

Exchange rate statistics January 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	Data unknown, not to be published or not meaningful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 Oct.	1	1.9558	7.4111	25.740	7.4655	334.79	4.3774	4.7511	10.8043
	2	1.9558	7.4150	25.739	7.4665	334.05	4.3698	4.7491	10.8118
	3	1.9558	7.4180	25.739	7.4656	333.02	4.3400	4.7470	10.8330
	4	1.9558	7.4215	25.741	7.4666	332.76	4.3245	4.7480	10.8105
	7	1.9558	7.4235	25.781	7.4679	333.64	4.3317	4.7475	10.8910
	8	1.9558	7.4243	25.805	7.4689	334.57	4.3326	4.7486	10.8703
	9	1.9558	7.4270	25.823	7.4691	334.04	4.3236	4.7486	10.9173
	10	1.9558	7.4280	25.893	7.4684	333.51	4.3183	4.7523	10.8415
	11	1.9558	7.4280	25.807	7.4688	331.71	4.3057	4.7573	10.8448
	14	1.9558	7.4315	25.823	7.4689	331.44	4.2931	4.7546	10.8523
	15	1.9558	7.4353	25.820	7.4699	332.38	4.2956	4.7538	10.8225
	16	1.9558	7.4338	25.758	7.4712	333.02	4.2955	4.7561	10.8358
	17	1.9558	7.4425	25.673	7.4707	331.59	4.2855	4.7553	10.8105
	18	1.9558	7.4418	25.659	7.4702	330.62	4.2843	4.7565	10.7742
	21	1.9558	7.4378	25.630	7.4708	329.98	4.2788	4.7584	10.7311
	22	1.9558	7.4405	25.570	7.4708	329.92	4.2778	4.7609	10.7303
	23	1.9558	7.4418	25.638	7.4707	329.11	4.2786	4.7603	10.7385
	24	1.9558	7.4520	25.598	7.4705	329.24	4.2770	4.7520	10.6963
	25	1.9558	7.4530	25.568	7.4704	328.87	4.2777	4.7553	10.7445
	28	1.9558	7.4543	25.480	7.4707	328.16	4.2715	4.7559	10.7503
	29	1.9558	7.4568	25.543	7.4706	328.78	4.2693	4.7559	10.7923
	30	1.9558	7.4606	25.512	7.4709	329.72	4.2629	4.7577	10.8010
	31	1.9558	7.4579	25.509	7.4708	328.70	4.2581	4.7560	10.7498
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

* See Explanatory notes, p. 51.

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

		Other European and non-European countries								
United Kingdom	Australia	Brazil	Canada	China	Hong Kong	Iceland	India			
Pound sterling GBP	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR		Period	
0.88955	1.6274	4.5384	1.4466	7.7903	8.5449	135.30	77.4920		2019 Oct. 1	
0.88970	1.6351	4.5516	1.4467	7.8096	8.5666	135.50	77.8275		2	
0.88790	1.6294	4.5094	1.4606	7.8282	8.5882	135.70	77.7155		3	
0.89045	1.6247	4.4726	1.4612	7.8497	8.6099	135.70	77.8415		4	
0.89155	1.6316	4.4709	1.4633	7.8582	8.6237	136.50	78.0435		7	
0.89795	1.6286	4.5073	1.4623	7.8474	8.6178	136.50	78.1440		8	
0.89850	1.6282	4.4783	1.4607	7.8265	8.6143	137.30	78.0340		9	
0.90155	1.6307	4.5186	1.4678	7.8567	8.6522	138.50	78.3555		10	
0.87518	1.6246	4.5291	1.4679	7.8417	8.6614	137.70	78.4875		11	
0.87983	1.6325	4.5395	1.4576	7.7988	8.6529	138.10	78.5245		14	
0.87058	1.6293	4.5467	1.4562	7.7943	8.6351	138.30	78.6960		15	
0.86560	1.6394	4.6024	1.4563	7.8270	8.6500	138.30	78.7680		16	
0.86840	1.6294	4.6230	1.4644	7.8657	8.7171	138.50	79.0785		17	
0.86435	1.6278	4.6363	1.4639	7.8941	8.7396	139.10	79.2735		18	
0.85930	1.6240	4.6059	1.4643	7.9025	8.7635	139.30	79.1690		21	
0.86065	1.6237	4.5900	1.4581	7.8795	8.7295	139.30	78.9245		22	
0.86408	1.6252	4.5459	1.4558	7.8684	8.7235	138.90	78.8245		23	
0.86288	1.6273	4.4908	1.4545	7.8704	8.7235	138.30	79.0220		24	
0.86598	1.6270	4.4732	1.4511	7.8524	8.7048	138.30	78.7515		25	
0.86328	1.6245	4.4158	1.4487	7.8366	8.6923	138.30	78.4355		28	
0.86328	1.6186	4.4300	1.4486	7.8392	8.6994	138.10	78.6150		29	
0.86200	1.6199	4.4611	1.4534	7.8371	8.7080	138.10	78.7705		30	
0.86133	1.6137	4.4514	1.4673	7.8540	8.7401	138.10	79.1125		31	
0.86008	1.6151	4.4437	1.4682	7.8440	8.7298	138.10	78.8160	Nov.	1	
0.86368	1.6158	4.4644	1.4680	7.8425	8.7461	137.90	78.9205		4	
0.86113	1.6079	4.4655	1.4584	7.7734	8.7040	137.70	78.5290		5	
0.86033	1.6070	4.4242	1.4599	7.7604	8.6786	137.70	78.6855		6	
0.86442	1.6059	4.5238	1.4585	7.7271	8.6689	137.70	78.5490		7	
0.86158	1.6065	4.5583	1.4561	7.7115	8.6372	137.70	78.6520		8	
0.85743	1.6105	4.5949	1.4607	7.7404	8.6422	137.70	78.9905		11	
0.85820	1.6087	4.5868	1.4588	7.7187	8.6202	137.70	78.9690		12	
0.85760	1.6127	4.6017	1.4592	7.7281	8.6204	137.70	79.3190		13	
0.85643	1.6213	4.5928	1.4588	7.7210	8.6098	135.20	79.1000		14	
0.85660	1.6221	4.6296	1.4608	7.7343	8.6361	135.90	79.1630		15	
0.85330	1.6242	4.6201	1.4622	7.7629	8.6593	135.90	79.4260		18	
0.85573	1.6234	4.6465	1.4633	7.7829	8.6709	136.30	79.3975		19	
0.85715	1.6227	4.6409	1.4711	7.7786	8.6549	135.90	79.4230		20	
0.85548	1.6282	4.6453	1.4759	7.7933	8.6739	136.30	79.5675		21	
0.85980	1.6287	4.6313	1.4679	7.7834	8.6525	136.30	79.2710		22	
0.85515	1.6232	4.6295	1.4648	7.7454	8.6164	135.90	78.9370		25	
0.85715	1.6251	4.6915	1.4663	7.7576	8.6256	135.40	78.8165		26	
0.85450	1.6220	4.6743	1.4605	7.7353	8.6176	135.00	78.5495		27	
0.85180	1.6253	4.6793	1.4625	7.7416	8.6136	135.00	78.8095		28	
0.85225	1.6228	4.6459	1.4614	7.7172	8.5954	134.00	78.6875		29	
0.85218	1.6240	4.6654	1.4656	7.7625	8.6297	134.80	78.9785	Dec.	2	
0.85200	1.6186	4.6545	1.4747	7.8140	8.6675	134.40	79.4300		3	
0.84610	1.6203	4.6521	1.4707	7.8149	8.6753	134.20	79.2615		4	
0.84470	1.6251	4.6794	1.4610	7.8125	8.6853	134.40	79.0195		5	
0.84453	1.6190	4.6402	1.4618	7.7993	8.6852	134.60	79.0435		6	
0.84195	1.6228	4.5903	1.4675	7.7960	8.6692	134.30	78.7070		9	
0.84073	1.6275	4.5891	1.4666	7.7968	8.6691	134.70	78.5610		10	
0.84245	1.6194	4.5590	1.4661	7.7960	8.6538	135.10	78.4115		11	
0.84560	1.6165	4.5788	1.4676	7.8374	8.6923	136.70	78.9355		12	
0.83508	1.6159	4.5664	1.4712	7.7900	8.7062	137.00	79.0610		13	
0.83415	1.6177	4.5491	1.4621	7.8025	8.6856	136.80	79.1063		16	
0.84748	1.6294	4.5409	1.4690	7.8090	8.6953	136.60	79.2035		17	
0.85055	1.6227	4.5097	1.4624	7.7783	8.6566	137.20	78.8950		18	
0.85073	1.6188	4.5163	1.4588	7.7931	8.6687	137.20	79.0320		19	
0.85133	1.6088	4.5175	1.4579	7.7764	8.6511	136.40	79.0035		20	
0.85708	1.6008	4.5220	1.4577	7.7652	8.6232	135.40	78.9455		23	
0.85533	1.6019	4.5246	1.4582	7.7643	8.6290	135.60	78.9525		24	
0.85130	1.5996	4.5157	1.4592	7.8025	8.6845	135.60	79.6370		27	
0.85208	1.5992	4.5128	1.4621	7.8175	8.7133	135.80	79.8120		30	
0.85080	1.5995	4.5157	1.4598	7.8205	8.7473	135.80	80.1870		31	
0.84828	1.6006	4.4870	1.4549	7.7946	8.7203	136.90	79.9065	2020 Jan.	2	
0.85115	1.6031	4.5271	1.4471	7.7712	8.6713	136.90	80.0085		3	
0.85215	1.6119	4.5461	1.4525	7.8049	8.6978	137.30	80.5175		6	
0.85183	1.6251	4.5625	1.4520	7.7562	8.6836	137.30	80.2650		7	
0.84868	1.6195	4.5092	1.4470	7.7184	8.6424	137.10	79.7090		8	
0.85285	1.6193	4.5194	1.4505	7.7011	8.6317	137.70	79.1620		9	

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)

