4557	7.4537	8.6961	–	75.0303	14,757.31	4.2559	113.49	1,245.55	4.5141	20.7136		Aug.	
1.4677	7.4819	8.6964	–	74.8220	14,697.52	4.2210	114.22	1,244.12	4.6108	21.5034		Sep.	
1.4594	7.4198	8.5533	–	73.5775	14,361.10	4.2110	114.47	1,243.02	4.6040	20.8389		Oct.	
1.4519	7.3883	8.3758	–	73.0550	14,398.18	4.1491	116.93	1,256.71	4.6843	21.6800		Nov.	
1.4070	7.2983	8.1802	–	71.5390	14,135.71	4.0401	122.39	1,248.48	4.7013	21.6189		Dec.	
1.4032	7.3189	8.2332	–	72.2823	14,181.25	4.0543	122.14	1,254.41	4.7318	22.6576	2017	Jan.	
1.3942	7.3143	8.2586	–	71.2908	14,186.74	3.9672	120.17	1,215.92	4.7283	21.6027		Feb.	
1.4306	7.3692	8.2984	–	70.3238	14,255.46	3.9012	120.68	1,211.23	4.7413	20.6333		Mar.	
1.4408	7.3892	8.3364	–	69.2016	14,265.96	3.9153	118.29	1,215.64	4.7224	20.1297		Apr.	
1.5041	7.6130	8.6108	–	71.2681	14,730.60	3.9727	124.09	1,245.02	4.7713	20.7659		May	
1.4941	7.6459	8.7578	–	72.3798	14,940.12	3.9658	124.58	1,271.29	4.8045	20.3786		June	
1.4641	7.7965	8.9893	–	74.1945	15,363.84	4.0899	129.48	1,305.21	4.9389	20.5291		July	
1.4889	7.8760	9.2348	–	75.5465	15,753.09	4.2504	129.70	1,335.93	5.0579	21.0333		Aug.	
1.4639	7.8257	9.3094	–	76.8002	15,852.42	4.2080	131.92	1,348.89	5.0191	21.2431		Sep.	
1.4801	7.7890	9.1763	–	76.4977	15,904.42	4.1265	132.76	1,331.01	4.9716	22.1033		Oct.	
1.4978	7.7723	9.1617	–	76.1248	15,875.67	4.1283	132.39	1,292.05	4.8902	22.2188		Nov.	
1.5108	7.8073	9.2479	–	76.0663	16,048.79	4.1495	133.64	1,283.39	4.8238	22.6384		Dec.	
1.5167	7.8398	9.5394	–	77.6558	16,316.81	4.1753	135.25	1,300.93	4.8249	23.0903	2018	Jan.	
1.5526	7.8068	9.6585	124.69	79.5615	16,793.74	4.3173	133.29	1,331.47	4.8318	23.0251		Feb.	
1.5943	7.7982	9.6726	122.82	80.2526	16,973.10	4.2775	130.86	1,321.99	4.8155	22.9932		Mar.	
1.5622	7.7347	9.6350	122.30	80.6548	16,959.01	4.3425	132.16	1,312.94	4.7734	22.5610		Apr.	
1.5197	7.5291	9.2712	122.83	79.7891	16,594.39	4.2397	129.57	1,272.38	4.6891	23.0985		May	
1.5327	7.5512	9.1642	124.76	79.1601	16,393.39	4.2096	128.53	1,277.93	4.6717	23.7134		June	
1.5356	7.8504	9.1708	124.41	80.2996	16,836.55	4.2595	130.23	1,313.03	4.7327	22.2481		July	
1.5063	7.9092	9.0655	124.19	80.4260	16,822.69	4.2330	128.20	1,295.39	4.7277	21.7835		Aug.	
1.5211	7.9930	9.1375	128.90	84.2109	17,338.45	4.1858	130.54	1,305.86	4.8265	22.1891		Sep.	
1.4935	7.9481	9.0011	134.47	84.5447	17,428.73	4.1996	129.62	1,300.10	4.7761	21.9950		Oct.	
1.4998	7.8880	8.9000	139.78	81.5611	16,651.71	4.2122	128.79	1,280.89	4.7548	23.0062		Nov.	
1.5278	7.8398	8.9026	137.78	80.6166	16,512.15	4.2736	127.88	1,278.13	4.7459	22.8889		Dec.	
1.5196	7.7504	8.9527	136.66	80.7983	16,164.77	4.2075	124.34	1,281.46	4.7001	21.8985	2019	Jan.	
1.4995	7.6485	8.9082	136.10	80.8601	15,936.22	4.1162	125.28	1,274.32	4.6272	21.7766		Feb.	
1.5104	7.5868	8.8718	135.48	78.5605	16,059.50	4.0885	125.67	1,279.67	4.6090	21.7363		Mar.	
1.5035	7.5489	8.8164	135.34	78.0027	15,899.18	4.0413	125.44	1,284.41	4.6237	21.3367		Apr.	
1.5058	7.6736	8.7779	137.64	78.0798	16,095.47	4.0184	122.95	1,325.20	4.6665	21.3926		May	
1.5011	7.7937	8.8383	140.82	78.4078	16,060.27	4.0624	122.08	1,325.28	4.6968	21.7827		June	
1.4693	7.7151	8.7638	139.87	77.1279	15,745.50	3.9758	121.41	1,320.29	4.6258	21.3614		July	
1.4768	7.8581	8.7243	137.66	79.1902	15,838.62	3.9046	118.18	1,347.10	4.6599	21.8925		Aug.	
1.4578	7.8323	8.6224	137.57	78.5678	15,511.84	3.8769	118.24	1,315.02	4.6056	21.5374		Sep.	
1.4581	7.8447	8.6678	137.73	78.5177	15,604.45	3.8882	119.51	1,308.65	4.6283	21.3687		Oct.	
1.4630	7.7571	8.6511	136.52	78.9799	15,546.69	3.8472	120.34	1,291.19	4.5937	21.3399		Nov.	
1.4640	7.7974	8.6744	135.63	79.1092	15,568.87	3.8630	121.24	1,306.19	4.6093	21.2640		Dec.	
1.4523	7.6832	8.6283	137.10	79.1342	15,236.08	3.8417	121.36	1,296.12	4.5279	20.8733	2020	Jan.	

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

2. Monthly averages + (cont'd)

EUR 1 = CU ...

Period	Other European and non-European countries (cont'd)										
	New Zealand New Zealand dollar NZD	Norway Norwegian kroner NOK	Philippines Philippine peso PHP	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United Kingdom ¹ Pound sterling GBP	United States US dollar USD
2014 Dec.	1.5874	8.9802	55.092	70.3269	1.6213	14.1582	1.2026	40.564	2.8304	0.78830	1.2331
2015 Jan.	1.5213	8.9320	51.791	75.0459	1.5545	13.4598	² 1.0940	38.056	2.7153	0.76680	1.1621
Feb.	1.5236	8.6188	50.174	73.0742	1.5382	13.1532	1.0618	36.963	2.7958	0.74051	1.1350
Mar.	1.4506	8.6434	48.227	65.1401	1.4913	13.0756	1.0608	35.355	2.8077	0.72358	1.0838
Apr.	1.4217	8.5057	47.863	56.7415	1.4539	12.9588	1.0379	35.072	2.8743	0.72116	1.0779
May	1.5112	8.4103	49.741	56.3735	1.4882	13.3506	1.0391	37.408	2.9491	0.72124	1.1150
June	1.6046	8.7550	50.508	61.2390	1.5091	13.7965	1.0455	37.818	3.0299	0.72078	1.1213
July	1.6542	8.9357	49.814	63.2077	1.4972	13.6973	1.0492	37.760	2.9705	0.70685	1.0996
Aug.	1.7001	9.1815	51.536	73.3597	1.5573	14.3821	1.0777	39.465	3.1826	0.71423	1.1139
Sep.	1.7714	9.3075	52.456	74.8040	1.5879	15.3065	1.0913	40.426	3.3835	0.73129	1.1221
Oct.	1.6794	9.2892	52.070	70.9490	1.5731	15.1579	1.0882	40.092	3.2887	0.73287	1.1235
Nov.	1.6365	9.2572	50.537	69.7899	1.5181	15.1743	1.0833	38.432	3.0849	0.70658	1.0736
Dec.	1.6133	9.4642	51.337	76.3576	1.5321	16.3210	1.0827	39.162	3.1800	0.72595	1.0877
2016 Jan.	1.6654	9.5899	51.654	83.8638	1.5561	17.7592	1.0941	39.249	3.2713	0.75459	1.0860
Feb.	1.6732	9.5628	52.816	85.6158	1.5596	17.4987	1.1018	39.507	3.2638	0.77559	1.1093
Mar.	1.6481	9.4300	51.722	77.9394	1.5247	17.1222	1.0920	39.089	3.2072	0.78020	1.1100
Apr.	1.6458	9.3224	52.598	75.4333	1.5308	16.5695	1.0930	39.780	3.2135	0.79230	1.1339
May	1.6628	9.3036	52.951	74.4745	1.5494	17.3357	1.1059	40.064	3.3230	0.77779	1.1311
June	1.5955	9.3278	52.172	73.1466	1.5205	16.9371	1.0894	39.624	3.2737	0.79049	1.1229
July	1.5514	9.3690	52.102	71.2417	1.4949	15.9449	1.0867	38.794	3.2786	0.84106	1.1069
Aug.	1.5491	9.3030	52.254	72.7952	1.5106	15.4198	1.0881	38.916	3.3206	0.85521	1.1212
Sep.	1.5328	9.1971	53.359	72.2387	1.5240	15.7305	1.0919	38.935	3.3284	0.85228	1.1212
Oct.	1.5409	9.0009	53.304	69.0091	1.5257	15.3593	1.0887	38.666	3.3912	0.89390	1.1026
Nov.	1.5102	9.0807	53.160	69.5321	1.5232	15.0351	1.0758	38.155	3.5500	0.86894	1.0799
Dec.	1.4982	9.0252	52.493	65.3781	1.5137	14.6142	1.0750	37.730	3.6917	0.84441	1.0543
2017 Jan.	1.4923	8.9990	52.800	63.4978	1.5175	14.4012	1.0714	37.645	3.9869	0.86100	1.0614
Feb.	1.4733	8.8603	53.208	62.1520	1.5055	14.0389	1.0660	37.258	3.9011	0.85273	1.0643
Mar.	1.5255	9.0919	53.683	61.9097	1.5013	13.8125	1.0706	37.260	3.9228	0.86560	1.0685
Apr.	1.5389	9.1993	53.441	60.5721	1.4996	14.4384	1.0727	36.967	3.9150	0.84824	1.0723
May	1.5905	9.4001	55.108	63.1641	1.5423	14.6665	1.0904	38.103	3.9463	0.85554	1.1058
June	1.5544	9.4992	56.045	65.1136	1.5541	14.5025	1.0874	38.181	3.9554	0.87724	1.1229
July	1.5658	9.3988	58.306	68.7707	1.5790	15.1351	1.1059	38.834	4.1021	0.88617	1.1511
Aug.	1.6167	9.3201	60.161	70.2902	1.6070	15.6310	1.1398	39.267	4.1436	0.91121	1.1807
Sep.	1.6426	9.3275	60.732	68.6987	1.6084	15.6766	1.1470	39.497	4.1376	0.89470	1.1915
Oct.	1.6695	9.3976	60.471	67.8647	1.5992	16.1145	1.1546	39.069	4.3234	0.89071	1.1756
Nov.	1.7043	9.6082	59.733	69.2093	1.5911	16.5187	1.1640	38.623	4.5714	0.88795	1.1738
Dec.	1.7002	9.8412	59.602	69.4092	1.5938	15.5847	1.1689	38.639	4.5511	0.88265	1.1836
2018 Jan.	1.6800	9.6464	61.733	69.1156	1.6122	14.8910	1.1723	38.913	4.6027	0.88331	1.2200
Feb.	1.6892	9.6712	64.123	70.2041	1.6294	14.6041	1.1542	38.888	4.6710	0.88396	1.2348
Mar.	1.7001	9.5848	64.289	70.5195	1.6222	14.6218	1.1685	38.581	4.7993	0.88287	1.2336
Apr.	1.6942	9.6202	63.901	75.0983	1.6156	14.8756	1.1890	38.451	5.0003	0.87212	1.2276
May	1.6996	9.5642	61.746	73.6504	1.5819	14.8182	1.1780	37.781	5.2501	0.87726	1.1812
June	1.6822	9.4746	62.038	73.2934	1.5737	15.5262	1.1562	37.930	5.4073	0.87886	1.1678
July	1.7220	9.4975	62.394	73.3942	1.5931	15.6599	1.1622	38.894	5.5748	0.88726	1.1686
Aug.	1.7315	9.6161	61.539	76.6684	1.5807	16.2808	1.1413	38.146	6.8488	0.89687	1.1549
Sep.	1.7674	9.6205	62.957	78.8756	1.5986	17.2295	1.1286	38.013	7.3840	0.89281	1.1659
Oct.	1.7586	9.4793	61.950	75.6102	1.5843	16.6548	1.1413	37.652	6.6919	0.88272	1.1484
Nov.	1.6779	9.6272	59.958	75.5508	1.5629	16.0114	1.1377	37.470	6.0896	0.88118	1.1367
Dec.	1.6675	9.8055	60.135	76.6804	1.5595	16.1870	1.1293	37.238	6.0630	0.89774	1.1384
2019 Jan.	1.6850	9.7631	59.882	76.3055	1.5486	15.8170	1.1297	36.318	6.1365	0.88603	1.1416
Feb.	1.6605	9.7444	59.207	74.7184	1.5365	15.6879	1.1368	35.532	5.9888	0.87264	1.1351
Mar.	1.6540	9.7181	59.358	73.6288	1.5306	16.2507	1.1311	35.869	6.1983	0.85822	1.1302
Apr.	1.6720	9.6233	58.470	72.6571	1.5239	15.8959	1.1319	35.800	6.4707	0.86179	1.1238
May	1.7057	9.7794	58.483	72.6164	1.5340	16.1371	1.1304	35.570	6.7694	0.87176	1.1185
June	1.7119	9.7465	58.425	72.4028	1.5390	16.4749	1.1167	35.139	6.5619	0.89107	1.1293
July	1.6790	9.6587	57.338	70.9068	1.5268	15.7412	1.1076	34.550	6.3528	0.89942	1.1218
Aug.	1.7303	9.9742	58.075	73.2161	1.5408	16.8632	1.0892	34.218	6.2869	0.91554	1.1126
Sep.	1.7345	9.9203	57.306	71.4106	1.5183	16.3207	1.0903	33.639	6.2765	0.89092	1.1004
Oct.	1.7455	10.1165	56.860	71.0858	1.5150	16.4939	1.0981	33.558	6.4023	0.87539	1.1053
Nov.	1.7266	10.1087	56.062	70.5770	1.5047	16.3444	1.0978	33.422	6.3420	0.85761	1.1051
Dec.	1.6864	10.0429	56.432	69.9867	1.5081	16.0502	1.0925	33.562	6.5022	0.84731	1.1113
2020 Jan.	1.6811	9.9384	56.436	68.7690	1.5003	16.0091	1.0765	33.814	6.5808	0.84927	1.1100

* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ The United King-

dom ceased to be a member of the European Union on 31 January 2020. ² Discontinuation of the minimum exchange rate on 15 January 2015.