Period	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway
	Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK
2019 Oct.								
1	15,505.67	3.7907	118.00	1,310.56	4.5712	21.5587	1.7528	9.9463
2	15,516.78	3.8121	117.47	1,318.20	4.5825	21.6365	1.7512	9.9930
3	15,520.30	3.8282	117.17	1,317.84	4.5857	21.6283	1.7421	10.0165
4	15,531.39	3.8254	117.23	1,312.32	4.5953	21.5087	1.7350	9.9915
7	15,579.88	3.8405	117.44	1,315.20	4.6094	21.5000	1.7452	10.0388
8	15,550.68	3.8566	117.43	1,316.41	4.6070	21.5316	1.7373	10.0450
9	15,560.08	3.8465	117.91	1,314.77	4.6087	21.4520	1.7381	10.0528
10	15,609.10	3.8694	118.52	1,315.87	4.6205	21.5223	1.7422	10.0535
11	15,601.55	3.8673	119.75	1,308.61	4.6220	21.3965	1.7419	10.0375
14	15,586.80	3.8703	119.40	1,307.06	4.6198	21.2983	1.7529	10.0463
15	15,591.42	3.8784	119.23	1,305.51	4.6125	21.1647	1.7551	10.0653
16	15,662.11	3.9044	119.90	1,310.51	4.6250	21.2053	1.7653	10.1465
17	15,732.67	3.9346	120.81	1,310.18	4.6443	21.3437	1.7564	10.1925
18	15,773.15	3.9462	120.97	1,314.33	4.6654	21.3875	1.7488	10.2198
21	15,713.09	3.9484	121.29	1,309.04	4.6709	21.4000	1.7432	10.1638
22	15,626.52	3.9411	120.87	1,305.83	4.6618	21.2721	1.7358	10.1833
23	15,604.46	3.9329	120.63	1,303.45	4.6578	21.3268	1.7361	10.1775
24	15,619.26	3.9220	120.86	1,305.33	4.6571	21.2595	1.7400	10.1368
25	15,588.67	3.9242	120.59	1,304.87	4.6494	21.2020	1.7456	10.1865
28	15,536.21	3.9187	120.69	1,297.10	4.6410	21.1244	1.7482	10.2105
29	15,590.95	3.9162	120.88	1,295.86	4.6410	21.1812	1.7481	10.2748
30	15,600.04	3.9200	120.99	1,297.21	4.6423	21.2538	1.7504	10.2488
31	15,701.50	3.9342	120.73	1,302.87	4.6607	21.3265	1.7359	10.2520
Nov.								
1	15,640.93	3.9272	120.43	1,300.09	4.6400	21.3164	1.7326	10.1638
4	15,643.31	3.9279	120.93	1,296.92	4.6311	21.3095	1.7358	10.1668
5	15,516.50	3.8880	120.93	1,284.34	4.5886	21.3072	1.7339	10.1525
6	15,542.64	3.8644	120.88	1,284.30	4.5874	21.3050	1.7385	10.1260
7	15,501.71	3.8623	120.90	1,279.27	4.5682	21.1970	1.7383	10.0715
8	15,463.05	3.8533	120.72	1,276.66	4.5609	21.1383	1.7426	10.0893
11	15,540.68	3.8591	120.29	1,288.00	4.5749	21.1057	1.7348	10.0910
12	15,499.48	3.8578	120.24	1,281.79	4.5630	21.0924	1.7382	10.0798
13	15,522.75	3.8482	119.79	1,288.15	4.5713	21.3723	1.7228	10.1390
14	15,508.18	3.8271	119.49	1,287.87	4.5720	21.3699	1.7223	10.1198
15	15,528.15	3.8352	119.95	1,285.34	4.5817	21.2194	1.7255	10.0345
18	15,588.27	3.8250	120.55	1,289.14	4.5964	21.2907	1.7275	10.0860
19	15,607.49	3.8313	120.46	1,292.01	4.6053	21.3370	1.7259	10.0853
20	15,602.04	3.8425	119.96	1,294.49	4.6066	21.4802	1.7222	10.1455
21	15,624.45	3.8309	120.46	1,303.11	4.6244	21.5649	1.7239	10.1018
22	15,575.19	3.8332	120.03	1,303.07	4.6123	21.4472	1.7236	10.1083
25	15,512.47	3.8114	119.88	1,293.96	4.5997	21.3437	1.7187	10.1065
26	15,538.08	3.8147	120.09	1,296.87	4.6097	21.4669	1.7165	10.0968
27	15,517.01	3.8205	120.18	1,295.88	4.5930	21.4480	1.7121	10.1020
28	15,517.93	3.8170	120.50	1,298.00	4.5929	21.5787	1.7136	10.1130
29	15,490.11	3.8136	120.43	1,295.81	4.5882	21.4483	1.7090	10.1045
Dec.								
2	15,569.99	3.8327	120.75	1,306.52	4.6071	21.5670	1.7019	10.1353
3	15,615.65	3.8596	120.39	1,319.15	4.6216	21.6958	1.7000	10.1668
4	15,629.75	3.8462	120.45	1,321.20	4.6280	21.6167	1.6980	10.1723
5	15,603.71	3.8418	120.69	1,320.69	4.6256	21.4895	1.6997	10.1613
6	15,554.41	3.8465	120.44	1,317.31	4.6145	21.4658	1.6886	10.1235
9	15,506.11	3.8434	120.15	1,319.29	4.6074	21.3499	1.6890	10.1238
10	15,518.88	3.8372	120.27	1,320.74	4.6130	21.2903	1.6945	10.1823
11	15,554.28	3.8503	120.44	1,321.50	4.6122	21.2920	1.6924	10.1495
12	15,630.78	3.8749	120.95	1,323.39	4.6324	21.2831	1.6906	10.1350
13	15,626.84	3.8894	122.43	1,308.97	4.6199	21.2518	1.6873	10.0630
16	15,609.97	3.8922	121.97	1,304.67	4.6167	21.2022	1.6859	10.0280
17	15,615.64	3.8996	122.31	1,299.38	4.6239	21.1278	1.6974	10.0648
18	15,558.78	3.8930	121.81	1,296.56	4.5999	21.0900	1.6920	10.0353
19	15,551.77	3.8827	121.73	1,296.60	4.6047	21.1158	1.6898	9.9785
20	15,510.83	3.8584	121.31	1,286.58	4.5942	21.0259	1.6811	9.9463
23	15,489.50	3.8452	121.18	1,288.52	4.5878	21.0016	1.6732	9.9130
24	15,495.40	3.8464	121.19	1,287.71	4.5832	21.0106	1.6716	9.9118
27	15,573.91	3.8611	122.23	1,294.42	4.6034	21.0989	1.6655	9.8578
30	15,565.65	3.8749	122.19	1,294.35	4.5948	21.0850	1.6638	9.8460
31	15,595.60	3.8845	121.94	1,296.28	4.5953	21.2202	1.6653	9.8638
2020 Jan.								
2	15,540.92	3.8690	121.75	1,298.24	4.5764	21.1383	1.6718	9.8408
3	15,536.69	3.8766	120.54	1,300.32	4.5725	21.1433	1.6718	9.8315
6	15,604.44	3.8913	121.02	1,308.83	4.5940	21.1418	1.6788	9.8488
7	15,501.15	3.8731	121.15	1,302.48	4.5727	21.0852	1.6833	9.8548
8	15,441.51	3.8541	120.86	1,297.37	4.5588	20.9079	1.6739	9.8508
9	15,387.35	3.8556	121.54	1,288.28	4.5445	20.8637	1.6796	9.8665

* See Explanatory notes, p. 51.

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

Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States		
Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD	Period	
56.610	71.0815	1.5108	16.6700	1.0906	33.430	6.1979	1.0898	2019 Oct.	1
56.806	71.2142	1.5137	16.6627	1.0940	33.458	6.2595	1.0925		2
56.738	71.2751	1.5128	16.6077	1.0957	33.461	6.2448	1.0951		3
56.811	71.1420	1.5139	16.6446	1.0913	33.437	6.2505	1.0979		4
57.024	71.3155	1.5175	16.6332	1.0924	33.476	6.3100	1.0993		7
56.955	71.6225	1.5168	16.7732	1.0898	33.403	6.4120	1.0986		8
56.816	71.1918	1.5153	16.6248	1.0927	33.311	6.4053	1.0981		9
56.970	71.2901	1.5187	16.6898	1.0948	33.537	6.4936	1.1030		10
56.927	70.8034	1.5177	16.3978	1.1025	33.642	6.4713	1.1043		11
56.899	70.8543	1.5103	16.3283	1.0983	33.529	6.5424	1.1031		14
56.829	70.9456	1.5088	16.3590	1.0977	33.434	6.4678	1.1007		15
56.845	70.8212	1.5138	16.5129	1.0997	33.533	6.5076	1.1025		16
57.021	71.1371	1.5171	16.5285	1.0991	33.689	6.5530	1.1113		17
57.070	71.3066	1.5214	16.4566	1.0996	33.761	6.4447	1.1144		18
57.046	71.1373	1.5203	16.4831	1.1002	33.804	6.5047	1.1173		21
56.969	70.9699	1.5164	16.3337	1.1004	33.735	6.4897	1.1130		22
56.765	71.0887	1.5161	16.3217	1.1004	33.730	6.4318	1.1123		23
57.088	71.1856	1.5162	16.2753	1.1019	33.707	6.4251	1.1128		24
56.951	70.8240	1.5140	16.2387	1.1019	33.504	6.4012	1.1107		25
56.731	70.5328	1.5104	16.1202	1.1047	33.488	6.3479	1.1087		28
56.623	70.9154	1.5121	16.2241	1.1041	33.524	6.3596	1.1095		29
56.591	70.9556	1.5141	16.5609	1.1032	33.580	6.3615	1.1106		30
56.704	71.3639	1.5174	16.9120	1.1007	33.668	6.3717	1.1154		31
56.286	71.0786	1.5129	16.8280	1.1013	33.623	6.3761	1.1139	Nov.	1
56.376	70.5726	1.5146	16.5296	1.1021	33.689	6.3483	1.1158		4
56.012	70.4334	1.5078	16.3876	1.1009	33.544	6.3807	1.1109		5
56.126	70.6538	1.5065	16.4153	1.1010	33.608	6.3803	1.1090		6
55.917	70.5790	1.5035	16.3233	1.0998	33.624	6.3613	1.1077		7
55.809	70.4653	1.5002	16.3121	1.0991	33.527	6.3513	1.1034		8
56.138	70.5319	1.5025	16.4150	1.0972	33.493	6.3722	1.1041		11
55.959	70.4859	1.4994	16.3334	1.0963	33.416	6.3590	1.1015		12
56.025	70.8149	1.5000	16.4441	1.0894	33.277	6.3316	1.1006		13
55.788	70.4908	1.4989	16.3205	1.0873	33.218	6.3361	1.0997		14
55.849	70.3938	1.5021	16.2494	1.0924	33.350	6.3433	1.1034		15
56.081	70.6242	1.5047	16.3463	1.0960	33.443	6.3316	1.1061		18
56.371	70.6272	1.5070	16.3211	1.0979	33.458	6.3310	1.1077		19
56.279	70.7748	1.5059	16.3671	1.0977	33.382	6.3003	1.1059		20
56.419	70.6406	1.5098	16.2645	1.0998	33.500	6.3097	1.1091		21
56.235	70.4361	1.5072	16.2718	1.0994	33.390	6.3119	1.1058		22
55.915	70.4399	1.5030	16.2262	1.0986	33.272	6.3196	1.1008		25
56.016	70.5445	1.5057	16.3384	1.0993	33.297	6.3255	1.1020		26
55.958	70.4425	1.5028	16.1885	1.0986	33.286	6.3442	1.1009		27
55.900	70.5328	1.5032	16.2298	1.0991	33.263	6.3477	1.1005		28
55.838	70.5544	1.5017	16.1197	1.0998	33.204	6.3198	1.0982		29
56.317	70.9217	1.5085	16.1770	1.0995	33.383	6.3436	1.1023	Dec.	2
56.583	71.0634	1.5117	16.2253	1.0947	33.529	6.3508	1.1071		3
56.519	70.7959	1.5103	16.1224	1.0956	33.581	6.3608	1.1081		4
56.402	70.7798	1.5103	16.2774	1.0964	33.676	6.3845	1.1094		5
56.348	70.7441	1.5084	16.2232	1.0968	33.645	6.3893	1.1094		6
56.316	70.5731	1.5060	16.1780	1.0959	33.571	6.4270	1.1075		9
56.243	70.4627	1.5062	16.4121	1.0922	33.558	6.4300	1.1077		10
56.279	70.3925	1.5060	16.3512	1.0916	33.518	6.4349	1.1075		11
56.476	70.0885	1.5117	16.3248	1.0939	33.606	6.4390	1.1137		12
56.441	69.9930	1.5106	16.1393	1.0982	33.729	6.4822	1.1174		13
56.421	69.8317	1.5096	16.1305	1.0953	33.689	6.5190	1.1146		16
56.413	69.8758	1.5132	16.0926	1.0946	33.737	6.5622	1.1162		17
56.271	69.5288	1.5075	15.9700	1.0913	33.606	6.5732	1.1115		18
56.263	69.4593	1.5074	15.9180	1.0899	33.568	6.6022	1.1117		19
56.284	68.9657	1.5036	15.7936	1.0883	33.496	6.5774	1.1097		20
56.471	69.0297	1.5018	15.7605	1.0870	33.408	6.5834	1.1075		23
56.331	68.7932	1.5017	15.7264	1.0878	33.412	6.5994	1.1080		24
56.574	69.2013	1.5083	15.6649	1.0890	33.632	6.6449	1.1153		27
56.784	69.2781	1.5088	15.7398	1.0871	33.472	6.6567	1.1189		30
56.900	69.9563	1.5111	15.7773	1.0854	33.415	6.6843	1.1234		31
56.825	69.1893	1.5084	15.7496	1.0865	33.741	6.6699	1.1193	2020 Jan.	2
56.983	69.1190	1.5047	15.9222	1.0840	33.614	6.6587	1.1147		3
57.247	69.4047	1.5110	15.9465	1.0850	33.744	6.6900	1.1194		6
56.832	69.2576	1.5081	15.9724	1.0850	33.823	6.6760	1.1172		7
56.420	68.6389	1.5014	15.8166	1.0792	33.740	6.6158	1.1115		8
56.250	68.0757	1.5018	15.7839	1.0808	33.647	6.5331	1.1110		9

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

2. Monthly averages +

EUR 1 = CU ...

Period	EU member countries									Other European
	Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden	United Kingdom	Australia
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD
2014 Nov.	1.9558	7.6700	27.667	7.4415	306.89	4.2121	4.4288	9.2384	0.79054	1.4432
Dec.	1.9558	7.6682	27.640	7.4402	310.83	4.2155	4.4583	9.4043	0.78830	1.4928
2015 Jan.	1.9558	7.6883	27.895	7.4406	316.50	4.2783	4.4874	9.4167	0.76680	1.4390
Feb.	1.9558	7.7114	27.608	7.4501	306.88	4.1760	4.4334	9.4901	0.74051	1.4568
Mar.	1.9558	7.6467	27.379	7.4593	303.45	4.1259	4.4339	9.2449	0.72358	1.4008
Apr.	1.9558	7.5896	27.439	7.4655	299.43	4.0180	4.4155	9.3254	0.72116	1.3939
May	1.9558	7.5591	27.397	7.4612	306.33	4.0811	4.4477	9.3037	0.72124	1.4123
June	1.9558	7.5719	27.307	7.4603	311.96	4.1586	4.4671	9.2722	0.72078	1.4530
July	1.9558	7.5863	27.094	7.4616	311.53	4.1524	4.4391	9.3860	0.70685	1.4844
Aug.	1.9558	7.5578	27.041	7.4627	311.61	4.1953	4.4235	9.5155	0.71423	1.5269
Sep.	1.9558	7.5890	27.089	7.4610	313.14	4.2176	4.4236	9.3924	0.73129	1.5900
Oct.	1.9558	7.6208	27.105	7.4601	311.27	4.2508	4.4227	9.3485	0.73287	1.5586
Nov.	1.9558	7.6074	27.039	7.4602	312.27	4.2494	4.4453	9.3133	0.70658	1.5011
Dec.	1.9558	7.6397	27.027	7.4612	314.40	4.2900	4.5033	9.2451	0.72595	1.5009
2016 Jan.	1.9558	7.6582	27.027	7.4619	314.68	4.4074	4.5311	9.2826	0.75459	1.5510
Feb.	1.9558	7.6355	27.040	7.4628	310.37	4.3970	4.4814	9.4105	0.77559	1.5556
Mar.	1.9558	7.5593	27.051	7.4569	311.15	4.2932	4.4666	9.2848	0.78020	1.4823
Apr.	1.9558	7.4947	27.031	7.4427	311.46	4.3106	4.4724	9.2027	0.79230	1.4802
May	1.9558	7.4979	27.026	7.4386	314.58	4.4039	4.4991	9.2948	0.77779	1.5461
June	1.9558	7.5204	27.061	7.4371	313.98	4.3996	4.5230	9.3338	0.79049	1.5173
July	1.9558	7.4930	27.042	7.4390	314.35	4.3964	4.4856	9.4742	0.84106	1.4694
Aug.	1.9558	7.4866	27.025	7.4408	310.21	4.3005	4.4591	9.4913	0.85521	1.4690
Sep.	1.9558	7.5005	27.022	7.4475	308.68	4.3207	4.4502	9.5655	0.85228	1.4768
Oct.	1.9558	7.5068	27.022	7.4402	307.00	4.3076	4.4942	9.7073	0.89390	1.4470
Nov.	1.9558	7.5211	27.033	7.4406	308.82	4.3911	4.5100	9.8508	0.86894	1.4331
Dec.	1.9558	7.5404	27.031	7.4362	312.24	4.4357	4.5164	9.7095	0.84441	1.4356
2017 Jan.	1.9558	7.5300	27.021	7.4355	308.99	4.3671	4.5018	9.5110	0.86100	1.4252
Feb.	1.9558	7.4476	27.021	7.4348	308.50	4.3081	4.5136	9.4762	0.85273	1.3886
Mar.	1.9558	7.4231	27.021	7.4356	309.71	4.2871	4.5476	9.5279	0.86560	1.4018
Apr.	1.9558	7.4503	26.823	7.4376	311.57	4.2374	4.5291	9.5941	0.84824	1.4241
May	1.9558	7.4317	26.572	7.4400	309.77	4.1998	4.5539	9.7097	0.85554	1.4878
June	1.9558	7.4104	26.264	7.4376	308.28	4.2113	4.5721	9.7538	0.87724	1.4861
July	1.9558	7.4116	26.079	7.4366	306.71	4.2362	4.5689	9.5892	0.88617	1.4772
Aug.	1.9558	7.4054	26.101	7.4379	304.37	4.2666	4.5789	9.5485	0.91121	1.4919
Sep.	1.9558	7.4639	26.075	7.4401	308.37	4.2693	4.5992	9.5334	0.89470	1.4946
Oct.	1.9558	7.5085	25.766	7.4429	309.95	4.2627	4.5895	9.6138	0.89071	1.5099
Nov.	1.9558	7.5512	25.538	7.4420	311.89	4.2268	4.6347	9.8479	0.88795	1.5395
Dec.	1.9558	7.5393	25.645	7.4433	313.16	4.2032	4.6348	9.9370	0.88265	1.5486
2018 Jan.	1.9558	7.4359	25.452	7.4455	309.27	4.1632	4.6491	9.8200	0.88331	1.5340
Feb.	1.9558	7.4399	25.320	7.4457	311.74	4.1653	4.6559	9.9384	0.88396	1.5684
Mar.	1.9558	7.4384	25.429	7.4490	312.19	4.2092	4.6613	10.1608	0.88287	1.5889
Apr.	1.9558	7.4209	25.365	7.4479	311.72	4.1937	4.6578	10.3717	0.87212	1.5972
May	1.9558	7.3912	25.640	7.4482	316.93	4.2850	4.6404	10.3419	0.87726	1.5695
June	1.9558	7.3822	25.778	7.4493	322.70	4.3038	4.6623	10.2788	0.87886	1.5579
July	1.9558	7.3971	25.850	7.4523	324.60	4.3239	4.6504	10.3076	0.88726	1.5792
Aug.	1.9558	7.4261	25.681	7.4558	323.02	4.2858	4.6439	10.4668	0.89687	1.5762
Sep.	1.9558	7.4294	25.614	7.4583	324.82	4.3006	4.6471	10.4426	0.89281	1.6189
Oct.	1.9558	7.4245	25.819	7.4597	323.84	4.3046	4.6658	10.3839	0.88272	1.6158
Nov.	1.9558	7.4281	25.935	7.4611	322.33	4.3018	4.6610	10.2918	0.88118	1.5681
Dec.	1.9558	7.4041	25.835	7.4653	322.74	4.2900	4.6536	10.2766	0.89774	1.5849
2019 Jan.	1.9558	7.4286	25.650	7.4657	319.80	4.2916	4.7062	10.2685	0.88603	1.5975
Feb.	1.9558	7.4151	25.726	7.4627	317.91	4.3175	4.7486	10.4986	0.87264	1.5895
Mar.	1.9558	7.4206	25.676	7.4625	315.92	4.2969	4.7546	10.4999	0.85822	1.5959
Apr.	1.9558	7.4282	25.677	7.4650	321.18	4.2864	4.7584	10.4819	0.86179	1.5802
May	1.9558	7.4189	25.768	7.4675	324.98	4.2958	4.7594	10.7372	0.87176	1.6116
June	1.9558	7.4079	25.605	7.4669	322.56	4.2635	4.7250	10.6263	0.89107	1.6264
July	1.9558	7.3903	25.548	7.4656	325.27	4.2596	4.7286	10.5604	0.89942	1.6061
Aug.	1.9558	7.3897	25.802	7.4602	326.91	4.3466	4.7280	10.7356	0.91554	1.6431
Sep.	1.9558	7.4012	25.868	7.4634	332.45	4.3531	4.7381	10.6968	0.89092	1.6162
Oct.	1.9558	7.4363	25.689	7.4693	331.46	4.3013	4.7538	10.8023	0.87539	1.6271
Nov.	1.9558	7.4400	25.531	7.4720	333.62	4.2855	4.7698	10.6497	0.85761	1.6181
Dec.	1.9558	7.4416	25.497	7.4720	330.71	4.2726	4.7779	10.4827	0.84731	1.6154