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

3. End-of-year rates and annual averages

EUR 1 = CU ...

EU member countries									
Period	Bulgaria Bulgarian lev BGN	Croatia Kuna HRK	Cyprus Cyprus pound CYP 1	Czechia Czech koruna CZK	Denmark Danish krone DKK	Estonia Estonian kroon EEK 1	Hungary Hungarian forint HUF	Latvia Latvian lats LVL 1	Lithuania Lithuanian litas LTL 1
End of year									
2006	1.9558	7.3504	0.57820	27.485	7.4560	15.6466	251.77	0.6972	3.4528
2007	1.9558	7.3308	0.585274	26.628	7.4583	15.6466	253.73	0.6964	3.4528
2008	1.9558	7.3555	–	26.875	7.4506	15.6466	266.70	0.7083	3.4528
2009	1.9558	7.3000	–	26.473	7.4418	15.6466	270.42	0.7093	3.4528
2010	1.9558	7.3830	–	25.061	7.4535	15.6466	277.95	0.7094	3.4528
2011	1.9558	7.5370	–	25.787	7.4342	–	314.58	0.6995	3.4528
2012	1.9558	7.5575	–	25.151	7.4610	–	292.30	0.6977	3.4528
2013	1.9558	7.6265	–	27.427	7.4593	–	297.04	0.702804	3.4528
2014	1.9558	7.6580	–	27.735	7.4453	–	315.54	–	3.4528
2015	1.9558	7.6380	–	27.023	7.4626	–	315.98	–	–
2016	1.9558	7.5597	–	27.021	7.4344	–	309.83	–	–
2017	1.9558	7.4400	–	25.535	7.4449	–	310.33	–	–
2018	1.9558	7.4125	–	25.724	7.4673	–	320.98	–	–
2019	1.9558	7.4395	–	25.408	7.4715	–	330.53	–	–
Annual averages +									
2006	1.9558	7.3247	0.57578	28.342	7.4591	15.6466	264.26	0.6962	3.4528
2007	1.9558	7.3376	0.58263	27.766	7.4506	15.6466	251.35	0.7001	3.4528
2008	1.9558	7.2239	–	24.946	7.4560	15.6466	251.51	0.7027	3.4528
2009	1.9558	7.3400	–	26.435	7.4462	15.6466	280.33	0.7057	3.4528
2010	1.9558	7.2891	–	25.284	7.4473	15.6466	275.48	0.7087	3.4528
2011	1.9558	7.4390	–	24.590	7.4506	–	279.37	0.7063	3.4528
2012	1.9558	7.5217	–	25.149	7.4437	–	289.25	0.6973	3.4528
2013	1.9558	7.5786	–	25.980	7.4579	–	296.87	0.7015	3.4528
2014	1.9558	7.6344	–	27.536	7.4548	–	308.71	–	3.4528
2015	1.9558	7.6137	–	27.279	7.4587	–	310.00	–	–
2016	1.9558	7.5333	–	27.034	7.4452	–	311.44	–	–
2017	1.9558	7.4637	–	26.326	7.4386	–	309.19	–	–
2018	1.9558	7.4182	–	25.647	7.4532	–	318.89	–	–
2019	1.9558	7.4180	–	25.670	7.4661	–	325.30	–	–

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

* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Accession to the euro area, see p. 7 (Table I. 1.). 2 Up to December 2007, ECB indicative rates.

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

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

EUR 1 = CU ...

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

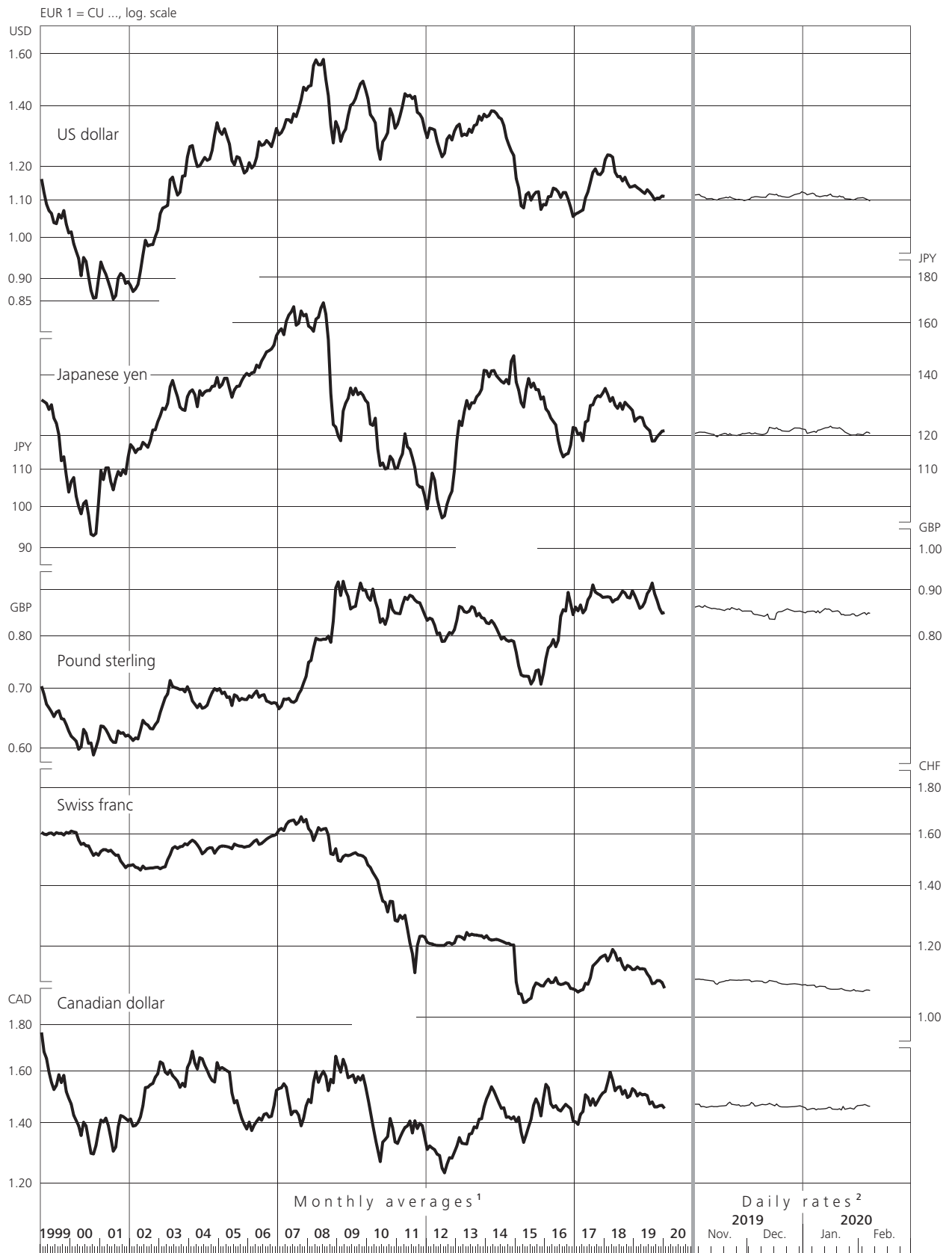
Other European and non-European countries (cont'd)										
	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United Kingdom ⁶	United States
Period	Norwegian krone NOK	Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc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

* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ The ECB did not fix euro foreign exchange reference rates for the Icelandic krona from 4 December 2008 to 31 January 2018. ² Up to December 2008, ECB indicative rates. ³ Up to

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

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

4. Exchange rates of major currencies



¹ Last monthly average: January 2020. ² Last updated: 7 February 2020.

III. Effective exchange rates of the euro *

1. Annual and monthly averages

Q1 1999 = 100

Period	Effective exchange rate of the euro vis-à-vis the currencies of the group ¹				Memo item: Indicators of the German economy's price competitiveness based on consumer price indices vis-à-vis					
	EER-19		EER-38 ²		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based on consumer price indices	Nominal	Real, based on consumer price indices	Total	of which:				
						euro area countries	non-euro area countries			
2001	87.8	87.0	90.6	86.8	93.1	98.2	86.9	91.5	90.9	
2002	90.1	90.0	95.2	90.4	93.6	96.9	89.6	92.0	91.7	
2003	100.7	101.1	107.1	101.2	97.0	95.8	99.2	96.6	96.7	
2004	104.6	104.8	111.7	104.9	98.4	95.5	102.9	98.0	98.3	
2005	102.9	103.3	109.6	102.3	98.4	95.3	103.3	96.9	96.6	
2006	102.8	103.2	109.6	101.5	98.6	95.0	104.2	96.5	95.8	
2007	106.1	105.8	113.0	103.4	100.9	95.3	109.8	97.9	97.0	
2008	109.3	107.9	117.1	105.4	102.2	94.7	114.9	97.8	97.1	
2009	110.7	108.7	120.2	106.4	101.8	94.6	113.9	98.0	97.5	
2010	103.6	101.0	111.6	97.5	98.7	94.2	106.0	93.6	92.0	
2011	103.3	100.0	112.3	96.9	98.2	93.8	105.0	92.8	91.3	
2012	97.7	94.7	107.2	92.1	95.9	93.3	99.8	89.8	88.3	
2013	101.0	97.5	111.8	94.9	98.2	93.4	105.7	91.5	90.2	
2014	101.4	97.1	114.1	95.3	98.3	93.7	105.4	91.7	90.8	
2015	91.7	87.6	105.7	87.0	94.7	94.2	95.2	87.0	86.3	
2016	94.4	89.5	109.7	p 88.9	95.3	94.2	96.8	88.0	p 87.5	
2017	96.6	91.4	112.0	p 90.0	96.6	94.3	100.0	89.1	p 88.3	
2018	98.9	93.4	117.9	p 93.8	97.9	94.4	103.3	90.3	p 90.4	
2019	97.3	p 91.2	116.7	p 91.5	p 96.7	p 94.4	100.1	p 89.1	p 89.2	
2016 Apr.	94.4	89.5	109.8	p 89.0	95.5	94.3	97.2	88.1	p 87.7	
May	94.6	89.8	110.2	p 89.4	95.3	94.1	96.8	88.2	p 87.9	
June	94.4	89.6	109.8	p 89.0	95.1	94.1	96.2	88.1	p 87.6	
July	94.6	89.7	109.5	p 88.7	95.3	94.1	96.9	88.1	p 87.4	
Aug.	94.9	90.0	110.0	p 89.0	95.5	94.0	97.5	88.1	p 87.5	
Sep.	95.1	90.1	110.2	p 89.2	95.6	94.1	97.6	88.3	p 87.7	
Oct.	95.1	90.3	110.0	p 89.0	95.9	94.2	98.3	88.4	p 87.6	
Nov.	94.6	89.7	109.6	p 88.6	95.4	94.2	97.0	88.1	p 87.4	
Dec.	93.7	89.0	108.6	p 87.8	95.3	94.5	96.2	87.9	p 87.1	
2017 Jan.	93.9	89.1	109.0	p 88.0	95.2	94.2	96.4	87.7	p 87.0	
Feb.	93.4	88.9	108.1	p 87.4	95.0	94.2	96.0	87.6	p 86.7	
Mar.	94.0	89.2	108.5	p 87.5	95.2	94.2	96.6	87.7	p 86.7	
Apr.	93.7	89.0	108.2	p 87.2	95.1	94.2	96.2	87.6	p 86.5	
May	95.6	90.5	110.5	p 88.8	96.0	94.3	98.4	88.6	p 87.6	
June	96.3	91.1	111.4	p 89.5	96.4	94.3	99.5	88.9	p 88.0	
July	97.6	92.3	113.3	p 90.9	97.1	94.4	101.1	89.7	p 89.0	
Aug.	99.0	93.6	115.0	p 92.3	97.9	94.4	103.1	90.4	p 89.8	
Sep.	99.0	93.6	115.0	p 92.3	97.9	94.5	103.2	90.4	p 89.8	
Oct.	98.6	93.2	114.8	p 91.9	97.5	94.2	102.6	89.9	p 89.4	
Nov.	98.5	93.1	115.0	p 92.0	97.9	94.5	103.2	90.2	p 89.7	
Dec.	98.8	93.3	115.3	p 92.2	98.1	94.5	103.5	90.3	p 89.8	
2018 Jan.	99.4	93.9	116.1	p 92.7	98.3	94.3	104.5	90.4	p 89.9	
Feb.	99.6	93.9	117.3	p 93.6	98.4	94.3	104.6	90.5	p 90.1	
Mar.	99.7	94.2	117.7	p 94.0	98.4	94.3	104.8	90.6	p 90.3	
Apr.	99.5	94.0	117.9	p 94.0	98.6	94.4	105.1	90.6	p 90.5	
May	98.1	92.7	116.6	p 93.1	98.0	94.4	103.5	90.0	p 89.9	
June	97.9	92.6	116.7	p 93.0	97.8	94.5	102.8	89.9	p 89.9	
July	99.2	93.8	118.2	p 94.2	97.6	94.2	102.9	90.3	p 90.4	
Aug.	99.0	93.4	119.0	p 94.6	97.6	94.4	102.5	90.3	p 90.7	
Sep.	99.5	93.9	120.4	p 95.5	98.0	94.6	103.1	90.7	p 91.5	
Oct.	98.9	93.4	119.0	p 94.4	97.6	94.5	102.3	90.4	p 90.8	
Nov.	98.3	92.9	117.9	p 93.6	97.6	94.7	101.9	90.4	p 90.5	
Dec.	98.4	92.7	118.0	p 93.4	97.4	94.5	101.9	90.0	p 90.3	
2019 Jan.	97.8	92.1	117.3	p 92.7	97.0	94.2	101.2	89.5	p 89.7	
Feb.	97.4	91.7	116.6	p 92.0	96.8	94.1	100.9	89.2	p 89.3	
Mar.	96.9	91.1	116.2	p 91.5	96.5	94.0	100.2	88.8	p 88.9	
Apr.	96.7	90.9	116.1	p 91.4	96.8	94.4	100.4	89.0	p 89.1	
May	97.4	91.4	117.0	p 91.9	97.0	94.5	100.6	89.4	p 89.6	
June	97.9	91.9	117.4	p 92.2	97.1	94.4	101.1	89.6	p 89.7	
July	97.5	91.3	116.5	p 91.3	96.9	94.5	100.6	89.3	p 89.2	
Aug.	98.1	91.8	117.6	p 92.0	96.8	94.3	100.4	89.5	p 89.5	
Sep.	97.4	91.1	116.7	p 91.2	96.5	94.5	99.4	89.2	p 89.2	
Oct.	97.4	p 90.9	116.6	p 91.0	96.4	94.3	99.4	p 88.9	p 88.9	
Nov.	96.7	p 90.2	116.0	p 90.3	96.3	94.4	98.9	p 88.6	p 88.6	
Dec.	96.7	p 90.1	116.0	p 90.2	p 96.3	p 94.5	98.8	p 88.7	p 88.6	
2020 Jan.	96.2	p 89.6	115.5	p 89.7	p 96.2	p 94.4	p 98.6	p 88.4	p 88.3	

* See Explanatory notes, p. 51. ¹ Source: ECB. ² Due to the redenomination of the Venezuelan bolívar on 20 August 2018, the spot rate from 17 August 2018 is used since then.

III. Effective exchange rates of the euro*

2. Nominal and real effective exchange rates based on consumer price indices

Q1 1999 = 100, monthly averages, log. scale



* Source: ECB.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month			
					November 2019	December 2019	January 2020	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 77.7425	AFN 78.7300	AFN 77.8947	AFN 76.3800	
		S	USD 1 =	AFN 77.8425	AFN 78.8300	AFN 77.9947	AFN 76.4800	
	AFN	B	EUR 1 =	AFN 86.8579	AFN 86.5694	AFN 86.6728	AFN 84.3245	
		S	EUR 1 =	AFN 87.1179	AFN 86.8294	AFN 86.9328	AFN 84.5845	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 109.89	ALL 111.34	ALL 108.64	ALL 110.71
M			EUR 1 =	ALL 123.10	ALL 122.52	ALL 121.77	ALL 122.13	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 119.3708	DZD 120.1272	DZD 119.1468	DZD 119.9744	
		S	USD 1 =	DZD 119.3858	DZD 120.1422	DZD 119.1618	DZD 119.9894	
	DZD	B	EUR 1 =	DZD 133.6219	DZD 132.1760	DZD 133.5874	DZD 132.2718	
		S	EUR 1 =	DZD 133.6725	DZD 132.2405	DZD 133.6519	DZD 132.3243	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 372.022	AOA 486.286	AOA 477.356	AOA 490.790	
		S	USD 1 =	AOA 377.658	AOA 496.210	AOA 487.098	AOA 500.806	
	AOA	B	EUR 1 =	AOA 415.985	AOA 535.255	AOA 535.450	AOA 541.440	
		S	EUR 1 =	AOA 422.157	AOA 545.980	AOA 546.183	AOA 552.289	
Antigua and Barbuda								
St John's 459	East Caribbean dollar = 100 cents	² B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		² S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 3.0094	XCD 2.9522	XCD 3.0199	XCD 2.9710	
		V, S	EUR 1 =	XCD 3.0416	XCD 2.9837	XCD 3.0522	XCD 3.0027	
Argentina ¹								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 48.0341	ARS 59.7400	ARS 59.6900	ARS 60.1500	
		S	USD 1 =	ARS 48.2341	ARS 59.9400	ARS 59.8900	ARS 60.3500	
	ARS	B	EUR 1 =	ARS 53.6198	ARS 65.7737	ARS 66.8528	ARS 66.5921	
		S	EUR 1 =	ARS 53.9640	ARS 66.1438	ARS 67.2265	ARS 66.9644	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 480.30	AMD 477.88	AMD 479.70	AMD 478.60	
		M	EUR 1 =	AMD 537.96	AMD 525.91	AMD 537.26	AMD 527.80	
Aruba								
Oranjestad 474	Aruban florin = 100 cents	² B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78	
		² S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80	
	AWG	B	EUR 100 =	AWG 199.37	AWG 195.94	AWG 199.81	AWG 196.46	
		S	EUR 100 =	AWG 201.37	AWG 197.91	AWG 201.82	AWG 198.43	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Value against the US dollar.

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.6952	USD 0.6777	USD 0.7006	USD 0.6724
		M	AUD 1 =	EUR 0.6220	EUR 0.6155	EUR 0.6254	EUR 0.6099
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Azerbaijan							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.7000	AZN 1.7000	AZN 1.7000	AZN 1.7000
		M	EUR 1 =	AZN 1.9044	AZN 1.8718	AZN 1.9035	AZN 1.8742
Bahamas							
Nassau 453	Bahamian dollar = 100 cents BSD	2 B	USD 1 =	BSD 0.9950	BSD 0.9950	BSD 0.9950	BSD 0.9950
		2 S	USD 1 =	BSD 1.0125	BSD 1.0125	BSD 1.0125	BSD 1.0125
		V, B	EUR 1 =	BSD 1.11390	BSD 1.09271	BSD 1.11778	BSD 1.09967
		V, S	EUR 1 =	BSD 1.13349	BSD 1.11193	BSD 1.13744	BSD 1.11902
Bahrain							
Manama 640	Bahraini dinar = 1,000 fils BHD	2 B	USD 1 =	BHD 0.37425	BHD 0.37425	BHD 0.37425	BHD 0.37425
		2 S	USD 1 =	BHD 0.37785	BHD 0.37785	BHD 0.37785	BHD 0.37785
		B	EUR 1 =	BHD 0.4095324	BHD 0.4028798	BHD 0.4100869	BHD 0.4028604
S	EUR 1 =	BHD 0.4348643	BHD 0.4278002	BHD 0.4354531	BHD 0.4277796		
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 84.4875	BDT 84.9000	BDT 84.9000	BDT 84.9000
		S	USD 1 =	BDT 84.4875	BDT 84.9000	BDT 84.9000	BDT 84.9000
		B	EUR 1 =	BDT 94.4087	BDT 93.3730	BDT 94.8758	BDT 93.4664
S	EUR 1 =	BDT 94.4389	BDT 93.3900	BDT 94.9012	BDT 93.5004		
Barbados							
Bridgetown 469	Barbados dollar = 100 cents BBD	2 B	USD 1 =	BBD 1.99375	BBD 1.99375	BBD 1.99375	BBD 1.99375
		2 S	USD 1 =	BBD 2.02768	BBD 2.02768	BBD 2.02768	BBD 2.02768
		B	EUR 1 =	BBD 2.22660	BBD 2.19206	BBD 2.23039	BBD 2.19694
S	EUR 1 =	BBD 2.26834	BBD 2.23315	BBD 2.27220	BBD 2.23812		
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.0921	BYN 2.1086	BYN 2.1036	BYN 2.1377
		M	EUR 1 =	BYN 2.3430	BYN 2.3207	BYN 2.3524	BYN 2.3539

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Value against the US dollar.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Belize							
Belmopan 421	Belize dollar = 100 cents	² B	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
		² S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
	B	EUR 1 =	BZD 2.2193	BZD 2.1788	BZD 2.2277	BZD 2.1917	
	S	EUR 1 =	BZD 2.2585	BZD 2.2172	BZD 2.2671	BZD 2.2303	
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc	V	USD 1 =	XOF 585.937	XOF 597.302	XOF 583.903	XOF 593.519
	XOF	³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Bermuda							
Hamilton 413	Bermudian dollar = 100 cents	² B	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
		² S	USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
	V, B	EUR 1 =	BMD 1.1150	BMD 1.0938	BMD 1.1189	BMD 1.1008	
	V, S	EUR 1 =	BMD 1.1243	BMD 1.1029	BMD 1.1282	BMD 1.1100	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 69.42	BTN 70.45	BTN 70.30	BTN 70.50
		S	USD 1 =	BTN 71.58	BTN 72.65	BTN 72.50	BTN 72.65
	B	EUR 1 =	BTN 77.58	BTN 77.55	BTN 78.65	BTN 77.55	
	S	EUR 1 =	BTN 79.73	BTN 79.70	BTN 80.85	BTN 79.70	
Bolivia, Plurinational State of							
Sucre Seat of government: La Paz 516	Boliviano = 100 centavos	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
		S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
	V, B	EUR 1 =	BOB 7.6777	BOB 7.5337	BOB 7.7065	BOB 7.5817	
	V, S	EUR 1 =	BOB 7.7896	BOB 7.6435	BOB 7.8189	BOB 7.6922	
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.745661	BAM 1.776490	BAM 1.743624	BAM 1.768919
		S	USD 1 =	BAM 1.754412	BAM 1.785394	BAM 1.752364	BAM 1.777785
	BAM	³	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone 391	Pula = 100 thebe	B	BWP 1 =	USD 0.0932	USD 0.0922	USD 0.0945	USD 0.0915
		S	BWP 1 =	USD 0.0930	USD 0.0920	USD 0.0943	USD 0.0913
	B	BWP 1 =	EUR 0.0832	EUR 0.0839	EUR 0.0842	EUR 0.0828	
	S	BWP 1 =	EUR 0.0830	EUR 0.0837	EUR 0.0840	EUR 0.0826	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Value against the US dollar. ³ Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.9450	BRL 4.2234	BRL 4.0301	BRL 4.2689
		S	USD 1 =	BRL 3.9456	BRL 4.2240	BRL 4.0307	BRL 4.2695
	BRL	B	EUR 1 =	BRL 4.4095	BRL 4.6567	BRL 4.5290	BRL 4.7291
		S	EUR 1 =	BRL 4.4114	BRL 4.6591	BRL 4.5305	BRL 4.7315
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3544	BND 1.3565	BND 1.3426	BND 1.3523
		S	USD 1 =	BND 1.3727	BND 1.3753	BND 1.3607	BND 1.3704
	BND	B	EUR 1 =	BND 1.4998	BND 1.4781	BND 1.4867	BND 1.4767
		S	EUR 1 =	BND 1.5546	BND 1.5333	BND 1.5408	BND 1.5309
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.74707	BGN 1.78094	BGN 1.74099	BGN 1.76966
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
Burkina Faso ¹							
Ouagadougou 236	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 597.302	XOF 583.903	XOF 593.519
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Burundi							
Gitega 328	Burundi franc = 100 centimes BIF	B	USD 1 =	BIF 1,830.0200	BIF 1,856.6658	BIF 1,862.7840	BIF 1,868.7735
		S	USD 1 =	BIF 1,866.9901	BIF 1,894.1742	BIF 1,900.4160	BIF 1,906.5265
		B	EUR 1 =	BIF 2,048.8141	BIF 2,044.3190	BIF 2,087.9945	BIF 2,059.8556
		S	EUR 1 =	BIF 2,090.2042	BIF 2,085.6184	BIF 2,130.1763	BIF 2,101.4688
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos CVE	B	USD 1 =	CVE 98.564	CVE 100.094	CVE 98.447	CVE 99.876
		S	USD 1 =	CVE 98.766	CVE 100.296	CVE 98.649	CVE 100.078
		2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265
Cambodia							
Phnom Penh 696	Riel = 100 sen KHR	M	USD 1 =	KHR 4,055	KHR 4,065	KHR 4,075	KHR 4,050
		B	EUR 1 =	KHR 4,538	KHR 4,476	KHR 4,565	KHR 4,466
		S	EUR 1 =	KHR 4,583	KHR 4,521	KHR 4,610	KHR 4,511
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 597.302	XAF 583.903	XAF 593.519
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Canada							
Ottawa 404	Canadian dollar = 100 cents CAD	M	USD 1 =	CAD 1.3269	CAD 1.3289	CAD 1.2988	CAD 1.3233
		M	EUR 1 =	CAD 1.4807	CAD 1.4633	CAD 1.4583	CAD 1.4653

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Cayman Islands							
George Town 463	Cayman Islands dollar = 100 cents KYD	2	KYD 1 =	USD 1.20	USD 1.20	USD 1.20	USD 1.20
		V	EUR 1 =	KYD 0.9329	KYD 0.9152	KYD 0.9362	KYD 0.9210
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 597.302	XAF 583.903	XAF 593.519
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chad ¹							
N'Djaména 244	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 597.302	XAF 583.903	XAF 593.519
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chile							
Santiago 512	Chilean peso = 100 centavos CLP	M	USD 1 =	CLP 704.01	CLP 828.25	CLP 744.62	CLP 797.96
		M	EUR 1 =	CLP 787.30	CLP 911.77	CLP 832.35	CLP 880.26
China							
Beijing 720	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.8999	CNY 7.0298	CNY 6.9762	CNY 6.8876
		M	EUR 1 =	CNY 7.7181	CNY 7.7406	CNY 7.8155	CNY 7.6400
		M	HKD 1 =	CNY 0.87996	CNY 0.89802	CNY 0.89578	CNY 0.88593
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.830	TWD 30.450	TWD 29.930	TWD 30.140
		S	USD 1 =	TWD 30.930	TWD 30.550	TWD 30.030	TWD 30.240
		B	EUR 1 =	TWD 34.40	TWD 33.39	TWD 33.39	TWD 33.09
		S	EUR 1 =	TWD 34.80	TWD 33.79	TWD 33.79	TWD 33.49
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,285.734	COP 3,502.92	COP 3,277.14	COP 3,411.45
		V, M	EUR 1 =	COP 3,675.671	COP 3,846.907	COP 3,681.539	COP 3,770.335
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 439.45310	KMF 447.97646	KMF 437.92750	KMF 445.13912
		3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
Congo ¹							
Brazzaville 318	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 597.302	XAF 583.903	XAF 593.519
		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. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff.

² Value against the US dollar. ³ Value against the euro. ⁴ Currency amounts are denoted using the designation yuan (renminbi).

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,615.5594	CDF 1,627.4390	CDF 1,639.4878	CDF 1,650.2983
		S	USD 1 =	CDF 1,681.6740	CDF 1,693.8651	CDF 1,706.4056	CDF 1,717.6574
	CDF	B	EUR 1 =	CDF 1,811.0131	CDF 1,790.7218	CDF 1,828.5341	CDF 1,815.8009
		S	EUR 1 =	CDF 1,884.9217	CDF 1,863.8125	CDF 1,903.1681	CDF 1,889.9152
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6042	EUR 0.5986	EUR 0.6160	EUR 0.6034
		S	NZD 1 =	EUR 0.5779	EUR 0.5723	EUR 0.5892	EUR 0.5769
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 582.03	CRC 558.90	CRC 570.09	CRC 567.06
		S	USD 1 =	CRC 588.40	CRC 565.89	CRC 576.49	CRC 573.36
	CRC	V, B	EUR 1 =	CRC 651.7240	CRC 613.7840	CRC 640.4391	CRC 626.7147
		V, S	EUR 1 =	CRC 658.8577	CRC 621.4604	CRC 647.6289	CRC 633.6775
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 597.302	XOF 583.903	XOF 593.519
		³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Croatia							
Zagreb 092	Kuna = 100 lipa	B	USD 1 =	HRK 6.601452	HRK 6.739078	HRK 6.629961	HRK 6.733492
		S	USD 1 =	HRK 6.641180	HRK 6.779634	HRK 6.669861	HRK 6.774014
	HRK	B	EUR 1 =	HRK 7.394331	HRK 7.413660	HRK 7.420252	HRK 7.415594
		S	EUR 1 =	HRK 7.438830	HRK 7.458276	HRK 7.464908	HRK 7.460222
Cuba ¹							
Havana 448	Convertible peso/ Cuban peso = 100 centavos	⁴ B	CUC 1 =	USD 1.01009	USD 1.01009	USD 1.01009	USD 1.01009
		⁴ S	CUC 1 =	USD 0.99010	USD 0.99010	USD 0.99010	USD 0.99010
	CUC/CUP	B	EUR 1 =	CUC 1.10740	CUC 1.08954	CUC 1.10597	CUC 1.09231
		S	EUR 1 =	CUC 1.12978	CUC 1.11156	CUC 1.12833	CUC 1.11439
Curaçao							
Willemstad 477	Netherlands Antillean guilder = 100 cents	⁴ B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		⁴ S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 199.40	ANG 195.95	ANG 199.82	ANG 196.47
		S	EUR 100 =	ANG 203.42	ANG 199.90	ANG 203.84	ANG 200.43
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 22.934	CZK 23.233	CZK 22.621	CZK 22.810
		M	EUR 1 =	CZK 25.659	CZK 25.515	CZK 25.410	CZK 25.210

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff.