* 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 *

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	United Kingdom Pound sterling GBP	Australia Australian dollar AUD	Brazil Brazilian real BRL 2	Canada Canadian dollar CAD	
End of year											
2006	0.4293	3.8310	3.3835	34.435	239.6400	9.0404	0.67150	1.6691	2.8141	1.5281	
2007	0.4293	3.5935	3.6077	33.583	–	9.4415	0.73335	1.6757	2.5914	1.4449	
2008	–	4.1535	4.0225	30.126	–	10.8700	0.95250	2.0274	3.2436	1.6998	
2009	–	4.1045	4.2363	–	–	10.2520	0.88810	1.6008	2.5113	1.5128	
2010	–	3.9750	4.2620	–	–	8.9655	0.86075	1.3136	2.2177	1.3322	
2011	–	4.4580	4.3233	–	–	8.9120	0.83530	1.2723	2.4159	1.3215	
2012	–	4.0740	4.4445	–	–	8.5820	0.81610	1.2712	2.7036	1.3137	
2013	–	4.1543	4.4710	–	–	8.8591	0.83370	1.5423	3.2576	1.4671	
2014	–	4.2732	4.4828	–	–	9.3930	0.77890	1.4829	3.2207	1.4063	
2015	–	4.2639	4.5240	–	–	9.1895	0.73395	1.4897	4.3117	1.5116	
2016	–	4.4103	4.5390	–	–	9.5525	0.85618	1.4596	3.4305	1.4188	
2017	–	4.1770	4.6585	–	–	9.8438	0.88723	1.5346	3.9729	1.5039	
2018	–	4.3014	4.6635	–	–	10.2548	0.89453	1.6220	4.4440	1.5605	
2019	–	4.2568	4.7830	–	–	10.4468	0.85080	1.5995	4.5157	1.4598	
Annual averages +											
2006	0.4293	3.8959	3.5258	37.234	239.5961	9.2544	0.68173	1.6668	2.7333	1.4237	
2007	0.4293	3.7837	3.3353	33.775	–	9.2501	0.68434	1.6348	2.6633	1.4678	
2008	–	3.5121	3.6826	31.262	–	9.6152	0.79628	1.7416	2.6737	1.5594	
2009	–	4.3276	4.2399	–	–	10.6191	0.89094	1.7727	2.7674	1.5850	
2010	–	3.9947	4.2122	–	–	9.5373	0.85784	1.4423	2.3314	1.3651	
2011	–	4.1206	4.2391	–	–	9.0298	0.86788	1.3484	2.3265	1.3761	
2012	–	4.1847	4.4593	–	–	8.7041	0.81087	1.2407	2.5084	1.2842	
2013	–	4.1975	4.4190	–	–	8.6515	0.84926	1.3777	2.8687	1.3684	
2014	–	4.1843	4.4437	–	–	9.0985	0.80612	1.4719	3.1211	1.4661	
2015	–	4.1841	4.4454	–	–	9.3535	0.72584	1.4777	3.7004	1.4186	
2016	–	4.3632	4.4904	–	–	9.4689	0.81948	1.4883	3.8561	1.4659	
2017	–	4.2570	4.5688	–	–	9.6351	0.87667	1.4732	3.6054	1.4647	
2018	–	4.2615	4.6540	–	–	10.2583	0.88471	1.5797	4.3085	1.5294	
2019	–	4.2976	4.7453	–	–	10.5891	0.87777	1.6109	4.4134	1.4855	

* 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)										
	China	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico
Period	Chinese yuan renminbi CNY	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
End of year										
2006	10.2793	10.2409	93.13	58.2180	11,844.44	5.5677	156.93	1,224.81	4.6490	14.2899
2007	10.7524	11.4800	91.90	57.8620	13,826.70	5.6539	164.93	1,377.96	4.8682	16.0732
2008	9.4956	10.7858	¹	67.4370	15,239.12	5.2919	126.14	1,839.13	4.8048	19.2333
2009	9.8350	11.1709	–	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223
2010	8.8220	10.3856	–	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475
2011	8.1588	10.0510	–	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512
2012	8.2207	10.2260	–	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845
2013	8.3491	10.6933	–	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731
2014	7.5358	9.4170	–	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679
2015	7.0608	8.4376	–	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145
2016	7.3202	8.1751	–	71.5935	14,173.43	4.0477	123.40	1,269.36	4.7287	21.7719
2017	7.8044	9.3720	–	76.6055	16,239.12	4.1635	135.01	1,279.61	4.8536	23.6612
2018	7.8751	8.9675	133.20	79.7298	16,500.00	4.2972	125.85	1,277.93	4.7317	22.4921
2019	7.8205	8.7473	135.80	80.1870	15,595.60	3.8845	121.94	1,296.28	4.5953	21.2202
Annual averages +										
2006	10.0096	9.7545	87.76	56.8435	11,512.37	5.5920	146.02	1,198.58	4.6044	13.6936
2007	10.4178	10.6912	87.63	56.4186	12,528.33	5.6278	161.25	1,272.99	4.7076	14.9743
2008	10.2236	11.4541	¹ 143.83	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911
2009	9.5277	10.8114	–	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989
2010	8.9712	10.2994	–	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373
2011	8.9960	10.8362	–	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877
2012	8.1052	9.9663	–	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029
2013	8.1646	10.3016	–	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641
2014	8.1857	10.3025	–	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550
2015	6.9733	8.6014	–	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157
2016	7.3522	8.5922	–	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673
2017	7.6290	8.8045	–	73.5324	15,118.01	4.0622	126.71	1,276.74	4.8527	21.3286
2018	7.8081	9.2559	¹ 127.89	80.7332	16,803.22	4.2423	130.40	1,299.07	4.7634	22.7054
2019	7.7355	8.7715	137.28	78.8361	15,835.27	3.9901	122.01	1,305.32	4.6374	21.5565

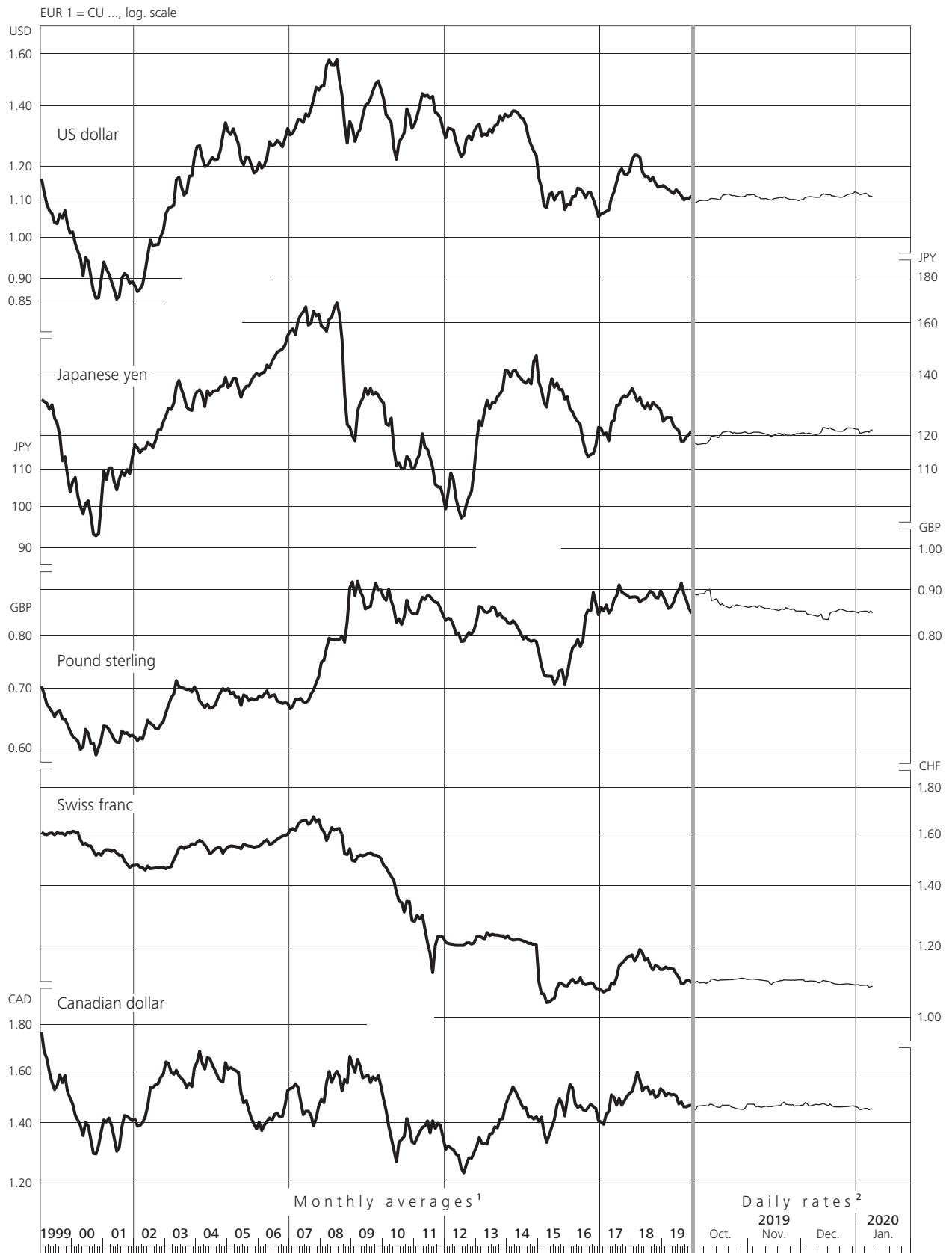
Other European and non-European countries (cont'd)										
	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
Period	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira ⁵ TRY	US dollar USD
End of year										
2006	1.8725	8.2380	64.546	34.6800	2.0202	9.2124	1.6069	46.770	1.8640	1.3170
2007	1.9024	7.9580	60.724	35.9860	2.1163	10.0298	1.6547	43.800	1.7170	1.4721
2008	2.4191	9.7500	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2.1488	1.3917
2009	1.9803	8.3000	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	1.4406
2010	1.7200	7.8000	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	1.3362
2011	1.6737	7.7540	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	1.2939
2012	1.6045	7.3483	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	1.3194
2013	1.6762	8.3630	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	1.3791
2014	1.5525	9.0420	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	1.2141
2015	1.5923	9.6030	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	1.0887
2016	1.5158	9.0863	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	1.0541
2017	1.6850	9.8403	59.795	69.3920	1.6024	14.8054	1.1702	39.121	4.5464	1.1993
2018	1.7056	9.9483	60.113	79.7153	1.5591	16.4594	1.1269	37.052	6.0588	1.1450
2019	1.6653	9.8638	56.900	69.9563	1.5111	15.7773	1.0854	33.415	6.6843	1.1234
Annual averages +										
2006	1.9373	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1.8090	1.2556
2007	1.8627	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1.7865	1.3705
2008	2.0770	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1.9064	1.4708
2009	2.2121	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	1.3948
2010	1.8377	8.0043	49.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	1.3257
2011	1.7600	7.7934	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	1.3920
2012	1.5867	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	1.2848
2013	1.6206	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	1.3281
2014	1.5995	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	1.3285
2015	1.5930	8.9496	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	1.1095
2016	1.5886	9.2906	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	1.1069
2017	1.5897	9.3270	56.973	65.9383	1.5588	15.0490	1.1117	38.296	4.1206	1.1297
2018	1.7065	9.5975	62.210	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	1.1810
2019	1.6998	9.8511	57.985	72.4553	1.5273	16.1757	1.1124	34.757	6.3578	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.

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

4. Exchange rates of major currencies



¹ Last monthly average: December 2019. ² Last updated: 9 January 2020.