² Parity in relation to the New Zealand dollar. ³ Value against the euro. ⁴ Value against the US dollar.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 667.03	DKK 680.32	DKK 667.59	DKK 676.18
		M	EUR 100 =	DKK 746.59	DKK 747.13	DKK 746.97	DKK 747.31
Djibouti							
Djibouti 338	Djibouti franc = 100 centimes DJF	2 B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
		2 S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 196.37	DJF 193.13	DJF 196.56	DJF 193.30
		S	EUR 1 =	DJF 203.98	DJF 200.66	DJF 204.24	DJF 200.85
Dominica							
Roseau 460	East Caribbean dollar = 100 cents XCD	2 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		2 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B	EUR 1 =	XCD 3.0094	XCD 2.9522	XCD 3.0199	XCD 2.9710
		V, S	EUR 1 =	XCD 3.0416	XCD 2.9837	XCD 3.0522	XCD 3.0027
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 50.9676	DOP 52.4150	DOP 52.5061	DOP 52.7998
		S	USD 1 =	DOP 51.4344	DOP 52.8851	DOP 52.9775	DOP 53.2803
		B	EUR 1 =	DOP 56.4612	DOP 57.1663	DOP 57.6462	DOP 57.7180
		S	EUR 1 =	DOP 59.8316	DOP 60.5778	DOP 61.1969	DOP 61.2646
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 16.7300	EGP 16.05	EGP 15.99	EGP 15.75
		S	USD 1 =	EGP 16.8300	EGP 16.15	EGP 16.09	EGP 15.85
		B	EUR 1 =	EGP 18.7034	EGP 17.6550	EGP 17.9072	EGP 17.3360
		S	EUR 1 =	EGP 18.8934	EGP 17.7941	EGP 18.0836	EGP 17.4841
El Salvador ¹							
San Salvador 428	El Salvador colón = 100 centavos SVC	2	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 9.7956	SVC 9.6093	SVC 9.8298	SVC 9.6705
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 597.302	XAF 583.903	XAF 593.519
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara 336	Nakfa = 100 cents ERN	2 B	USD 1 =	ERN 15.00	ERN 15.00	ERN 15.00	ERN 15.00
		2 S	USD 1 =	ERN 15.15	ERN 15.15	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 16.7610	ERN 16.5045	ERN 16.7880	ERN 16.5345
		S	EUR 1 =	ERN 17.3972	ERN 17.1407	ERN 17.4242	ERN 17.1707
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff.
2 Value against the US dollar. 3 Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 29.2198	ETB 30.6158	ETB 31.8041	ETB 32.0606
		S	USD 1 =	ETB 29.8042	ETB 31.2281	ETB 32.4402	ETB 32.7018
	ETB	B	EUR 1 =	ETB 32.6752	ETB 33.7141	ETB 35.5920	ETB 35.3180
		S	EUR 1 =	ETB 33.3287	ETB 34.3884	ETB 36.3038	ETB 36.0244
Eswatini ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 14.4713	SZL 14.7476	SZL 14.0949	SZL 14.7849
		S	USD 1 =	SZL 14.4789	SZL 14.7544	SZL 14.1042	SZL 14.7908
	SZL	B	EUR 1 =	SZL 16.19020	SZL 16.2310	SZL 15.7950	SZL 16.3027
		S	EUR 1 =	SZL 16.20051	SZL 16.2431	SZL 15.8092	SZL 16.3108
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.78407	FKP 0.77604	FKP 0.75734	FKP 0.76163
		V	EUR 1 =	FKP 0.87777	FKP 0.85225	FKP 0.85080	FKP 0.84175
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4715	USD 0.4649	USD 0.4748	USD 0.4651
		S	FJD 1 =	USD 0.4545	USD 0.4479	USD 0.4578	USD 0.4481
	FJD	B	FJD 1 =	EUR 0.4194	EUR 0.4202	EUR 0.4219	EUR 0.4192
		S	FJD 1 =	EUR 0.4074	EUR 0.4082	EUR 0.4099	EUR 0.4072
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Gabon ¹							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 597.302	XAF 583.903	XAF 593.519
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Gambia							
Banjul 252	Dalasi = 100 bututs GMD	M	USD 1 =	GMD 50.10	GMD 50.98	GMD 51.22	GMD 51.10
		M	EUR 1 =	GMD 56.49	GMD 56.73	GMD 57.08	GMD 56.71
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.8241	GEL 2.9744	GEL 2.8677	GEL 2.8934
		M	EUR 1 =	GEL 3.1620	GEL 3.2757	GEL 3.2095	GEL 3.1868

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Parity in relation to the pound sterling. ³ Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas GHS	B	USD 1 =	GHS 5.2480	GHS 5.5226	GHS 5.5309	GHS 5.4645
		S	USD 1 =	GHS 5.2532	GHS 5.5282	GHS 5.5365	GHS 5.4699
	B	EUR 1 =	GHS 5.8682	GHS 6.0758	GHS 6.2096	GHS 6.0458	
	S	EUR 1 =	GHS 5.8727	GHS 6.0812	GHS 6.2131	GHS 6.0493	
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V	USD 1 =	GIP 0.78407	GIP 0.77604	GIP 0.75734	GIP 0.76163
		V	EUR 1 =	GIP 0.87777	GIP 0.85225	GIP 0.85080	GIP 0.84175
Greece							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Grenada							
St George's 473	East Caribbean dollar = 100 cents XCD	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	V, B	EUR 1 =	XCD 3.0094	XCD 2.9522	XCD 3.0199	XCD 2.9710	
	V, S	EUR 1 =	XCD 3.0416	XCD 2.9837	XCD 3.0522	XCD 3.0027	
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.70380	GTQ 7.70254	GTQ 7.69884	GTQ 7.66401
		V, M	EUR 1 =	GTQ 8.62411	GTQ 8.45893	GTQ 8.64888	GTQ 8.47026
Guinea							
Conakry 260	Guinean franc GNF	M	USD 1 =	GNF 9,192.6286	GNF 9,373.6610	GNF 9,400.8249	GNF 9,350.5630
		M	EUR 1 =	GNF 10,296.1706	GNF 10,319.4628	GNF 10,518.5782	GNF 10,286.5605
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 597.302	XOF 583.903	XOF 593.519
		⁴	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Guyana							
Georgetown 488	Guyana dollar = 100 cents GYD	B	USD 1 =	GYD 207.98	GYD 207.98	GYD 207.98	GYD 207.98
		S	USD 1 =	GYD 210.45	GYD 210.45	GYD 210.45	GYD 210.45
	B	EUR 1 =	GYD 232.73	GYD 228.65	GYD 233.31	GYD 229.25	
	S	EUR 1 =	GYD 235.71	GYD 231.58	GYD 236.30	GYD 232.19	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff.

² Parity in relation to the pound sterling. ³ Value against the US dollar. ⁴ Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 89.3946	HTG 91.7155	HTG 91.9842	HTG 92.7940
		V, M	EUR 1 =	HTG 100.0195	HTG 100.7220	HTG 103.3351	HTG 102.5559
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 24.5217	HNL 24.6503	HNL 24.6350	HNL 24.6511
		S	USD 1 =	HNL 24.6934	HNL 24.8229	HNL 24.8074	HNL 24.8237
		V, B	EUR 1 =	HNL 27.4496	HNL 27.0710	HNL 27.6750	HNL 27.2444
		V, S	EUR 1 =	HNL 27.6418	HNL 27.2605	HNL 27.8686	HNL 27.4352
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.80686	HKD 7.78880	HKD 7.74870	HKD 7.73810
		S	USD 1 =	HKD 7.86088	HKD 7.86490	HKD 7.82480	HKD 7.80070
		B	EUR 1 =	HKD 8.70052	HKD 8.52270	HKD 8.64990	HKD 8.47470
		S	EUR 1 =	HKD 8.82890	HKD 8.70970	HKD 8.83700	HKD 8.66160
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 290.65	HUF 304.13	HUF 294.74	HUF 305.24
		M	EUR 1 =	HUF 326.03	HUF 334.70	HUF 330.52	HUF 336.65
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 122.145	ISK 120.67	ISK 120.81	ISK 123.07
		S	USD 1 =	ISK 122.728	ISK 121.25	ISK 121.39	ISK 123.65
		B	EUR 1 =	ISK 136.48	ISK 132.73	ISK 135.45	ISK 135.72
		S	EUR 1 =	ISK 137.24	ISK 133.47	ISK 136.21	ISK 136.48
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 70.4119	INR 71.7255	INR 71.2740	INR 71.5096
		M	EUR 1 =	INR 78.8192	INR 78.9750	INR 79.8830	INR 78.8169
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,070.79	IDR 14,031.49	IDR 13,831.50	IDR 13,593.69
		S	USD 1 =	IDR 14,212.13	IDR 14,172.51	IDR 13,970.51	IDR 13,730.31
		B	EUR 1 =	IDR 15,736.06	IDR 15,450.07	IDR 15,509.26	IDR 14,989.76
		S	EUR 1 =	IDR 15,897.25	IDR 15,606.77	IDR 15,667.93	IDR 15,145.90
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	2 M	USD 1 =	IRR 42,000	IRR 42,000	IRR 42,000	IRR 42,000
		2 M	EUR 1 =	IRR 47,002	IRR 46,275	IRR 47,055	IRR 46,266
		3 M	USD 1 =	IRR 127,350	IRR 125,500	IRR 133,500	IRR 137,700
		3 M	EUR 1 =	IRR 142,808	IRR 138,250	IRR 150,000	IRR 152,150

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff.
2 Central bank rate. 3 Bureau de change rate.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Iraq ¹							
Baghdad 612	Iraqi dinar = 1,000 fils IQD	2 B	USD 1 =	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00
			USD 1 =	IQD 1,190.00	IQD 1,190.00	IQD 1,190.00	
		B	EUR 1 =	IQD 1,322.806	IQD 1,301.027	IQD 1,325.022	IQD 1,303.628
			EUR 1 =	IQD 1,331.759	IQD 1,309.833	IQD 1,333.990	IQD 1,312.451
		3 S	USD 1 =	IQD 1,195.91	IQD 1,198.418	IQD 1,204.478	IQD 1,193.382
V, S	EUR 1 =	IQD 1,338.75	IQD 1,316.10	IQD 1,353.11	IQD 1,318.93		
Ireland							
Dublin 007	Euro = 100 cent EUR		M EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Israel							
Jerusalem 624	New shekel = 100 agorot ILS		M USD 1 =	ILS 3.5643	ILS 3.4760	ILS 3.4560	ILS 3.4480
			M EUR 1 =	ILS 3.9816	ILS 3.8241	ILS 3.8782	ILS 3.8023
Italy							
Rome 005	Euro = 100 cent EUR		M EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Jamaica							
Kingston 464	Jamaican dollar = 100 cents JMD	B	USD 1 =	JMD 132.5023	JMD 134.4818	JMD 131.5887	JMD 138.1706
			USD 1 =	JMD 134.1077	JMD 136.2891	JMD 133.4762	JMD 140.9165
		B	EUR 1 =	JMD 143.87390	JMD 143.8920	JMD 147.8815	JMD 155.3259
			EUR 1 =	JMD 150.12124	JMD 150.8106	JMD 145.9031	JMD 157.7204
Japan							
Tokyo 732	Japanese yen = 100 sen JPY	B	USD 1 =	JPY 107.99	JPY 108.56	JPY 108.56	JPY 108.06
			USD 1 =	JPY 109.99	JPY 110.56	JPY 110.56	JPY 110.06
		B	EUR 1 =	JPY 120.65	JPY 119.09	JPY 121.04	JPY 118.80
			EUR 1 =	JPY 123.65	JPY 122.09	JPY 124.04	JPY 121.80
Jordan							
Amman 628	Jordanian dinar = 1,000 fils JOD	2 B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
			USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
		B	EUR 1 =	JOD 0.79156	JOD 0.77880	JOD 0.79289	JOD 0.77930
			EUR 1 =	JOD 0.79615	JOD 0.78228	JOD 0.79754	JOD 0.78292
Kazakhstan							
Nur-Sultan 079	Tenge = 100 tiyn KZT		M USD 1 =	KZT 382.96	KZT 386.35	KZT 381.18	KZT 378.80
			M EUR 1 =	KZT 428.91	KZT 425.14	KZT 426.85	KZT 417.32

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. **1** See Explanatory notes on individual countries, pp. 57 ff. **2** Official rate; value against the US dollar. **3** Market rate.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Kenya ¹							
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 102.0469	KES 102.7065	KES 101.2365	KES 100.4853
		S	USD 1 =	KES 102.2455	KES 102.9065	KES 101.4365	KES 100.6847
	KES	B	EUR 1 =	KES 114.0250	KES 113.0506	KES 113.2441	KES 110.7747
		S	EUR 1 =	KES 114.2775	KES 113.3047	KES 113.4918	KES 111.0206
Korea, Democratic People's Republic of ²							
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 107.60	KPW 108.10	KPW 107.98	KPW 108.28
		S	USD 1 =	KPW 108.67	KPW 109.18	KPW 109.06	KPW 109.36
	KPW	B	EUR 1 =	KPW 120.38	KPW 119.72	KPW 119.75	KPW 119.43
		S	EUR 1 =	KPW 121.58	KPW 120.92	KPW 120.95	KPW 120.62
Korea, Republic of							
Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,155.48	KRW 1,168.50	KRW 1,144.70	KRW 1,182.80
		S	USD 1 =	KRW 1,178.07	KRW 1,191.50	KRW 1,167.30	KRW 1,206.20
	KRW	B	EUR 1 =	KRW 1,291.45	KRW 1,285.37	KRW 1,283.84	KRW 1,304.36
		S	EUR 1 =	KRW 1,317.53	KRW 1,311.33	KRW 1,309.76	KRW 1,330.70
Kuwait							
Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30219	KWD 0.30245	KWD 0.30050	KWD 0.30250
		S	USD 1 =	KWD 0.30600	KWD 0.30605	KWD 0.30660	KWD 0.30610
	KWD	B	EUR 1 =	KWD 0.338360	KWD 0.332892	KWD 0.337732	KWD 0.333567
		S	EUR 1 =	KWD 0.342626	KWD 0.336854	KWD 0.344588	KWD 0.337536
Kyrgyzstan							
Bishkek 083	Kyrgyz som = 100 tyiyn KGS	M	USD 1 =	KGS 69.7811	KGS 69.8500	KGS 69.6439	KGS 69.8500
		M	EUR 1 =	KGS 78.1604	KGS 76.8769	KGS 77.9803	KGS 76.9503
Lao People's Democratic Republic							
Vientiane 684	Kip	B	USD 1 =	LAK 8,701	LAK 8,859	LAK 8,868	LAK 8,879
		S	USD 1 =	LAK 8,715	LAK 8,874	LAK 8,883	LAK 8,894
	LAK	B	EUR 1 =	LAK 9,722	LAK 9,745	LAK 9,915	LAK 9,789
		S	EUR 1 =	LAK 9,767	LAK 9,791	LAK 9,962	LAK 9,835
Latvia							
Riga 054	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Lebanon							
Beirut 604	Lebanese pound = 100 piastres LBP	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50
		M	EUR 1 =	LBP 1,688.52	LBP 1,659.15	LBP 1,686.89	LBP 1,662.47
Lesotho ¹							
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 14.4518	LSL 14.7189	LSL 14.0657	LSL 14.7306
		M	EUR 1 =	LSL 16.1709	LSL 16.2055	LSL 15.7395	LSL 16.2368

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff.