III. Effective exchange rates of the euro *

1. Annual and monthly averages

Q1 1999 = 100

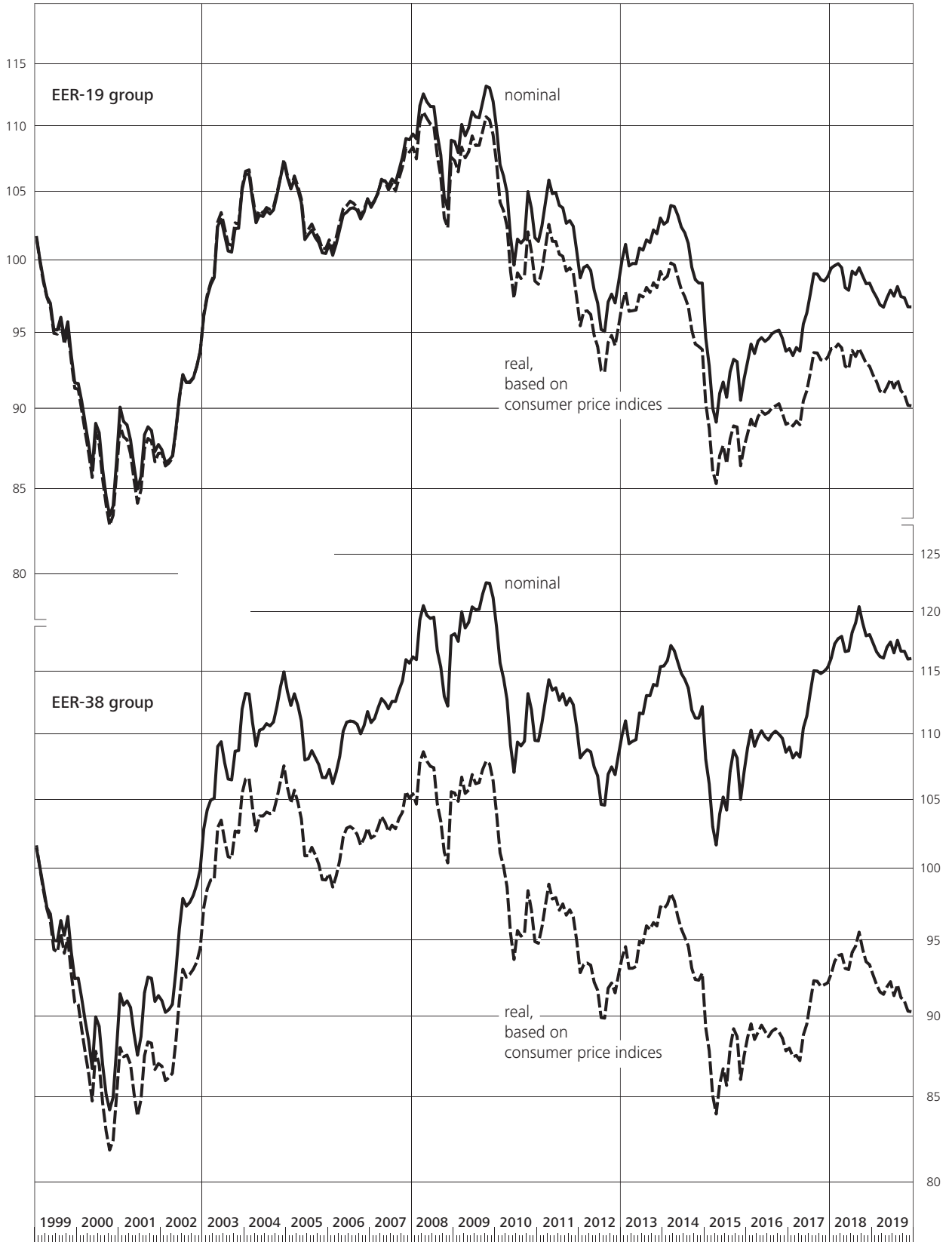
Period	Effective exchange rate of the euro vis-à-vis the currencies of the group ¹				Memo item: Indicators of the German economy's price competitiveness based on consumer price indices vis-à-vis					
	EER-19		EER-38 ²		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based 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	97.1	
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 96.8	p 94.4	p 100.2	p 89.2	p 89.3	
2016 Mar.	93.6	88.8	109.0	p 88.5	95.1	94.1	96.3	87.6	p 87.2	
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	98.1	94.5	103.6	90.0	p 90.0	
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	97.5	94.3	102.4	90.2	p 90.6	
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	97.5	94.4	102.2	90.4	p 90.8	
Nov.	98.3	92.9	117.9	p 93.5	97.5	94.6	101.9	90.3	p 90.5	
Dec.	98.4	92.7	118.0	p 93.3	97.4	94.5	101.9	90.0	p 90.3	
2019 Jan.	97.8	92.2	117.3	p 92.7	97.0	94.3	101.2	89.5	p 89.7	
Feb.	97.4	91.7	116.6	p 92.0	96.9	94.2	101.0	89.3	p 89.4	
Mar.	96.9	91.1	116.2	p 91.6	96.5	94.0	100.2	88.8	p 88.9	
Apr.	96.7	90.9	116.1	p 91.4	96.9	94.5	100.5	89.1	p 89.2	
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	97.0	94.5	100.7	89.4	p 89.3	
Aug.	98.1	91.9	117.6	p 92.0	96.9	94.4	100.5	89.6	p 89.6	
Sep.	97.4	91.1	116.7	p 91.2	96.6	94.6	99.5	89.3	p 89.3	
Oct.	97.4	p 90.9	116.6	p 91.0	96.5	94.4	99.4	p 89.0	p 89.0	
Nov.	96.7	p 90.2	116.0	p 90.3	p 96.4	94.5	p 99.0	p 88.7	p 88.7	
Dec.	96.7	p 90.2	116.0	p 90.3	p 96.3	p 94.5	p 98.8	p 88.7	p 88.7	

* 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			
					October 2019	November 2019	December 2019	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 77.7425	AFN 78.1000	AFN 78.7300	AFN 77.8947	
		S	USD 1 =	AFN 77.8425	AFN 78.2000	AFN 78.8300	AFN 77.9947	
	AFN	B	EUR 1 =	AFN 86.8579	AFN 86.5825	AFN 86.5694	AFN 86.6728	
		S	EUR 1 =	AFN 87.1179	AFN 86.8425	AFN 86.8294	AFN 86.9328	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 109.89	ALL 110.44	ALL 111.34	ALL 108.64
M			EUR 1 =	ALL 123.10	ALL 123.25	ALL 122.52	ALL 121.77	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 119.3708	DZD 119.4739	DZD 120.1272	DZD 119.1468	
		S	USD 1 =	DZD 119.3858	DZD 119.4889	DZD 120.1422	DZD 119.1618	
	DZD	B	EUR 1 =	DZD 133.6219	DZD 133.1895	DZD 132.1760	DZD 133.5874	
		S	EUR 1 =	DZD 133.6725	DZD 133.2301	DZD 132.2405	DZD 133.6519	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 372.022	AOA 491.619	AOA 486.286	AOA 477.356	
		S	USD 1 =	AOA 377.658	AOA 501.652	AOA 496.210	AOA 487.098	
	AOA	B	EUR 1 =	AOA 415.985	AOA 548.499	AOA 535.255	AOA 535.450	
		S	EUR 1 =	AOA 422.157	AOA 559.693	AOA 545.980	AOA 546.183	
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 2.9984	XCD 2.9522	XCD 3.0199	
		V, S	EUR 1 =	XCD 3.0416	XCD 3.0304	XCD 2.9837	XCD 3.0522	
Argentina ¹								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 48.0341	ARS 59.4700	ARS 59.7400	ARS 59.6900	
		S	USD 1 =	ARS 48.2341	ARS 59.6700	ARS 59.9400	ARS 59.8900	
	ARS	B	EUR 1 =	ARS 53.6198	ARS 66.2198	ARS 65.7737	ARS 66.8528	
		S	EUR 1 =	ARS 53.9640	ARS 66.5917	ARS 66.1438	ARS 67.2265	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 480.30	AMD 476.10	AMD 477.88	AMD 479.70	
		M	EUR 1 =	AMD 537.96	AMD 531.71	AMD 525.91	AMD 537.26	
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 198.80	AWG 195.94	AWG 199.81	
		S	EUR 100 =	AWG 201.37	AWG 200.80	AWG 197.91	AWG 201.82	

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		
					October 2019	November 2019	December 2019
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.6952	USD 0.6926	USD 0.6777	USD 0.7006
		M	AUD 1 =	EUR 0.6220	EUR 0.6203	EUR 0.6155	EUR 0.6254
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
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 1.8981	AZN 1.8718	AZN 1.9035
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 1.10982	BSD 1.09271	BSD 1.11778
		V, S	EUR 1 =	BSD 1.13349	BSD 1.12934	BSD 1.11193	BSD 1.13744
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 0.4083506	BHD 0.4028798	BHD 0.4100869
S	EUR 1 =	BHD 0.4348643	BHD 0.4336094	BHD 0.4278002	BHD 0.4354531		
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 84.4875	BDT 84.7500	BDT 84.9000	BDT 84.9000
		S	USD 1 =	BDT 84.4875	BDT 84.7500	BDT 84.9000	BDT 84.9000
		B	EUR 1 =	BDT 94.4087	BDT 94.4793	BDT 93.3730	BDT 94.8758
S	EUR 1 =	BDT 94.4389	BDT 94.5132	BDT 93.3900	BDT 94.9012		
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 2.20759	BBD 2.19206	BBD 2.23039
S	EUR 1 =	BBD 2.26834	BBD 2.24898	BBD 2.23315	BBD 2.27220		
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.0921	BYN 2.0544	BYN 2.1086	BYN 2.1036
		M	EUR 1 =	BYN 2.3430	BYN 2.2840	BYN 2.3207	BYN 2.3524

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		
					October 2019	November 2019	December 2019
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
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 2.2107	BZD 2.1788	BZD 2.2277	
	BZD	S	EUR 1 =	BZD 2.2585	BZD 2.2497	BZD 2.2172	BZD 2.2671
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 588.091	XOF 597.302	XOF 583.903
		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 1.1109	BMD 1.0938	BMD 1.1189	
	V, S	EUR 1 =	BMD 1.1243	BMD 1.1202	BMD 1.1029	BMD 1.1282	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 69.42	BTN 69.90	BTN 70.45	BTN 70.30
		S	USD 1 =	BTN 71.58	BTN 72.05	BTN 72.65	BTN 72.50
	B	EUR 1 =	BTN 77.58	BTN 77.60	BTN 77.55	BTN 78.65	
	S	EUR 1 =	BTN 79.73	BTN 79.75	BTN 79.70	BTN 80.85	
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 7.6516	BOB 7.5337	BOB 7.7065	
	V, S	EUR 1 =	BOB 7.7896	BOB 7.7632	BOB 7.6435	BOB 7.8189	
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.745661	BAM 1.756654	BAM 1.776490	BAM 1.743624
		S	USD 1 =	BAM 1.754412	BAM 1.765460	BAM 1.785394	BAM 1.752364
	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 0.0911	USD 0.0922	USD 0.0945
		S	BWP 1 =	USD 0.0930	USD 0.0909	USD 0.0920	USD 0.0943
	B	BWP 1 =	EUR 0.0832	EUR 0.0817	EUR 0.0839	EUR 0.0842	
	S	BWP 1 =	EUR 0.0830	EUR 0.0815	EUR 0.0837	EUR 0.0840	

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		
					October 2019	November 2019	December 2019
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.9450	BRL 4.0035	BRL 4.2234	BRL 4.0301
		S	USD 1 =	BRL 3.9456	BRL 4.0041	BRL 4.2240	BRL 4.0307
	BRL	B	EUR 1 =	BRL 4.4095	BRL 4.4647	BRL 4.6567	BRL 4.5290
		S	EUR 1 =	BRL 4.4114	BRL 4.4670	BRL 4.6591	BRL 4.5305
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3544	BND 1.3519	BND 1.3565	BND 1.3426
		S	USD 1 =	BND 1.3727	BND 1.3704	BND 1.3753	BND 1.3607
	BND	B	EUR 1 =	BND 1.4998	BND 1.4932	BND 1.4781	BND 1.4867
		S	EUR 1 =	BND 1.5546	BND 1.5482	BND 1.5333	BND 1.5408
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.74707	BGN 1.75348	BGN 1.78094	BGN 1.74099
		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 588.091	XOF 597.302	XOF 583.903
		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 1,850.9040	BIF 1,856.6658	BIF 1,862.7840
		S	USD 1 =	BIF 1,866.9901	BIF 1,888.2960	BIF 1,894.1742	BIF 1,900.4160
	BIF	B	EUR 1 =	BIF 2,048.8141	BIF 2,066.1642	BIF 2,044.3190	BIF 2,087.9945
		S	EUR 1 =	BIF 2,090.2042	BIF 2,107.9048	BIF 2,085.6184	BIF 2,130.1763
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos CVE	B	USD 1 =	CVE 98.564	CVE 99.183	CVE 100.094	CVE 98.447
		S	USD 1 =	CVE 98.766	CVE 99.385	CVE 100.296	CVE 98.649
	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 4,048	KHR 4,065	KHR 4,075
		B	EUR 1 =	KHR 4,538	KHR 4,516	KHR 4,476	KHR 4,565
	S	EUR 1 =	KHR 4,583	KHR 4,561	KHR 4,521	KHR 4,610	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 588.091	XAF 597.302	XAF 583.903
		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 1.3160	CAD 1.3289	CAD 1.2988
		M	EUR 1 =	CAD 1.4807	CAD 1.4671	CAD 1.4633	CAD 1.4583

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		
					October 2019	November 2019	December 2019
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 0.9295	KYD 0.9152	KYD 0.9362
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 588.091	XAF 597.302	XAF 583.903
		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 588.091	XAF 597.302	XAF 583.903
		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 726.34	CLP 828.25	CLP 744.62
		M	EUR 1 =	CLP 787.30	CLP 806.87	CLP 911.77	CLP 832.35
China							
Beijing 720	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.8999	CNY 7.0533	CNY 7.0298	CNY 6.9762
		M	EUR 1 =	CNY 7.7181	CNY 7.8676	CNY 7.7406	CNY 7.8155
		M	HKD 1 =	CNY 0.87996	CNY 0.90001	CNY 0.89802	CNY 0.89578
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.830	TWD 30.390	TWD 30.450	TWD 29.930
		S	USD 1 =	TWD 30.930	TWD 30.490	TWD 30.550	TWD 30.030
		B	EUR 1 =	TWD 34.40	TWD 33.79	TWD 33.39	TWD 33.39
S	EUR 1 =	TWD 34.80	TWD 34.19	TWD 33.79	TWD 33.79		
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,285.734	COP 3,389.94	COP 3,502.92	COP 3,277.14
		V, M	EUR 1 =	COP 3,675.671	COP 3,781.139	COP 3,846.907	COP 3,681.539
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 439.45310	KMF 441.06845	KMF 447.97646	KMF 437.92750
		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 588.091	XAF 597.302	XAF 583.903
		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		
					October 2019	November 2019	December 2019
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,615.5594	CDF 1,621.7115	CDF 1,627.4390	CDF 1,639.4878
		S	USD 1 =	CDF 1,681.6740	CDF 1,687.9038	CDF 1,693.8651	CDF 1,706.4056
	CDF	B	EUR 1 =	CDF 1,811.0131	CDF 1,799.3796	CDF 1,790.7218	CDF 1,828.5341
		S	EUR 1 =	CDF 1,884.9217	CDF 1,872.8236	CDF 1,863.8125	CDF 1,903.1681
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6042	EUR 0.5901	EUR 0.5986	EUR 0.6160
		S	NZD 1 =	EUR 0.5779	EUR 0.5642	EUR 0.5723	EUR 0.5892
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 582.03	CRC 579.86	CRC 558.90	CRC 570.09
		S	USD 1 =	CRC 588.40	CRC 585.39	CRC 565.89	CRC 576.49
	CRC	V, B	EUR 1 =	CRC 651.7240	CRC 646.7758	CRC 613.7840	CRC 640.4391
		V, S	EUR 1 =	CRC 658.8577	CRC 652.9440	CRC 621.4604	CRC 647.6289
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 588.091	XOF 597.302	XOF 583.903
		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 6.681192	HRK 6.739078	HRK 6.629961
		S	USD 1 =	HRK 6.641180	HRK 6.721400	HRK 6.779634	HRK 6.669861
	HRK	B	EUR 1 =	HRK 7.394331	HRK 7.430153	HRK 7.413660	HRK 7.420252
		S	EUR 1 =	HRK 7.438830	HRK 7.474869	HRK 7.458276	HRK 7.464908
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 1.09984	CUC 1.08954	CUC 1.10597
		S	EUR 1 =	CUC 1.12978	CUC 1.12206	CUC 1.11156	CUC 1.12833
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 198.80	ANG 195.95	ANG 199.82
		S	EUR 100 =	ANG 203.42	ANG 202.81	ANG 199.90	ANG 203.84
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 22.934	CZK 22.871	CZK 23.233	CZK 22.621
		M	EUR 1 =	CZK 25.659	CZK 25.510	CZK 25.515	CZK 25.410

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		
					October 2019	November 2019	December 2019
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 667.03	DKK 669.79	DKK 680.32	DKK 667.59
		M	EUR 100 =	DKK 746.59	DKK 747.08	DKK 747.13	DKK 746.97
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 197.24 V	DJF 193.13	DJF 196.56
		S	EUR 1 =	DJF 203.98	DJF 200.21 V	DJF 200.66	DJF 204.24
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 2.9984	XCD 2.9522	XCD 3.0199
		V, S	EUR 1 =	XCD 3.0416	XCD 3.0304	XCD 2.9837	XCD 3.0522
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 50.9676	DOP 52.3106	DOP 52.4150	DOP 52.5061
		S	USD 1 =	DOP 51.4344	DOP 52.8233	DOP 52.8851	DOP 52.9775
		B	EUR 1 =	DOP 56.4612	DOP 57.3322	DOP 57.1663	DOP 57.6462
		S	EUR 1 =	DOP 59.8316	DOP 60.7511	DOP 60.5778	DOP 61.1969
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 16.7300	EGP 16.09	EGP 16.05	EGP 15.99
		S	USD 1 =	EGP 16.8300	EGP 16.19	EGP 16.15	EGP 16.09
		B	EUR 1 =	EGP 18.7034	EGP 17.9323	EGP 17.6550	EGP 17.9072
		S	EUR 1 =	EGP 18.8934	EGP 18.0907	EGP 17.7941	EGP 18.0836
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 9.7598	SVC 9.6093	SVC 9.8298
Equatorial Guinea 1							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 588.091	XAF 597.302	XAF 583.903
		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 16.6455	ERN 16.5045	ERN 16.7880
		S	EUR 1 =	ERN 17.3972	ERN 17.2817	ERN 17.1407	ERN 17.4242
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234

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		
					October 2019	November 2019	December 2019
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 29.2198	ETB 29.4303	ETB 30.6158	ETB 31.8041
		S	USD 1 =	ETB 29.8042	ETB 30.0189	ETB 31.2281	ETB 32.4402
	ETB	B	EUR 1 =	ETB 32.6752	ETB 32.7353	ETB 33.7141	ETB 35.5920
		S	EUR 1 =	ETB 33.3287	ETB 33.3900	ETB 34.3884	ETB 36.3038
Eswatini ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 14.4713	SZL 15.0199	SZL 14.7476	SZL 14.0949
		S	USD 1 =	SZL 14.4789	SZL 15.0265	SZL 14.7544	SZL 14.1042
	SZL	B	EUR 1 =	SZL 16.19020	SZL 16.7641	SZL 16.2310	SZL 15.7950
		S	EUR 1 =	SZL 16.20051	SZL 16.7736	SZL 16.2431	SZL 15.8092
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.78407	FKP 0.77222	FKP 0.77604	FKP 0.75734
		V	EUR 1 =	FKP 0.87777	FKP 0.86133	FKP 0.85225	FKP 0.85080
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4715	USD 0.4671	USD 0.4649	USD 0.4748
		S	FJD 1 =	USD 0.4545	USD 0.4501	USD 0.4479	USD 0.4578
	FJD	B	FJD 1 =	EUR 0.4194	EUR 0.4169	EUR 0.4202	EUR 0.4219
		S	FJD 1 =	EUR 0.4074	EUR 0.4049	EUR 0.4082	EUR 0.4099
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Gabon ¹							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 585.937	XAF 588.091	XAF 597.302	XAF 583.903
		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 50.96	GMD 50.98	GMD 51.22
		M	EUR 1 =	GMD 56.49	GMD 56.89	GMD 56.73	GMD 57.08
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.8241	GEL 2.9632	GEL 2.9744	GEL 2.8677
		M	EUR 1 =	GEL 3.1620	GEL 3.2963	GEL 3.2757	GEL 3.2095

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		
					October 2019	November 2019	December 2019
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas GHS	B S	USD 1 = USD 1 =	GHS 5.2480 GHS 5.2532	GHS 5.3345 GHS 5.3399	GHS 5.5226 GHS 5.5282	GHS 5.5309 GHS 5.5365
		B S	EUR 1 = EUR 1 =	GHS 5.8682 GHS 5.8727	GHS 5.9426 GHS 5.9464	GHS 6.0758 GHS 6.0812	GHS 6.2096 GHS 6.2131
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.78407 GIP 0.87777	GIP 0.77222 GIP 0.86133	GIP 0.77604 GIP 0.85225	GIP 0.75734 GIP 0.85080
Greece							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Grenada							
St George's 473	East Caribbean dollar = 100 cents XCD	³ B ³ S	USD 1 = USD 1 =	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169
		V, B V, S	EUR 1 = EUR 1 =	XCD 3.0094 XCD 3.0416	XCD 2.9984 XCD 3.0304	XCD 2.9522 XCD 2.9837	XCD 3.0199 XCD 3.0522
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.70380 GTQ 8.62411	GTQ 7.71001 GTQ 8.59975	GTQ 7.70254 GTQ 8.45893	GTQ 7.69884 GTQ 8.64888
Guinea							
Conakry 260	Guinean franc GNF	M M	USD 1 = EUR 1 =	GNF 9,192.6286 GNF 10,296.1706	GNF 9,260.1465 ⁴ GNF 10,306.5474 ⁴	GNF 9,373.6610 GNF 10,319.4628	GNF 9,400.8249 GNF 10,518.5782
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V 5	USD 1 = EUR 1 =	XOF 585.937 XOF 655.957	XOF 588.091 XOF 655.957	XOF 597.302 XOF 655.957	XOF 583.903 XOF 655.957
Guyana							
Georgetown 488	Guyana dollar = 100 cents GYD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GYD 207.98 GYD 210.45 GYD 232.73 GYD 235.71	GYD 207.98 GYD 210.45 GYD 232.02 GYD 234.99	GYD 207.98 GYD 210.45 GYD 228.65 GYD 231.58	GYD 207.98 GYD 210.45 GYD 233.31 GYD 236.30

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 Exchange rate as of 23 October 2019. ⁵ Value against the euro.