² As a rule, month-end data represent rates as at the first business day of the following month.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 187.22	LRD 190.6395	LRD 187.0855	LRD 194.5697
		S	USD 1 =	LRD 188.53	LRD 192.8880	LRD 188.7680	LRD 196.2180
	LRD	V, B V, S	EUR 1 = EUR 1 =	LRD 209.3707 LRD 210.8311	LRD 209.3603 LRD 211.8296	LRD 210.1719 LRD 212.0620	LRD 215.0384 LRD 216.8601
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3950	LYD 1.4039	LYD 1.3928	LYD 1.4003
		S	USD 1 =	LYD 1.4020	LYD 1.4110	LYD 1.3998	LYD 1.4073
	LYD	B S	EUR 1 = EUR 1 =	LYD 1.5614 LYD 1.5692	LYD 1.5456 LYD 1.5534	LYD 1.5609 LYD 1.5688	LYD 1.5420 LYD 1.5497
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0632	MOP 8.0561	MOP 8.0145	MOP 7.9951
		S	USD 1 =	MOP 8.0857	MOP 8.0786	MOP 8.0370	MOP 8.0176
	MOP	B S	EUR 1 = EUR 1 =	MOP 9.0205 MOP 9.0590	MOP 8.8606 MOP 8.8991	MOP 8.9841 MOP 9.0226	MOP 8.8095 MOP 8.8480
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,618.91	MGA 3,621.37	MGA 3,627.27	MGA 3,626.54
		M	EUR 1 =	MGA 4,047.48	MGA 3,976.24	MGA 4,041.90	MGA 4,001.82
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 730.0152	MWK 728.9551	MWK 729.1112	MWK 729.2283
		S	USD 1 =	MWK 748.8212	MWK 743.6815	MWK 743.6920	MWK 743.8113
	MWK	B S	EUR 1 = EUR 1 =	MWK 817.1855 MWK 838.2581	MWK 802.5796 MWK 818.7933	MWK 816.8962 MWK 833.2325	MWK 803.8283 MWK 819.9032
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen MYR	B	USD 1 =	MYR 4.0795	MYR 4.1137	MYR 4.0437	MYR 4.0261
		S	USD 1 =	MYR 4.2010	MYR 4.2313	MYR 4.1593	MYR 4.1479
		B S	EUR 1 = EUR 1 =	MYR 4.5493 MYR 4.7219	MYR 4.5152 MYR 4.6742	MYR 4.5159 MYR 4.6749	MYR 4.4290 MYR 4.5859

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff.

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.38	MVR 15.38	MVR 15.38	MVR 15.35
		V, M	EUR 1 =	MVR 17.21739	MVR 16.89032	MVR 17.27789	MVR 16.96482
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 597.302	XOF 583.903	XOF 593.519
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Malta							
Valletta 046	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Mauritania							
Nouakchott 228	Ouguiya MRU	B	USD 1 =	MRU 36.66	MRU 37.11	MRU 37.23	MRU 37.25
		S	USD 1 =	MRU 37.02	MRU 37.48	MRU 37.60	MRU 37.62
		B	EUR 1 =	MRU 41.05	MRU 40.83	MRU 41.76	MRU 41.03
		S	EUR 1 =	MRU 41.46	MRU 41.24	MRU 42.17	MRU 41.44
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 35.1821	MUR 36.1890	MUR 35.9289	MUR 36.3283
		S	USD 1 =	MUR 36.0814	MUR 37.0886	MUR 36.8279	MUR 37.2279
		B	EUR 1 =	MUR 39.2334	MUR 39.7168	MUR 40.1279	MUR 39.9087
		S	EUR 1 =	MUR 40.3539	MUR 40.8417	MUR 41.2681	MUR 41.0427
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 19.2133	MXN 19.5480	MXN 18.8810	MXN 18.8610
		S	USD 1 =	MXN 19.2189	MXN 19.5530	MXN 18.8860	MXN 18.8660
		V, B	EUR 1 =	MXN 21.6387	MXN 21.4676	MXN 21.2109	MXN 20.8452
		V, S	EUR 1 =	MXN 21.6451	MXN 21.4731	MXN 21.2165	MXN 20.8507
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 17.5804	MDL 17.4446	MDL 17.2093	MDL 17.5092
		M	EUR 1 =	MDL 19.6863	MDL 19.1952	MDL 19.2605	MDL 19.2977
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,666.78	MNT 2,715.22	MNT 2,734.33	MNT 2,751.57
		M	EUR 1 =	MNT 2,985.10	MNT 2,989.86	MNT 3,063.54	MNT 3,034.57
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.6194	MAD 9.6725	MAD 9.5932	MAD 9.6284
		M	EUR 1 =	MAD 10.7721	MAD 10.6426	MAD 10.7645	MAD 10.6201

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. 1 See Explanatory notes on individual countries, pp. 57 ff. 2 Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Mozambique							
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 61.93	MZN 63.46	MZN 60.86	MZN 63.26
		S	USD 1 =	MZN 63.14	MZN 64.70	MZN 62.07	MZN 64.52
	MZN	B	EUR 1 =	MZN 69.27	MZN 69.80	MZN 68.22	MZN 69.77
		S	EUR 1 =	MZN 70.63	MZN 71.17	MZN 69.57	MZN 71.16
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,515.79	MMK 1,508.70	MMK 1,479.80	MMK 1,464.20
		M	EUR 1 =	MMK 1,696.96	MMK 1,660.90	MMK 1,656.90	MMK 1,614.10
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 14.4649	NAD 14.7344	NAD 13.9999	NAD 14.8122
		M	EUR 1 =	NAD 16.1826	NAD 16.2236	NAD 15.6842	NAD 16.3264
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 112.39	NPR 114.49	NPR 113.81	NPR 114.08
		S	USD 1 =	NPR 112.99	NPR 115.09	NPR 114.41	NPR 114.68
	NPR	B	EUR 1 =	NPR 125.65	NPR 125.96	NPR 127.38	NPR 125.72
		S	EUR 1 =	NPR 126.32	NPR 126.62	NPR 128.05	NPR 126.38
Netherlands							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
New Caledonia ¹							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.38	USD 9.20	USD 9.41	USD 9.26
		2	XPF 1,000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38
New Zealand							
Wellington 804	New Zealand dollar = 100 cents	B	NZD 1 =	USD 0.6742	USD 0.6568	USD 0.6878	USD 0.6629
		S	NZD 1 =	USD 0.6499	USD 0.6329	USD 0.6631	USD 0.6388
	NZD	B	NZD 1 =	EUR 0.6042	EUR 0.5986	EUR 0.6160	EUR 0.6034
		S	NZD 1 =	EUR 0.5779	EUR 0.5723	EUR 0.5892	EUR 0.5769
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 33.1826	NIO 33.7532	NIO 33.8381	NIO 33.9229
		V, M	EUR 1 =	NIO 37.14094	NIO 37.06776	NIO 38.01372	NIO 37.49159

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Niger ¹							
Niamey 240	CFA franc	V	USD 1 =	XOF 585.937	XOF 597.302	XOF 583.903	XOF 593.519
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Nigeria ¹							
Abuja 288	Naira = 100 kobo	B	USD 1 =	NGN 305.93	NGN 306.00	NGN 306.00	NGN 306.00
		S	USD 1 =	NGN 306.93	NGN 307.00	NGN 307.00	NGN 307.00
	NGN	B	EUR 1 =	NGN 342.6227	NGN 336.6306	NGN 343.6992	NGN 338.2218
S		EUR 1 =	NGN 343.7427	NGN 337.7307	NGN 344.8224	NGN 339.3271	
North Macedonia							
Skopje 096	North Macedonia denar = 100 deni	B	USD 1 =	MKD 54.6710	MKD 55.7686	MKD 54.6770	MKD 55.6439
		S	USD 1 =	MKD 55.2205	MKD 56.3290	MKD 55.2266	MKD 56.2031
	MKD	B	EUR 1 =	MKD 61.2040	MKD 61.2450	MKD 61.1782	MKD 61.3696
S		EUR 1 =	MKD 61.8191	MKD 61.8606	MKD 61.7930	MKD 61.9864	
Norway							
Oslo 028	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.7713	NOK 9.1465	NOK 8.7816	NOK 9.1664
		S	USD 1 =	NOK 8.8400	NOK 9.2185	NOK 8.8536	NOK 9.2384
	NOK	B	EUR 1 =	NOK 9.8140	NOK 10.0720	NOK 9.8412	NOK 10.1087
S		EUR 1 =	NOK 9.8901	NOK 10.1510	NOK 9.9202	NOK 10.1877	
Oman							
Muscat 649	Rial Omani = 1,000 baisa	3 B	USD 1 =	OMR 0.3840	OMR 0.3840	OMR 0.3840	OMR 0.3840
		3 S	USD 1 =	OMR 0.3850	OMR 0.3850	OMR 0.3850	OMR 0.3850
	OMR	B	EUR 1 =	OMR 0.4299008	OMR 0.4229760	OMR 0.4301184	OMR 0.4228608
S		EUR 1 =	OMR 0.4310973	OMR 0.4241545	OMR 0.4313155	OMR 0.4240390	
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 150.06	PKR 155.20	PKR 154.85	PKR 154.40
		S	USD 1 =	PKR 150.56	PKR 155.70	PKR 155.35	PKR 154.90
	PKR	B	EUR 1 =	PKR 167.98	PKR 170.89	PKR 173.48	PKR 170.22
S		EUR 1 =	PKR 168.56	PKR 171.45	PKR 174.05	PKR 170.78	
Panama ¹							
Panama City 442	Balboa = 100 centésimos PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1195	PAB 1.0982	PAB 1.1234	PAB 1.1052
Papua New Guinea							
Port Moresby 801	Kina = 100 toea	B	PGK 1 =	USD 0.3026	USD 0.3015	USD 0.3010	USD 0.3010
		S	PGK 1 =	USD 0.2876	USD 0.2865	USD 0.2860	USD 0.2860
	PGK	B	EUR 1 =	EUR 0.2669	EUR 0.2705	EUR 0.2625	EUR 0.2665
S		EUR 1 =	EUR 0.2519	EUR 0.2555	EUR 0.2475	EUR 0.2515	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff.

² Value against the euro. ³ Value against the US dollar. ⁴ Parity in relation to the US dollar.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 6,237.82	PYG 6,449.26	PYG 6,442.33	PYG 6,527.43
		S	USD 1 =	PYG 6,252.06	PYG 6,460.87	PYG 6,463.95	PYG 6,533.74
	PYG	V, B	EUR 1 =	PYG 6,978.71	PYG 7,082.58	PYG 7,208.32	PYG 7,214.12
		V, S	EUR 1 =	PYG 6,994.63	PYG 7,095.33	PYG 7,232.51	PYG 7,221.09
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.333	PEN 3.394	PEN 3.311	PEN 3.373
		S	USD 1 =	PEN 3.337	PEN 3.399	PEN 3.317	PEN 3.376
	PEN	B	EUR 1 =	PEN 3.690	PEN 3.721	PEN 3.652	PEN 3.721
		S	EUR 1 =	PEN 3.840	PEN 3.791	PEN 3.877	PEN 3.762
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 51.41	PHP 50.40	PHP 50.45	PHP 50.55
		S	USD 1 =	PHP 51.91	PHP 50.90	PHP 50.95	PHP 51.05
	PHP	B	EUR 1 =	PHP 55.8464	PHP 53.9984	PHP 54.4423	PHP 54.2708
		S	EUR 1 =	PHP 59.1191	PHP 57.1831	PHP 57.6521	PHP 57.4690
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.8399	PLN 3.9288	PLN 3.7977	PLN 3.8999
		M	EUR 1 =	PLN 4.3018	PLN 4.3236	PLN 4.2585	PLN 4.3010
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Qatar							
Doha 644	Qatari riyal = 100 dirham QAR	²	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.0748	QAR 3.9975	QAR 4.0892	QAR 4.0229
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.2393	RON 4.3425	RON 4.2608	RON 4.3309
		M	EUR 1 =	RON 4.7509	RON 4.7781	RON 4.7793	RON 4.7779
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 64.6375	RUB 64.0817	RUB 61.9057	RUB 63.0359
		M	EUR 1 =	RUB 72.0631	RUB 70.5475	RUB 69.3406	RUB 69.4151

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Value against the US dollar.

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 891.345390	RWF 909.288767	RWF 913.384515	RWF 916.915883
		S	USD 1 =	RWF 909.170498	RWF 927.472705	RWF 931.650361	RWF 935.252349
	RWF	B	EUR 1 =	RWF 998.412161	RWF 1,001.172397	RWF 1,022.862783	RWF 1,010.620000
		S	EUR 1 =	RWF 1,018.378388	RWF 1,021.193822	RWF 1,043.317973	RWF 1,030.830000
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.78407	SHP 0.77604	SHP 0.75734	SHP 0.76163
		V	EUR 1 =	SHP 0.87777	SHP 0.85225	SHP 0.85080	SHP 0.84175
Saint Kitts and Nevis							
Basseterre 449	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.0094	XCD 2.9522	XCD 3.0199	XCD 2.9710
		V, S	EUR 1 =	XCD 3.0416	XCD 2.9837	XCD 3.0522	XCD 3.0027
Saint Lucia							
Castries 465	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.0094	XCD 2.9522	XCD 3.0199	XCD 2.9710
		V, S	EUR 1 =	XCD 3.0416	XCD 2.9837	XCD 3.0522	XCD 3.0027
Saint Vincent and the Grenadines							
Kingstown 467	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.0094	XCD 2.9522	XCD 3.0199	XCD 2.9710
		V, S	EUR 1 =	XCD 3.0416	XCD 2.9837	XCD 3.0522	XCD 3.0027
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.37749	USD 0.37223	USD 0.37979	USD 0.37294
		M	WST 1 =	EUR 0.33756	EUR 0.33816	EUR 0.33989	EUR 0.33792
Sao Tome and Principe							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 21.9193	STN 22.2626	STN 21.8965	STN 22.2142
		S	USD 1 =	STN 22.2481	STN 22.5965	STN 22.2250	STN 22.5474
	STN	4	EUR 1 =	STN 24.5000	STN 24.5000	STN 24.5000	STN 24.5000
Saudi Arabia							
Riyadh 632	Saudi riyal = 100 halalah SAR	3 M	USD 1 =	SAR 3.75	SAR 3.75	SAR 3.75	SAR 3.75
		M	EUR 1 =	SAR 4.1937	SAR 4.1274	SAR 4.2013	SAR 4.1244

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. 1 See Explanatory notes on individual countries, pp. 57 ff.

2 Parity in relation to the pound sterling. 3 Value against the US dollar. 4 Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 585.937	XOF 597.302	XOF 583.903	XOF 593.519
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Serbia							
Belgrade 098	Serbian dinar = 100 para	B	USD 1 =	RSD 104.8908	RSD 106.4513	RSD 104.6038	RSD 106.3476
		S	USD 1 =	RSD 105.5220	RSD 107.0919	RSD 105.2334	RSD 106.9876
	RSD	B	EUR 1 =	RSD 117.4979	RSD 117.2348	RSD 117.2400	RSD 117.2270
		S	EUR 1 =	RSD 118.2050	RSD 117.9404	RSD 117.9456	RSD 117.9324
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.8783	SCR 13.8583	SCR 13.9938	SCR 13.9470
		S	USD 1 =	SCR 14.1605	SCR 14.1187	SCR 14.1513	SCR 14.1009
	SCR	B	EUR 1 =	SCR 15.5377	SCR 15.4632	SCR 15.5040	SCR 15.2286
		S	EUR 1 =	SCR 15.8662	SCR 15.6641	SCR 15.9646	SCR 15.6695
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 8,966.53	SLL 9,593.33	SLL 9,619.54	SLL 9,640.10
		S	USD 1 =	SLL 9,147.67	SLL 9,787.14	SLL 9,813.88	SLL 9,834.85
	SLL	B	EUR 1 =	SLL 10,031.56	SLL 10,560.68	SLL 10,752.51	SLL 10,612.37
		S	EUR 1 =	SLL 10,231.12	SLL 10,772.95	SLL 10,967.37	SLL 10,823.87
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3632	SGD 1.3660	SGD 1.3472	SGD 1.3619
		M	EUR 1 =	SGD 1.5255	SGD 1.5040	SGD 1.5094	SGD 1.5014
Sint Maarten (southern part)							
Philipsburg 479	Netherlands Antillean guilder = 100 cents	³ B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		³ S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 199.40	ANG 195.95	ANG 199.82	ANG 196.47
		S	EUR 100 =	ANG 203.42	ANG 199.90	ANG 203.84	ANG 200.43
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1223	USD 0.1213	USD 0.1220	USD 0.1217
		M	SBD 1 =	EUR 0.10934	EUR 0.11020	EUR 0.10890	EUR 0.11030

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Value against the euro. ³ Value against the US dollar.

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Somalia ¹							
Mogadishu 342	Somali shilling	M	USD 1 =	.	.	.	.
	SOS	M	EUR 1 =	.	.	.	.
South Africa							
Pretoria Seat of parliament: Cape Town 388	South African rand = 100 cents	B	USD 1 =	ZAR 14.2613	ZAR 14.4845	ZAR 13.8315	ZAR 14.7290
		S	USD 1 =	ZAR 14.5788	ZAR 14.8020	ZAR 14.1490	ZAR 15.0465
	ZAR	B	EUR 1 =	ZAR 15.9161	ZAR 15.8866	ZAR 15.5135	ZAR 16.2492
		S	EUR 1 =	ZAR 16.3500	ZAR 16.3189	ZAR 15.9466	ZAR 16.6777
South Sudan							
Juba 225	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 158.2581	SSP 160.0031	SSP 160.4151	SSP 161.0581 ²
		M	EUR 1 =	SSP 176.9669	SSP 176.3877	SSP 179.5253	SSP 178.4283 ²
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.0982	USD 1.1234	USD 1.1052
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 176.7092	LKR 178.7462	LKR 179.5443	LKR 179.6369
		S	USD 1 =	LKR 180.4863	LKR 182.4131	LKR 183.2142	LKR 183.3068
	LKR	B	EUR 1 =	LKR 196.6569	LKR 195.5200	LKR 199.7985	LKR 196.7115
		S	EUR 1 =	LKR 203.5266	LKR 202.2370	LKR 206.6089	LKR 203.4507
Sudan							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 45.6250	SDG 45.0000	SDG 45.0000	SDG 48.8000
		S	USD 1 =	SDG 45.8531	SDG 45.2250	SDG 45.2250	SDG 49.0440
	SDG	B	EUR 1 =	SDG 51.0877	SDG 49.5324	SDG 50.4095	SDG 53.7434
		S	EUR 1 =	SDG 51.3431	SDG 49.7801	SDG 50.6615	SDG 54.0122
Suriname							
Paramaribo 492	Suriname dollar = 100 cents	B	USD 1 =	SRD 7.396	SRD 7.396	SRD 7.396	SRD 7.396
		S	USD 1 =	SRD 7.520	SRD 7.520	SRD 7.520	SRD 7.520
	SRD	B	EUR 1 =	SRD 8.266	SRD 8.139	SRD 8.275	SRD 8.157
		S	EUR 1 =	SRD 8.399	SRD 8.276	SRD 8.414	SRD 8.294
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 9.4073	SEK 9.4981	SEK 9.2646	SEK 9.6080
		S	USD 1 =	SEK 9.5123	SEK 9.6031	SEK 9.3696	SEK 9.7130
	SEK	B	EUR 1 =	SEK 10.5298	SEK 10.4562	SEK 10.3761	SEK 10.5954
		S	EUR 1 =	SEK 10.6448	SEK 10.5712	SEK 10.4911	SEK 10.7104

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Exchange rate as of 23 January 2020.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9937	CHF 0.9997	CHF 0.9683	CHF 0.9703
		B	EUR 1 =	CHF 1.1110	CHF 1.1001	CHF 1.0858	CHF 1.0699
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 434.50	SYP 435.00	SYP 435.00	SYP 435.00
		S	USD 1 =	SYP 438.17	SYP 438.00	SYP 438.00	SYP 438.00
		B	EUR 1 =	SYP 486.83	SYP 479.07	SYP 487.31	SYP 478.83
		S	EUR 1 =	SYP 490.98	SYP 482.44	SYP 490.73	SYP 482.20
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 9.5330	TJS 9.6929	TJS 9.6872	TJS 9.6924
		M	EUR 1 =	TJS 10.6743	TJS 10.6622	TJS 10.8448	TJS 10.6878
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,277.1609	TZS 2,276.9307	TZS 2,276.5446	TZS 2,277.1881
		S	USD 1 =	TZS 2,299.9325	TZS 2,299.7000	TZS 2,299.3100	TZS 2,299.9600
		B	EUR 1 =	TZS 2,545.4570	TZS 2,505.5345	TZS 2,546.7704	TZS 2,509.4613
		S	EUR 1 =	TZS 2,571.5823	TZS 2,530.8199	TZS 2,573.1578	TZS 2,535.4759
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 30.8348	THB 30.0456	THB 29.9767	THB 30.9654
		S	USD 1 =	THB 31.1759	THB 30.4071	THB 30.3313	THB 31.2959
		B	EUR 1 =	THB 34.2893	THB 32.9090	THB 33.3775	THB 33.9524
		S	EUR 1 =	THB 34.9954	THB 33.6333	THB 34.0846	THB 34.6652
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 597.302	XOF 583.903	XOF 593.519
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Tonga							
Nuku'alofa 817	Pa'anga = 100 seniti TOP	M	TOP 1 =	USD 0.4368	USD 0.4312	USD 0.4378	USD 0.4319
		M	TOP 1 =	EUR 0.3896	EUR 0.3906	EUR 0.3906	EUR 0.3904
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7302	TTD 6.7460	TTD 6.7255	TTD 6.6805
		S	USD 1 =	TTD 6.7710	TTD 6.7993	TTD 6.7992	TTD 6.7959
		B	EUR 1 =	TTD 7.5084	TTD 7.4436	TTD 7.5437	TTD 7.4736
		S	EUR 1 =	TTD 8.0404	TTD 7.9019	TTD 7.9917	TTD 7.9723

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.9209	TND 2.8632	TND 2.7968	TND 2.8213
			USD 1 =	TND 2.9238	TND 2.8660	TND 2.7995	TND 2.8242
	TND	B S	EUR 1 =	TND 3.2721	TND 3.1469	TND 3.1411	TND 3.1191
			EUR 1 =	TND 3.2754	TND 3.1500	TND 3.1443	TND 3.1223
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 5.6666	TRY 5.7579	TRY 5.9402	TRY 5.9716
			USD 1 =	TRY 5.6768	TRY 5.7682	TRY 5.9509	TRY 5.9824
	TRY	B S	EUR 1 =	TRY 6.3544	TRY 6.3396	TRY 6.6506	TRY 6.5782
			EUR 1 =	TRY 6.3659	TRY 6.3511	TRY 6.6625	TRY 6.5901
Turkmenistan ¹							
Ashgabat 080	Turkmen manat = 100 tenge	2 M	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
			EUR 1 =	TMT 3.9183	TMT 3.8535	TMT 3.9113	TMT 3.8560
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,697.34	UGX 3,694.50	UGX 3,660.21	UGX 3,674.83
			USD 1 =	UGX 3,707.34	UGX 3,704.50	UGX 3,670.21	UGX 3,684.83
	UGX	B S	EUR 1 =	UGX 4,132.84	UGX 4,063.46239	UGX 4,086.42403	UGX 4,041.38348
			EUR 1 =	UGX 4,144.01	UGX 4,074.46107	UGX 4,097.58848	UGX 4,052.38095
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok	M M	USD 1 =	UAH 25.8236	UAH 24.0356	UAH 23.2929	UAH 24.9196
			EUR 1 =	UAH 28.9192	UAH 26.4512	UAH 25.8085	UAH 27.4751
United Arab Emirates ¹							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils	2 V, M	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
			EUR 1 =	AED 4.1112	AED 4.0331	AED 4.1257	AED 4.0588
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M M	GBP 1 =	USD 1.2766	USD 1.2936	USD 1.3210	USD 1.3179
			EUR 1 =	GBP 0.8743	GBP 0.8525	GBP 0.8500	GBP 0.8406
United States							
Washington 400	US dollar = 100 cents	M M	EUR 1 =	USD 1.11753	USD 1.1015	USD 1.1197	USD 1.1093
			GBP 1 =	USD 1.27613	USD 1.2933	USD 1.3113	USD 1.3199

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Value against the US dollar.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					November 2019	December 2019	January 2020
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 35.277	UYU 37.840	UYU 37.336	UYU 37.531
		M	EUR 1 =	UYU 39.4599	UYU 41.6902	UYU 41.8294	UYU 41.5881
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 8,853.99	UZS 9,494.68	UZS 9,507.56	UZS 9,563.33
		M	EUR 1 =	UZS 9,907.42	UZS 10,465.04	UZS 10,624.70	UZS 10,541.66
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 112.90	VUV 114.56	VUV 112.66	VUV 114.76
		S	USD 1 =	VUV 120.29	VUV 122.15	VUV 120.14	VUV 122.36
		B	EUR 1 =	VUV 127.17	VUV 127.16	VUV 126.08	VUV 127.72
		S	EUR 1 =	VUV 132.41	VUV 132.41	VUV 131.30	VUV 132.99
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	VES 15,870.422	VES 38,883.378	VES 46,504.279	VES 73,841.546
		S	USD 1 =	VES 15,910.197	VES 38,980.830	VES 46,620.831	VES 74,026.613
		B	EUR 1 =	VES 17,630.658	VES 42,819.931	VES 52,099.208	VES 81,467.524
		S	EUR 1 =	VES 17,676.400	VES 42,935.045	VES 52,230.715	VES 81,876.394
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,173	VND 23,125	VND 23,110	VND 23,165
		S	USD 1 =	VND 23,286	VND 23,245	VND 23,230	VND 23,305
		B	EUR 1 =	VND 25,841.32	VND 25,368.10	VND 25,805.63	VND 25,345.77
		S	EUR 1 =	VND 26,611.82	VND 26,155.60	VND 26,606.29	VND 26,238.80
Yemen							
Sana'a 653	Yemeni rial = 100 fils YER	B	USD 1 =	YER 250.00	YER 250.00	YER 250.00	YER 250.00
		S	USD 1 =	YER 250.50	YER 250.50	YER 250.50	YER 250.50
		B	EUR 1 =	YER 279.90	YER 275.19	YER 280.15	YER 275.34
		S	EUR 1 =	YER 280.46	YER 275.74	YER 280.71	YER 275.89
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 12.9734	ZMW 14.5463	ZMW 14.0283	ZMW 14.7569
		S	USD 1 =	ZMW 13.0234	ZMW 14.5963	ZMW 14.0783	ZMW 14.8108
		B	EUR 1 =	ZMW 14.5150	ZMW 16.0009	ZMW 15.7510	ZMW 16.2990
		S	EUR 1 =	ZMW 14.5761	ZMW 16.0588	ZMW 15.8128	ZMW 16.3615
Zimbabwe							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	ZWL 9.49651 ²	ZWL 16.25750	ZWL 16.77340	ZWL 17.35310
		M	EUR 1 =	ZWL 10.511682 ²	ZWL 17.89865	ZWL 18.79705	ZWL 19.13085

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

1. End-of-year and end-of-month rates

SDR 1 ¹ = CU ...