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2019	Rate at end of month		
					October 2019	November 2019	December 2019
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 89.3946	HTG 91.7459	HTG 91.7155	HTG 91.9842
		V, M	EUR 1 =	HTG 100.0195	HTG 102.3334	HTG 100.7220	HTG 103.3351
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 24.5217	HNL 24.6377	HNL 24.6503	HNL 24.6350
		S	USD 1 =	HNL 24.6934	HNL 24.8102	HNL 24.8229	HNL 24.8074
		V, B	EUR 1 =	HNL 27.4496	HNL 27.4809	HNL 27.0710	HNL 27.6750
		V, S	EUR 1 =	HNL 27.6418	HNL 27.6733	HNL 27.2605	HNL 27.8686
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.80686	HKD 7.79920	HKD 7.78880	HKD 7.74870
		S	USD 1 =	HKD 7.86088	HKD 7.87530	HKD 7.86490	HKD 7.82480
		B	EUR 1 =	HKD 8.70052	HKD 8.65270	HKD 8.52270	HKD 8.64990
		S	EUR 1 =	HKD 8.82890	HKD 8.83980	HKD 8.70970	HKD 8.83700
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 290.65	HUF 295.43	HUF 304.13	HUF 294.74
		M	EUR 1 =	HUF 326.03	HUF 329.82	HUF 334.70	HUF 330.52
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 122.145	ISK 123.39	ISK 120.67	ISK 120.81
		S	USD 1 =	ISK 122.728	ISK 123.97	ISK 121.25	ISK 121.39
		B	EUR 1 =	ISK 136.48	ISK 137.71	ISK 132.73	ISK 135.45
		S	EUR 1 =	ISK 137.24	ISK 138.49	ISK 133.47	ISK 136.21
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 70.4119	INR 70.8095	INR 71.7255	INR 71.2740
		M	EUR 1 =	INR 78.8192	INR 79.0338	INR 78.9750	INR 79.8830
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,070.79	IDR 13,937.96	IDR 14,031.49	IDR 13,831.50
		S	USD 1 =	IDR 14,212.13	IDR 14,078.04	IDR 14,172.51	IDR 13,970.51
		B	EUR 1 =	IDR 15,736.06	IDR 15,558.94	IDR 15,450.07	IDR 15,509.26
		S	EUR 1 =	IDR 15,897.25	IDR 15,719.54	IDR 15,606.77	IDR 15,667.93
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 46,904	IRR 46,275	IRR 47,055
		³ M	USD 1 =	IRR 127,350	IRR 113,700	IRR 125,500	IRR 133,500
		³ M	EUR 1 =	IRR 142,808	IRR 126,950	IRR 138,250	IRR 150,000

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		
					October 2019	November 2019	December 2019
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 1,318.403	IQD 1,301.027	IQD 1,325.022
			EUR 1 =	IQD 1,331.759	IQD 1,327.326	IQD 1,309.833	IQD 1,333.990
		3 S	USD 1 =	IQD 1,195.91	IQD 1,200.376	IQD 1,198.418	IQD 1,204.478
V, S	EUR 1 =	IQD 1,338.75	IQD 1,338.90	IQD 1,316.10	IQD 1,353.11		
Ireland							
Dublin 007	Euro = 100 cent EUR		M EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Israel							
Jerusalem 624	New shekel = 100 agorot ILS		M USD 1 =	ILS 3.5643	ILS 3.5290	ILS 3.4760	ILS 3.4560
			M EUR 1 =	ILS 3.9816	ILS 3.9365	ILS 3.8241	ILS 3.8782
Italy							
Rome 005	Euro = 100 cent EUR		M EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Jamaica							
Kingston 464	Jamaican dollar = 100 cents JMD	B	USD 1 =	JMD 132.5023	JMD 137.6765	JMD 134.4818	JMD 131.5887
			USD 1 =	JMD 134.1077	JMD 139.6325	JMD 136.2891	JMD 133.4762
		B	EUR 1 =	JMD 143.87390	JMD 145.6208	JMD 143.8920	JMD 147.8815
			EUR 1 =	JMD 150.12124	JMD 154.8996	JMD 150.8106	JMD 145.9031
Japan							
Tokyo 732	Japanese yen = 100 sen JPY	B	USD 1 =	JPY 107.99	JPY 107.88	JPY 108.56	JPY 108.56
			USD 1 =	JPY 109.99	JPY 109.88	JPY 110.56	JPY 110.56
		B	EUR 1 =	JPY 120.65	JPY 119.96	JPY 119.09	JPY 121.04
			EUR 1 =	JPY 123.65	JPY 122.96	JPY 122.09	JPY 124.04
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 0.78907	JOD 0.77880	JOD 0.79289
			EUR 1 =	JOD 0.79615	JOD 0.79335	JOD 0.78228	JOD 0.79754
Kazakhstan							
Nur-Sultan 079	Tenge = 100 tiyn KZT		M USD 1 =	KZT 382.96	KZT 388.54	KZT 386.35	KZT 381.18
			M EUR 1 =	KZT 428.91	KZT 431.67	KZT 425.14	KZT 426.85

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		
					October 2019	November 2019	December 2019
Kenya ¹							
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 102.0469	KES 103.1088	KES 102.7065	KES 101.2365
		S	USD 1 =	KES 102.2455	KES 103.3029	KES 102.9065	KES 101.4365
	KES	B	EUR 1 =	KES 114.0250	KES 114.5841	KES 113.0506	KES 113.2441
		S	EUR 1 =	KES 114.2775	KES 114.8335	KES 113.3047	KES 113.4918
Korea, Democratic People's Republic of ²							
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 107.60	KPW 107.74	KPW 108.10	KPW 107.98
		S	USD 1 =	KPW 108.67	KPW 108.82	KPW 109.18	KPW 109.06
	KPW	B	EUR 1 =	KPW 120.38	KPW 120.13	KPW 119.72	KPW 119.75
		S	EUR 1 =	KPW 121.58	KPW 121.33	KPW 120.92	KPW 120.95
Korea, Republic of							
Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,155.48	KRW 1,157.10	KRW 1,168.50	KRW 1,144.70
		S	USD 1 =	KRW 1,178.07	KRW 1,179.90	KRW 1,191.50	KRW 1,167.30
	KRW	B	EUR 1 =	KRW 1,291.45	KRW 1,291.47	KRW 1,285.37	KRW 1,283.84
		S	EUR 1 =	KRW 1,317.53	KRW 1,317.55	KRW 1,311.33	KRW 1,309.76
Kuwait							
Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30219	KWD 0.30195	KWD 0.30245	KWD 0.30050
		S	USD 1 =	KWD 0.30600	KWD 0.30555	KWD 0.30605	KWD 0.30660
	KWD	B	EUR 1 =	KWD 0.338360	KWD 0.336750	KWD 0.332892	KWD 0.337732
		S	EUR 1 =	KWD 0.342626	KWD 0.340765	KWD 0.336854	KWD 0.344588
Kyrgyzstan							
Bishkek 083	Kyrgyz som = 100 tyiyn KGS	M	USD 1 =	KGS 69.7811	KGS 69.8068	KGS 69.8500	KGS 69.6439
		M	EUR 1 =	KGS 78.1604	KGS 77.6182	KGS 76.8769	KGS 77.9803
Lao People's Democratic Republic							
Vientiane 684	Kip	B	USD 1 =	LAK 8,701	LAK 8,833	LAK 8,859	LAK 8,868
		S	USD 1 =	LAK 8,715	LAK 8,848	LAK 8,874	LAK 8,883
	LAK	B	EUR 1 =	LAK 9,722	LAK 9,854	LAK 9,745	LAK 9,915
		S	EUR 1 =	LAK 9,767	LAK 9,901	LAK 9,791	LAK 9,962
Latvia							
Riga 054	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
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 1,681.01	LBP 1,659.15	LBP 1,686.89
Lesotho ¹							
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 14.4518	LSL 15.1511	LSL 14.7189	LSL 14.0657
		M	EUR 1 =	LSL 16.1709	LSL 16.8980	LSL 16.2055	LSL 15.7395

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		
					October 2019	November 2019	December 2019
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 187.22	LRD 210.8112	LRD 190.6395	LRD 187.0855
		S	USD 1 =	LRD 188.53	LRD 212.1813	LRD 192.8880	LRD 188.7680
	LRD	V, B	EUR 1 =	LRD 209.3707	LRD 235.1388	LRD 209.3603	LRD 210.1719
		V, S	EUR 1 =	LRD 210.8311	LRD 236.6670	LRD 211.8296	LRD 212.0620
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3950	LYD 1.3977	LYD 1.4039	LYD 1.3928
		S	USD 1 =	LYD 1.4020	LYD 1.4047	LYD 1.4110	LYD 1.3998
	LYD	B	EUR 1 =	LYD 1.5614	LYD 1.5598	LYD 1.5456	LYD 1.5609
		S	EUR 1 =	LYD 1.5692	LYD 1.5676	LYD 1.5534	LYD 1.5688
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0632	MOP 8.0669	MOP 8.0561	MOP 8.0145
		S	USD 1 =	MOP 8.0857	MOP 8.0894	MOP 8.0786	MOP 8.0370
	MOP	B	EUR 1 =	MOP 9.0205	MOP 8.9996	MOP 8.8606	MOP 8.9841
		S	EUR 1 =	MOP 9.0590	MOP 9.0381	MOP 8.8991	MOP 9.0226
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,618.91	MGA 3,665.51	MGA 3,621.37	MGA 3,627.27
		M	EUR 1 =	MGA 4,047.48	MGA 4,080.14	MGA 3,976.24	MGA 4,041.90
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 730.0152	MWK 727.4662	MWK 728.9551	MWK 729.1112
		S	USD 1 =	MWK 748.8212	MWK 742.0140	MWK 743.6815	MWK 743.6920
	MWK	B	EUR 1 =	MWK 817.1855	MWK 812.0705	MWK 802.5796	MWK 816.8962
		S	EUR 1 =	MWK 838.2581	MWK 828.3103	MWK 818.7933	MWK 833.2325
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.0795	MYR 4.1201	MYR 4.1137	MYR 4.0437
		S	USD 1 =	MYR 4.2010	MYR 4.2379	MYR 4.2313	MYR 4.1593
	MYR	B	EUR 1 =	MYR 4.5493	MYR 4.5820	MYR 4.5152	MYR 4.5159
		S	EUR 1 =	MYR 4.7219	MYR 4.7434	MYR 4.6742	MYR 4.6749