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
1999	1.37251	1.36467	11.3508	140.111	0.848150	1.98094	2.19297	10.1549	11.0218	11.6873
2000	1.30291	1.40022	10.7847	149.704	0.873149	1.95462	2.13221	10.4500	11.5288	12.4232
2001	1.25673	1.42474	10.3925	165.491	0.866469	2.00147	2.10605	10.5685	11.3251	13.3943
2002	1.35952	1.29639	11.2123	162.414	0.843483	2.14750	1.88539	9.62844	9.47006	11.9542
2003	1.48597	1.17654	12.2989	158.575	0.832619	1.92047	1.83800	8.82099	9.91886	10.7715
2004	1.55301	1.14016	12.8107	161.161	0.804085	1.86920	1.75738	8.46296	9.37796	10.2351
2005	1.42927	1.21155	11.5345	168.610	0.830055	1.66418	1.87848	9.03881	9.67427	11.3363
2006	1.50440	1.14229	11.7474	178.948	0.766377	1.75308	1.83582	8.51702	9.41017	10.3390
2007	1.58025	1.07346	11.5302	179.947	0.788780	1.56144	1.77857	8.02021	8.55074	10.2088
2008	1.54027	1.10675	10.5271	140.464	1.056570	1.86621	1.63839	8.18003	10.7802	12.0833
2009	1.56769	1.08822	10.7045	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070
2010	1.54003	1.15966	10.1995	125.436	0.997755	1.54142	1.44702	8.64469	9.06742	10.4761
2011	1.53527	1.18654	9.67352	119.321	0.992989	1.56254	1.44453	8.82099	9.20039	10.6293
2012	1.53692	1.16583	9.66660	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	10.7693	11.3176
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768
2019	1.38283	1.23588	9.66184	150.894	1.05386	r 1.80583	1.34362	9.23156	12.1685	12.8879
2015 Dec.	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016 Jan.	1.38050	1.26419	9.07853	167.040	0.965111	1.94374	1.40783	9.43450	11.9902	11.7571
Feb.	1.38131	1.26866	9.04429	156.641	0.997049	1.86795	1.38394	9.46450	12.0578	11.7931
Mar.	1.40882	1.23744	9.11129	158.675	0.978139	1.82738	1.35529	9.22041	11.6498	11.4779
Apr.	1.41733	1.24294	9.19084	158.372	0.969847	1.77861	1.36390	9.25249	11.4537	11.3943
May	1.40288	1.25774	9.23753	155.846	0.959693	1.83777	1.38913	9.35454	11.7220	11.6901
June	1.39884	1.25999	9.29463	143.941	1.03710	1.81976	1.36527	9.37348	11.7190	11.8640
July	1.39338	1.25383	9.27042	144.912	1.05743	1.81711	1.35799	9.32523	11.9229	12.0072
Aug.	1.39434	1.25255	9.31255	143.561	1.06131	1.82993	1.37245	9.32297	11.6193	11.9107
Sep.	1.39581	1.25062	9.31064	141.089	1.07693	1.83089	1.35980	9.31871	11.2387	12.0301
Oct.	1.37385	1.25511	9.30085	143.979	1.12879	1.84137	1.35874	9.33724	11.3393	12.3613
Nov.	1.35376	1.27293	9.32175	152.149	1.08718	1.81756	1.37312	9.47104	11.4806	12.4014
Dec.	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017 Jan.	1.35883	1.26344	9.34798	154.363	1.09042	1.77055	1.34918	9.39655	11.2295	11.9779
Feb.	1.35389	1.27762	9.30016	152.381	1.08834	1.79364	1.36080	9.49677	11.3315	12.2395
Mar.	1.35685	1.26915	9.35008	152.035	1.08962	1.80596	1.35820	9.43984	11.6359	12.1213
Apr.	1.37102	1.25437	9.45689	152.526	1.05940	1.87309	1.35759	9.33036	11.6961	12.1179
May	1.38432	1.23369	9.45340	153.590	1.07826	1.86883	1.34417	9.17835	11.6445	12.0657
June	1.39139	1.21923	9.43637	155.752	1.07207	1.80560	1.33406	9.06701	11.6696	11.7837
July	1.40775	1.20043	9.46925	155.627	1.07265	1.75757	1.36692	8.92698	11.1701	11.4494
Aug.	1.41339	1.19526	9.32227	156.179	1.09769	1.77182	1.36463	8.89079	11.0907	11.2683
Sep.	1.41330	1.19710	9.39576	159.222	1.05596	1.76379	1.37005	8.90916	11.2676	11.4598
Oct.	1.40469	1.20698	9.31099	158.940	1.06263	1.81106	1.40216	8.98142	11.4951	11.7369
Nov.	1.41542	1.19455	9.35209	158.527	1.05279	1.82419	1.39631	8.88936	11.7541	11.8326
Dec.	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018 Jan.	1.45712	1.16972	9.17406	158.593	1.02897	1.79124	1.35950	8.70496	11.1849	11.4288
Feb.	1.44589	1.18379	9.15466	155.173	1.04457	1.85204	1.36405	8.81516	11.3826	11.9372
Mar.	1.45386	1.17983	9.12359	154.386	1.03379	1.87436	1.39087	8.76017	11.3360	12.1521
Apr.	1.43806	1.19055	9.11835	157.195	1.04777	1.84590	1.42282	8.86965	11.5031	12.4786
May	1.41665	1.21092	9.06939	153.933	1.06307	1.83428	1.39710	9.01356	11.5491	12.4505
June	1.40657	1.20653	9.31828	155.356	1.07049	1.85217	1.39764	8.99167	11.4759	12.6027
July	1.40487	1.19706	9.59647	155.898	1.06728	1.82872	1.38822	8.91798	11.4126	12.2955
Aug.	1.40139	1.20280	9.57341	155.554	1.07754	1.82016	1.35409	8.96789	11.6851	12.7588
Sep.	1.39525	1.20530	9.60126	158.319	1.06990	1.82898	1.36232	8.98723	11.4099	12.3582
Oct.	1.38213	1.22118	9.63577	156.512	1.08198	1.81639	1.38945	9.11170	11.6657	12.6669
Nov.	1.38323	1.21773	9.60412	156.899	1.08446	1.83983	1.38053	9.08694	11.8607	12.5719
Dec.	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768
2019 Jan.	1.40070	1.21927	9.39364	152.564	1.06683	1.84108	1.39089	9.10274	11.7810	12.6277
Feb.	1.39798	1.22458	9.35008	155.021	1.05087	1.84099	1.38854	9.13676	11.9112	12.9179
Mar.	1.38825	1.23565	9.33053	153.985	1.05929	1.85512	1.38256	9.22441	11.9351	12.8859
Apr.	1.38576	1.23530	9.34152	154.789	1.06511	1.86011	1.41237	9.22101	11.9426	13.1801
May	1.37762	1.23542	9.51040	150.615	1.09504	1.86351	1.38444	9.22739	12.0962	13.1570
June	1.39021	1.22163	9.54627	149.698	1.09573	1.81937	1.35532	9.11768	11.8422	12.8891
July	1.37542	1.23345	9.46755	149.315	1.13063	1.80840	1.36159	9.21065	12.0604	13.1541
Aug.	1.36834	1.23989	9.77011	145.632	1.12362	1.82130	1.35363	9.24488	12.4460	13.3967
Sep.	1.36331	1.25200	9.71931	147.169	1.10829	1.80543	1.35697	9.34763	12.3889	13.3668
Oct.	1.37939	1.23668	9.70789	150.119	1.06439	1.81528	1.36208	9.23898	12.6784	13.2827
Nov.	1.37290	1.24707	9.65027	149.797	1.06509	1.82294	1.36981	9.31706	12.5979	13.1661
Dec.	1.38283	1.23588	9.66184	150.894	1.05386	r 1.80583	1.34362	9.23156	12.1685	12.8879
2020 Jan.	1.37695	1.24588	9.56160	150.129	1.04899	1.82212	1.33378	9.31064	12.6947	13.3020

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

2. Daily rates

SDR 1 = CU ...

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	
2019 Nov.	1	1.38002	1.23891	9.71477	149.014	1.06450	1.81569	1.36146	9.25609	12.5920	13.2778
	4	1.37977	1.23657	9.69396	.	1.06797	1.81412	1.36300	9.23881	12.5720	13.1950
	5	1.37811	1.24053	9.65307	149.897	1.06764	1.81263	1.36564	9.26836	12.5945	13.2162
	6	1.37631	1.24104	9.63447	150.101	1.06815	1.81384	1.36750	9.27222	12.5667	13.2693
	7	1.37609	1.24229	9.62529	149.581	1.07276	1.81313	1.36480	9.28238	12.5118	13.2323
	8	1.37348	1.24478	9.59306	150.191	1.07278	1.81616	1.36936	9.30181	12.5589	13.2523
	11	1.37356	1.24405	9.62964	149.759	1.07046	.	1.36662	9.29584	.	13.3514
	12	1.37300	1.24648	9.61391	149.850	1.06973	1.81621	1.32371	9.31402	12.5643	13.3259
	13	1.37266	1.24720	9.63104	149.675	1.06964	1.81864	1.35900	9.31966	12.6452	13.3684
	14	1.37223	1.24782	9.62621	149.202	1.06900	.	1.35706	9.32375	12.6276	13.3511
	15	1.37451	1.24571	9.63865	149.231	1.06733	.	1.35987	9.30830	12.5001	13.3003
	18	1.37569	1.24373	9.64934	149.675	1.06247	1.81783	1.36207	9.29385	12.5442	13.2421
	19	1.37635	1.24253	9.66996	149.375	1.06376	1.82187	1.36444	9.28428	12.5312	13.2481
	20	1.37518	1.24349	9.66819	149.207	1.06636	1.82954	1.36459	9.29273	12.6159	13.3358
	21	1.37675	1.24132	9.69105	149.350	1.06300	1.82901	1.36463	9.27670	12.5395	13.2659
	22	1.37522	1.24364	9.67417	149.432	1.06789	1.82726	1.36663	9.29333	12.5712	13.1992
	25	1.37311	1.24737	9.65745	149.367	1.06670	1.82719	1.37029	9.31984	12.6066	13.1805
	26	1.37298	1.24589	9.65960	149.723	1.06655	1.82441	1.36893	9.30934	12.5796	13.2104
	27	1.37290	1.24707	9.65027	149.797	1.06509	1.82294	1.36981	9.31706	12.5979	13.1661
Dec.	2	1.37231	1.24495	9.66398	150.488	1.06233	1.82477	1.36936	9.30129	12.6180	13.1333
	3	1.37584	1.24274	9.69528	150.145	1.05895	1.83014	1.36022	9.28565	12.6347	13.0827
	4	1.37662	1.24232	9.73558	149.432	1.05391	1.82030	1.36106	9.28195	12.6372	13.1353
	5	1.37811	1.24221	9.70544	150.021	1.04919	1.81552	1.36226	9.28126	12.6225	13.0871
	6	1.37868	1.24273	9.69368	149.973	1.05003	1.82745	1.36290	9.28600	12.5808	13.0768
	9	1.37824	1.24446	9.70036	149.650	1.04658	1.82411	1.36460	9.29904	12.5987	13.1008
	10	1.37856	1.24453	9.70036	149.767	1.04623	1.82425	1.35892	9.30051	12.6722	13.1420
	11	1.37809	1.24432	9.70120	149.854	1.04802	1.81922	1.35756	9.29852	12.6292	13.0647
	12	1.38045	1.23951	9.70648	149.889	1.04738	1.81970	1.35670	9.26303	12.5625	12.9549
	13	1.38409	1.23867	9.66800	151.558	1.03375	1.82465	1.36029	9.25669	12.4647	12.9379
	16	1.38247	1.24033	9.68045	151.228	1.03389	1.81684	1.35890	9.26904	12.4379	12.9613
	17	1.38166	1.23782	9.67408	151.347	1.04615	1.81826	1.35637	9.25035	12.4584	12.9863
	18	1.37948	1.24110	9.66202	150.971	1.04665	1.80975	1.35293	9.27343	12.4548	12.9696
	19	1.37938	1.24078	9.66604	151.152	1.05352	1.81002	1.35255	9.27154	12.3812	12.9726
	20	1.37768	1.24149	9.65661	150.704	1.05817	1.81358	1.35123	9.27644	12.3483	12.9561
	23	1.37658	1.24296	9.65316	150.626	1.06038	1.81158	1.34967	9.28729	12.3215	12.9764
	26	1.37761	.	9.64441	150.918	.	.	.	.	.	.
	27	1.38016	1.23748	9.66053	151.113	1.05525	1.80497	1.34717	9.24445	12.1988	12.9470
	30	1.38283	1.23588	9.66184	150.894	1.05386	1.80583	1.34362	9.23156	12.1685	12.8879
2020 Jan.	2	1.38403	1.23651	9.64255	.	1.04863	1.79813	.	9.23907	12.1682	12.9187
	3	1.38127	1.23914	9.63317	150.725	1.05788	1.79400	1.34488	9.26020	12.1827	12.9934
	6	1.38497	1.23724	9.66081	149.646	1.05281	1.79630	1.34217	9.24616	12.1854	.
	7	1.38432	1.23910	9.61455	150.116	1.05292	1.80086	1.34342	9.25986	12.2111	13.0268
	8	1.38152	1.24294	9.58690	148.956	1.05395	1.79957	1.34305	9.28850	12.2439	13.0412
	9	1.37937	1.24156	9.55694	150.655	1.05971	1.80408	1.34344	9.27833	12.2498	13.0404
	10	1.37938	1.24369	9.56224	151.097	1.05510	1.80023	1.34552	9.29428	12.2809	13.1051
	13	1.38003	1.24036	9.52163	.	1.06426	1.80066	1.34125	9.26947	12.2739	13.1199
	14	1.38062	1.24212	9.50299	151.979	1.06218	1.80337	1.33575	9.28247	12.2871	13.0793
	15	1.38146	1.23987	9.51339	151.864	1.06168	1.80280	1.33380	9.26518	12.2523	13.0892
	16	1.38235	1.23767	9.52127	151.962	1.05838	1.80328	1.33086	9.24907	12.2601	13.0703
	17	1.38061	1.24290	9.46835	152.144	1.05892	1.80336	1.33443	9.28807	12.2911	13.1016
	21	1.37970	1.24130	9.52798	151.767	1.05643	1.80286	1.33486	9.27558	12.3336	13.1538
	22	1.37907	1.24375	9.51819	151.533	1.05277	1.80879	1.33991	9.29437	12.3866	13.1430
	23	1.37960	1.24389	9.56160	151.315	1.05121	1.81321	1.33614	9.29593	12.3989	13.1167
	24	1.37705	1.24789	.	150.856	1.05211	1.80944	.	9.32549	12.4009	13.1274
	27	1.37624	1.24829	.	149.914	1.05193	1.81416	1.33392	9.32818	12.5282	13.1829
	28	1.37517	1.24959	.	149.866	1.05669	1.81234	1.33502	9.33794	12.5907	13.2512
	29	1.37503	1.24991	.	149.988	1.05650	1.81449	1.34072	9.34029	12.5695	13.2212
	30	1.37591	1.24754	.	149.905	1.05244	1.81854	1.33525	9.32279	12.6922	13.2744
	31	1.37695	1.24588	.	150.129	1.04899	1.82212	1.33378	9.31064	12.6947	13.3020
Feb.	3	1.37711	1.24446	9.66912	149.444	1.05482	1.82812	1.32857	9.29964	12.7668	13.2681
	4	1.37635	1.24579	9.62547	149.485	1.05763	1.82751	1.33306	9.30960	12.7005	13.2556
	5	1.37542	1.24777	9.62946	150.512	1.05307	1.82780	1.33636	9.32436	12.6242	13.1625
	6	1.37356	1.24835	9.57387	150.940	1.05960	1.82546	1.33867	9.32827	12.6443	13.1700
	7	1.37089	1.24979	9.57552	150.647	1.06020	1.82397	1.33902	9.33890	12.7069	13.2207

Source: IMF, Washington. * See Explanatory notes, pp. 53-54. 1 ISO currency code: XDR.

VI. Global exchange rate arrangements and monetary policy framework*

As of end-April 2018

Exchange rate arrangement	Monetary policy framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other ¹
	US dollar	Euro	Exchange rate anchor Composite	Other			
No separate legal tender	Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste	Kosovo Montenegro San Marino		Kiribati Nauru Tuvalu			
Currency board	Djibouti Hong Kong ECCU ² Antigua and Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria		Brunei Darussalam			
Conventional peg	Aruba Bahamas Bahrain Barbados Belize Curaçao and Sint Maarten (southern part) Eritrea Iraq Jordan Oman Qatar Saudi Arabia Turkmenistan United Arab Emirates	Cabo Verde Comoros Denmark ⁴ Sao Tome and Principe WAEMU ⁵ Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC ⁶ Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Libya Morocco	Bhutan Eswatini Lesotho Namibia Nepal			Samoa ³ Solomon Islands ³
Stabilised arrangement	Guyana Lebanon Maldives Trinidad and Tobago	Croatia North Macedonia	Singapore Viet Nam ⁷		Angola ⁷ Bolivia, Plurinational State of ⁷ Ethiopia ⁷ Guinea ⁷ Malawi ⁷ Myanmar ⁷ Nigeria ⁷ Suriname ⁷ Tajikistan ^{7,9} Tanzania, United Republic of ⁷ Yemen ⁷	Guatemala ⁷ Indonesia ⁷	Azerbaijan ⁷ Egypt ⁷ Kenya ^{7,8} Pakistan ⁷ South Sudan ⁷ Uzbekistan ⁷
Crawling peg	Honduras Nicaragua		Botswana				

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2018, Table 2, IMF, Washington. * See Explanatory notes, pp. 54-55. ¹ Includes countries that have no explicitly stated nominal anchor, but rather monitor various indicators in conducting monetary policy. ² The members participate in the Eastern Caribbean

Currency Union. ³ The country maintains a de facto exchange rate anchor to a composite. ⁴ The member participates in ERM II. ⁵ The members participate in the West African Economic and Monetary Union. ⁶ The members participate in the Central African Economic and Monetary Community. ⁷ The country maintains a de facto

VI. Global exchange rate arrangements and monetary policy framework*

As of end-April 2018

Exchange rate arrangement	Monetary policy framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other ¹
	US dollar	Euro	Exchange rate anchor Composite	Other			
Crawl-like arrangement			Iran, Islamic Republic of ⁷		Afghanistan ⁷ Bangladesh ⁷ Burundi ⁷ China ³ Rwanda ⁷	Costa Rica ⁷ Dominican Republic ⁷ Serbia ¹⁰	Haiti ⁷ Lao People's Democratic Republic ^{7,11} Mauritania ⁷ Papua New Guinea ⁷ Sri Lanka ^{7,8} Tunisia ^{8,10}
Pegged exchange rate within horizontal bands							Tonga ³
Other managed arrangement	Cambodia Liberia Zimbabwe		Syrian Arab Republic		Algeria Belarus Congo, Democratic Republic of the Gambia Sierra Leone		Kyrgyzstan Sudan ¹¹ Vanuatu Venezuela, Bolivarian Republic of
Floating					Argentina Madagascar Seychelles	Albania Armenia Brazil Colombia Czechia Georgia Ghana Hungary Iceland India Israel Jamaica ^{9,11} Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Romania South Africa Thailand Turkey Uganda Ukraine Uruguay	Malaysia Mauritius Mongolia ⁸ Mozambique ⁸ Switzerland Zambia
Free floating						Australia Canada Chile Japan Mexico Norway Poland Russian Federation Sweden United Kingdom	Somalia ¹² United States Euro area Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

exchange rate anchor to the US dollar. ⁸ The central bank has taken preliminary steps toward inflation targeting. ⁹ The exchange rate arrangement was reclassified twice during this reporting period. ¹⁰ The country maintains a de facto exchange rate anchor to the euro. ¹¹ The exchange rate arrangement or monetary policy frame-

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

VII. ISO currency codes *

As of end-January 2020

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

* Extracted and compiled from ISO communications. ¹ See Explanatory notes on individual countries, pp. 57 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/Frameworkfortheeuroforeignexchangereserates.en.pdf?c883afa875c74877fdf4634dcb85688c>.

■ Effective exchange rates of the euro

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 price competitiveness in the euro area industrial sector. They are calculated by the ECB on the basis of weighted averages of the bilateral euro exchange rates against the currencies of selected trading partners of the euro area, with Q1 1999 = 100. An increase in the index rate indicates an appreciation of the euro and thus, taken in isolation, a decrease in the price competitiveness of the domestic economy. The weights are based on trade in manufactured goods (SITC 5-8) and also capture third-market effects.

The table entitled "Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro" on page 52 shows trading partners' membership of the EER-19 and EER-38 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 first period. For information on the revision of trade weights carried out in August 2017, see the ECB's website (www.ecb.europa.eu/stats/exchange/effective/html/index.en.html).

The real effective exchange rates of the euro additionally take account of the differences in price movements between the groups of countries concerned. If the current price indices for determining the real effective exchange rates 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, shown as a memo item, is methodologically consistent with the ECB's procedure for determining the effective exchange rates of the euro (see Deutsche Bundesbank, Monthly Report, November 2001, pp. 50-53, May 2007, pp. 31-35 and August 2017, pp. 41-43).

The indicators are broken down into three groups in Table III. 1. (p. 18).

The group of 26 selected industrialised countries comprises the respective euro area countries (see Table I. 1., p. 7) as well as Canada, Denmark, Japan, Norway, Sweden, Switzerland, the United Kingdom and the United States.

The group of 37 countries comprises the euro area countries and the EER-19 group. The group of 56 countries consists of the euro area countries as well as the EER-38 group.

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

Figures in %

As of August 2017

Trading partner	Calculation period for weights ¹											
	EER-19						EER-38					
	1995 to 1997	1998 to 2000	2004 to 2006	2007 to 2009	2010 to 2012	2013 to 2015	1995 to 1997	1998 to 2000	2004 to 2006	2007 to 2009	2010 to 2012	2013 to 2015
	Period of use of weights											
	Up to end of 1997	1998 to 2000	2004 to 2006	2007 to 2009	2010 to 2012	From 2013	Up to end of 1997	1998 to 2000	2004 to 2006	2007 to 2009	2010 to 2012	From 2013
EER-38 group							100	100	100	100	100	100
EER-19 group	100	100	100	100	100	100						
Australia	0.90	0.84	0.91	0.89	0.95	0.81	0.73	0.68	0.73	0.72	0.75	0.65
Bulgaria	0.33	0.37	0.55	0.64	0.62	0.67	0.27	0.30	0.44	0.51	0.49	0.54
Canada	1.77	1.92	1.79	1.65	1.53	1.49	1.43	1.57	1.44	1.32	1.21	1.20
China	5.69	6.76	14.22	18.69	22.47	23.28	4.59	5.52	11.45	14.99	17.85	18.74
Croatia	0.68	0.55	0.66	0.64	0.47	0.45	0.55	0.45	0.53	0.51	0.37	0.36
Czechia	2.75	2.95	4.23	5.09	5.19	5.14	2.21	2.41	3.41	4.08	4.12	4.14
Denmark	3.27	2.92	2.77	2.67	2.19	2.07	2.63	2.39	2.23	2.14	1.74	1.67
Hong Kong	2.60	2.23	1.93	1.70	1.80	1.91	2.10	1.82	1.56	1.36	1.43	1.54
Hungary	1.90	2.65	3.20	3.19	2.86	3.02	1.53	2.17	2.57	2.56	2.27	2.43
Japan	10.49	9.59	7.42	6.63	6.25	5.06	8.45	7.83	5.98	5.32	4.96	4.07
Korea, Republic of	3.59	3.17	3.88	3.93	3.91	3.80	2.89	2.59	3.12	3.15	3.10	3.05
Norway	1.60	1.43	1.32	1.34	1.19	1.08	1.29	1.17	1.06	1.07	0.95	0.87
Poland	2.95	3.42	4.93	6.28	6.44	6.86	2.38	2.79	3.97	5.04	5.11	5.52
Romania	0.89	0.99	1.73	1.97	2.09	2.27	0.72	0.81	1.40	1.58	1.66	1.83
Singapore	2.41	2.05	1.81	1.52	1.61	1.45	1.94	1.67	1.46	1.22	1.28	1.16
Sweden	6.05	5.42	5.17	4.89	4.54	4.17	4.87	4.43	4.16	3.92	3.61	3.36
Switzerland	8.27	7.34	6.68	6.63	6.94	6.65	6.66	5.99	5.38	5.32	5.51	5.35
United Kingdom	23.21	21.87	17.81	14.97	13.05	12.93	18.70	17.86	14.34	12.00	10.37	10.40
United States	20.64	23.50	18.99	16.68	15.91	16.89	16.63	19.19	15.29	13.37	12.63	13.60
Additional countries in the EER-38 group												
Algeria							0.31	0.28	0.35	0.38	0.40	0.44
Argentina							0.58	0.50	0.27	0.30	0.38	0.31
Brazil							1.57	1.43	1.27	1.40	1.47	1.26
Chile							0.35	0.32	0.43	0.42	0.42	0.33
China (Taiwan)							2.37	2.44	1.92	1.52	1.51	1.42
Iceland							0.05	0.06	0.08	0.09	0.08	0.06
India							1.54	1.44	1.85	2.22	2.53	2.40
Indonesia							1.04	0.83	0.62	0.62	0.69	0.68
Israel							1.06	1.02	0.73	0.68	0.69	0.71
Malaysia							1.24	1.19	1.15	1.06	1.02	0.97
Mexico							0.89	1.22	1.20	1.21	1.34	1.44
Morocco							0.64	0.63	0.62	0.59	0.59	0.64
New Zealand							0.13	0.11	0.13	0.11	0.10	0.12
Philippines							0.40	0.52	0.42	0.30	0.29	0.34
Russian Federation							2.58	1.90	3.04	3.51	3.49	3.00
South Africa							0.98	0.93	1.06	0.96	0.99	0.85
Thailand							1.26	1.04	1.07	1.12	1.13	1.12
Turkey							2.19	2.24	3.09	3.18	3.31	3.35
Venezuela, Bolivarian Republic of							0.26	0.23	0.16	0.15	0.15	0.09

^o Figures have been rounded. The ECB also publishes weighting schemes and indicators for a group of 12 countries as well as for a group of 18 countries. ¹ Selected calculation periods; for a comprehensive overview, see <https://www.bundesbank.de/en/statistics/external-sector/effective-exchange-rates-of-the-euro>

■ Overview of world currencies

The end-of-month exchange rates listed in Table IV. 1. (pp. 20-42) 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. 48-49). This was developed by the International Organization for Standardization as ISO Standard 4217. This currency code is designed to enable uniformly abbreviated designations for currency-related values to be used in international financial transactions. This applies, inter alia, to all external payments under the SWIFT system. The ISO code should not, however, be confused with the official national currency abbreviations.

The numerical country code is based on the list of countries for foreign trade and payments statistics of the Federal Republic of Germany, which can be found on the Deutsche Bundesbank's website under Service / Reporting systems / External sector / Code lists.

■ Value of the special drawing right

With the introduction of the Chinese renminbi on 1 October 2016, the value of an SDR (ISO code XDR) is defined as the sum of the values of fixed amounts of five currencies.

The composition of the currency basket as well as the weight and amounts of the currency units in the basket are reviewed every five years. In the most recently concluded review (November 2015), the Executive Board of the IMF decided that the Chinese renminbi will be included in the SDR basket as the fifth currency. With effect from 1 October 2016, the SDR basket comprises the five fixed currency amounts shown in column (a). These were fixed on 30 September 2016 on the basis of the average exchange rates in the London spot exchange market in the

third quarter of 2016 and of the initial new percentage weights (column (b)) such that, on 30 September 2016, the new SDR value corresponded with the value calculated on the basis of the old basket (see <http://www.imf.org/external/np/pp/eng/2016/093016.pdf>).

	(a)	(b)
US dollar	0.58252	41.73
Euro	0.38671	30.93
Chinese yuan renminbi	1.0174	10.92
Japanese yen	11.900	8.33
Pound sterling	0.085946	8.09

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

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

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

The requirement for currencies in the SDR basket to be also freely usable is the second criterion, and it was 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 2018 (see Table VI., pp. 46-47) is based on the IMF's "Annual Report on Exchange Arrangements and Exchange Restrictions 2018", which can be purchased from the IMF (<http://www.imfbookstore.org>).

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

Exchange rate arrangements are primarily classified on the basis of the degree to which the exchange rate is 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 ar-

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

The monetary policy frameworks listed are as follows.

Exchange rate anchor

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

Monetary aggregate target

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

Inflation-targeting framework

This involves the public announcement of numerical targets for inflation, with an institutional commitment by the monetary authority to achieve these targets, typically over a medium-term horizon. Additional key features normally include increased communication with the public and the markets about the plans and objectives of monetary policymakers and increased accountability of the central bank for achieving its inflation objectives. Monetary policy decisions are often guided by the deviation of forecasts of

future inflation from the announced inflation target, with the inflation forecast acting (implicitly or explicitly) as the intermediate target of monetary policy.

Other

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

Explanatory notes on individual countries

Angola

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

Argentina

In response to the spiralling financial and sovereign debt crisis, capital controls were imposed on 1 September 2019.

Bangladesh

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

Benin

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

Bhutan

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

Brunei Darussalam

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

Burkina Faso

See Explanatory notes on Benin.

Cameroon

Cameroon, the Central African Republic, Chad, Congo, Equatorial Guinea and Gabon all belong to the Central African Economic and Monetary Community (CEMAC

= Communauté Économique et Monétaire de l'Afrique Centrale). The responsible monetary authority is the Banque des Etats de l'Afrique Centrale, whose CFA franc (F.CFA = Franc de la Coopération Financière en Afrique Centrale) is legal tender only in the aforementioned countries.

Central African Republic

See Explanatory notes on Cameroon.

Chad

See Explanatory notes on Cameroon.

Congo

See Explanatory notes on Cameroon.

Cook Islands

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

Côte d'Ivoire

See Explanatory notes on Benin.

Cuba

Alongside the convertible peso (CUC), which is primarily intended for use by foreigners, there is the Cuban peso (CUP), which is generally used to pay wages and salaries.

In its national accounts, the Cuban government has set the CUC to CUP exchange rate at 1:1. In reality, Cuban pesos can only be exchanged for convertible pesos at a considerable discount.

With effect from 18 March 2005, the Cuban central bank decreed (Acuerdo no 13/2005) that the exchange rate for currency conversion by individuals would be as follows.

The government foreign exchange bureaus (CADECA - casas de cambio) will pay CUP 24 per CUC or USD. Individuals wanting to purchase CUC must, as of that date, pay CUP 25 per CUC.

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

El Salvador

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

Equatorial Guinea

See Explanatory notes on Cameroon.

Eswatini

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

Gabon

See Explanatory notes on Cameroon.

Guinea-Bissau

See Explanatory notes on Benin.

India

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

Iran, Islamic Republic of

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

Central bank rate

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

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

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

Bureau de change rate

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

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

Iraq

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

Kenya

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

Lesotho

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

Liberia

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

Macao

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

Mali

See Explanatory notes on Benin.

Namibia

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

New Caledonia

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

Niger

See Explanatory notes on Benin.

Nigeria

Alongside the official published reference exchange rates, there are bureau de change rates which deviate from these official rates. According to financial information providers, the bureau de change rate has stood at approximately 360 naira to the US dollar since June 2017.

Panama

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

Senegal

See Explanatory notes on Benin.

Singapore

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

Somalia

No exchange rates are available for the Somali shilling.

Togo

See Explanatory notes on Benin.

Turkmenistan

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

United Arab Emirates

The United Arab Emirates include Abu Dhabi, Ajman, Dubai, Fujairah, Ras al Khaimah, Sharjah and Umm al Qaiwain.

United Kingdom

In Scotland and Northern Ireland, a small volume of banknotes issued by commercial banks in these territories is in circulation alongside notes issued by the Bank of England.

Venezuela, Bolivarian Republic of

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