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		
					October 2019	November 2019	December 2019
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.38	MVR 15.40	MVR 15.38	MVR 15.38
		V, M	EUR 1 =	MVR 17.21739	MVR 17.17716	MVR 16.89032	MVR 17.27789
Mali ¹							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 588.091	XOF 597.302	XOF 583.903
		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 1.1154	USD 1.0982	USD 1.1234
Mauritania							
Nouakchott 228	Ouguiya MRU	B	USD 1 =	MRU 36.66	MRU 36.97	MRU 37.11	MRU 37.23
		S	USD 1 =	MRU 37.02	MRU 37.34	MRU 37.48	MRU 37.60
		B	EUR 1 =	MRU 41.05	MRU 41.27	MRU 40.83	MRU 41.76
		S	EUR 1 =	MRU 41.46	MRU 41.68	MRU 41.24	MRU 42.17
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 35.1821	MUR 35.8129	MUR 36.1890	MUR 35.9289
		S	USD 1 =	MUR 36.0814	MUR 36.7121	MUR 37.0886	MUR 36.8279
		B	EUR 1 =	MUR 39.2334	MUR 39.8735	MUR 39.7168	MUR 40.1279
		S	EUR 1 =	MUR 40.3539	MUR 41.0079	MUR 40.8417	MUR 41.2681
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 19.2133	MXN 19.2295	MXN 19.5480	MXN 18.8810
		S	USD 1 =	MXN 19.2189	MXN 19.2350	MXN 19.5530	MXN 18.8860
		V, B	EUR 1 =	MXN 21.6387	MXN 21.4486	MXN 21.4676	MXN 21.2109
		V, S	EUR 1 =	MXN 21.6451	MXN 21.4547	MXN 21.4731	MXN 21.2165
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 17.5804	MDL 17.5329	MDL 17.4446	MDL 17.2093
		M	EUR 1 =	MDL 19.6863	MDL 19.4851	MDL 19.1952	MDL 19.2605
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,666.78	MNT 2,701.17	MNT 2,715.22	MNT 2,734.33
		M	EUR 1 =	MNT 2,985.10	MNT 3,014.51	MNT 2,989.86	MNT 3,063.54
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.6194	MAD 9.6176	MAD 9.6725	MAD 9.5932
		M	EUR 1 =	MAD 10.7721	MAD 10.7342	MAD 10.6426	MAD 10.7645

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		
					October 2019	November 2019	December 2019
Mozambique							
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 61.93	MZN 62.12	MZN 63.46	MZN 60.86
		S	USD 1 =	MZN 63.14	MZN 63.36	MZN 64.70	MZN 62.07
	MZN	B	EUR 1 =	MZN 69.27	MZN 69.04	MZN 69.80	MZN 68.22
		S	EUR 1 =	MZN 70.63	MZN 70.42	MZN 71.17	MZN 69.57
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,515.79	MMK 1,525.50	MMK 1,508.70	MMK 1,479.80
		M	EUR 1 =	MMK 1,696.96	MMK 1,704.40	MMK 1,660.90	MMK 1,656.90
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 14.4649	NAD 14.9794	NAD 14.7344	NAD 13.9999
		M	EUR 1 =	NAD 16.1826	NAD 16.7211	NAD 16.2236	NAD 15.6842
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 112.39	NPR 113.12	NPR 114.49	NPR 113.81
		S	USD 1 =	NPR 112.99	NPR 113.72	NPR 115.09	NPR 114.41
	NPR	B	EUR 1 =	NPR 125.65	NPR 125.68	NPR 125.96	NPR 127.38
		S	EUR 1 =	NPR 126.32	NPR 126.35	NPR 126.62	NPR 128.05
Netherlands							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
New Caledonia ¹							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.38	USD 9.35	USD 9.20	USD 9.41
		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 0.6568	USD 0.6878
		S	NZD 1 =	USD 0.6499	USD 0.6329	USD 0.6329	USD 0.6631
	NZD	B	NZD 1 =	EUR 0.6042	EUR 0.5901	EUR 0.5986	EUR 0.6160
		S	NZD 1 =	EUR 0.5779	EUR 0.5642	EUR 0.5723	EUR 0.5892
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 33.1826	NIO 33.6713	NIO 33.7532	NIO 33.8381
		V, M	EUR 1 =	NIO 37.14094	NIO 37.55697	NIO 37.06776	NIO 38.01372

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		
					October 2019	November 2019	December 2019
Niger ¹							
Niamey 240	CFA franc	V	USD 1 =	XOF 585.937	XOF 588.091	XOF 597.302	XOF 583.903
	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 341.4960	NGN 336.6306	NGN 343.6992
S		EUR 1 =	NGN 343.7427	NGN 342.6120	NGN 337.7307	NGN 344.8224	
North Macedonia							
Skopje 096	North Macedonia denar = 100 deni	B	USD 1 =	MKD 54.6710	MKD 55.1131	MKD 55.7686	MKD 54.6770
		S	USD 1 =	MKD 55.2205	MKD 55.6671	MKD 56.3290	MKD 55.2266
	MKD	B	EUR 1 =	MKD 61.2040	MKD 61.2087	MKD 61.2450	MKD 61.1782
S		EUR 1 =	MKD 61.8191	MKD 61.8239	MKD 61.8606	MKD 61.7930	
Norway							
Oslo 028	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.7713	NOK 9.1278	NOK 9.1465	NOK 8.7816
		S	USD 1 =	NOK 8.8400	NOK 9.1998	NOK 9.2185	NOK 8.8536
	NOK	B	EUR 1 =	NOK 9.8140	NOK 10.1887	NOK 10.0720	NOK 9.8412
S		EUR 1 =	NOK 9.8901	NOK 10.2677	NOK 10.1510	NOK 9.9202	
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 0.4287360	OMR 0.4229760	OMR 0.4301184
S		EUR 1 =	OMR 0.4310973	OMR 0.4299295	OMR 0.4241545	OMR 0.4313155	
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 150.06	PKR 155.70	PKR 155.20	PKR 154.85
		S	USD 1 =	PKR 150.56	PKR 156.20	PKR 155.70	PKR 155.35
	PKR	B	EUR 1 =	PKR 167.98	PKR 173.58	PKR 170.89	PKR 173.48
S		EUR 1 =	PKR 168.56	PKR 174.15	PKR 171.45	PKR 174.05	
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 1.1154	PAB 1.0982	PAB 1.1234
Papua New Guinea							
Port Moresby 801	Kina = 100 toea	B	PGK 1 =	USD 0.3026	USD 0.3015	USD 0.3015	USD 0.3010
		S	PGK 1 =	USD 0.2876	USD 0.2865	USD 0.2865	USD 0.2860
	PGK	B	PGK 1 =	EUR 0.2669	EUR 0.2670	EUR 0.2705	EUR 0.2625
S		PGK 1 =	EUR 0.2519	EUR 0.2520	EUR 0.2555	EUR 0.2475	

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		
					October 2019	November 2019	December 2019
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 6,237.82	PYG 6,444.89	PYG 6,449.26	PYG 6,442.33
		S	USD 1 =	PYG 6,252.06	PYG 6,447.63	PYG 6,460.87	PYG 6,463.95
	PYG	V, B	EUR 1 =	PYG 6,978.71	PYG 7,188.63	PYG 7,082.58	PYG 7,208.32
		V, S	EUR 1 =	PYG 6,994.63	PYG 7,191.69	PYG 7,095.33	PYG 7,232.51
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.333	PEN 3.345	PEN 3.394	PEN 3.311
		S	USD 1 =	PEN 3.337	PEN 3.349	PEN 3.399	PEN 3.317
	PEN	B	EUR 1 =	PEN 3.690	PEN 3.623	PEN 3.721	PEN 3.652
		S	EUR 1 =	PEN 3.840	PEN 3.802	PEN 3.791	PEN 3.877
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 51.41	PHP 50.50	PHP 50.40	PHP 50.45
		S	USD 1 =	PHP 51.91	PHP 51.00	PHP 50.90	PHP 50.95
	PHP	B	EUR 1 =	PHP 55.8464	PHP 54.8569	PHP 53.9984	PHP 54.4423
		S	EUR 1 =	PHP 59.1191	PHP 58.0862	PHP 57.1831	PHP 57.6521
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.8399	PLN 3.8174	PLN 3.9288	PLN 3.7977
		M	EUR 1 =	PLN 4.3018	PLN 4.2617	PLN 4.3236	PLN 4.2585
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
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 4.0601	QAR 3.9975	QAR 4.0892
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.2393	RON 4.2614	RON 4.3425	RON 4.2608
		M	EUR 1 =	RON 4.7509	RON 4.7576	RON 4.7781	RON 4.7793
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 64.6375	RUB 63.8734	RUB 64.0817	RUB 61.9057
		M	EUR 1 =	RUB 72.0631	RUB 71.0081	RUB 70.5475	RUB 69.3406

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		
					October 2019	November 2019	December 2019
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 891.345390	RWF 904.986714	RWF 909.288767	RWF 913.384515
		S	USD 1 =	RWF 909.170498	RWF 923.084620	RWF 927.472705	RWF 931.650361
	RWF	B	EUR 1 =	RWF 998.412161	RWF 1,010.462915	RWF 1,001.172397	RWF 1,022.862783
		S	EUR 1 =	RWF 1,018.378388	RWF 1,030.670133	RWF 1,021.193822	RWF 1,043.317973
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.78407	SHP 0.77222	SHP 0.77604	SHP 0.75734
		V	EUR 1 =	SHP 0.87777	SHP 0.86133	SHP 0.85225	SHP 0.85080
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 2.9984	XCD 2.9522	XCD 3.0199
		V, S	EUR 1 =	XCD 3.0416	XCD 3.0304	XCD 2.9837	XCD 3.0522
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 2.9984	XCD 2.9522	XCD 3.0199
		V, S	EUR 1 =	XCD 3.0416	XCD 3.0304	XCD 2.9837	XCD 3.0522
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 2.9984	XCD 2.9522	XCD 3.0199
		V, S	EUR 1 =	XCD 3.0416	XCD 3.0304	XCD 2.9837	XCD 3.0522
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.37749	USD 0.37221	USD 0.37223	USD 0.37979
		M	WST 1 =	EUR 0.33756	EUR 0.33498	EUR 0.33816	EUR 0.33989
Sao Tome and Principe							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 21.9193	STN 22.0601	STN 22.2626	STN 21.8965
		S	USD 1 =	STN 22.2481	STN 22.3911	STN 22.5965	STN 22.2250
	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 4.1711	SAR 4.1274	SAR 4.2013

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		
					October 2019	November 2019	December 2019
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 585.937	XOF 588.091	XOF 597.302	XOF 583.903
	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 104.9750	RSD 106.4513	RSD 104.6038
		S	USD 1 =	RSD 105.5220	RSD 105.6068	RSD 107.0919	RSD 105.2334
	RSD	B	EUR 1 =	RSD 117.4979	RSD 117.1731	RSD 117.2348	RSD 117.2400
		S	EUR 1 =	RSD 118.2050	RSD 117.8783	RSD 117.9404	RSD 117.9456
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.8783	SCR 14.0254	SCR 13.8583	SCR 13.9938
		S	USD 1 =	SCR 14.1605	SCR 14.1844	SCR 14.1187	SCR 14.1513
	SCR	B	EUR 1 =	SCR 15.5377	SCR 15.1960	SCR 15.4632	SCR 15.5040
		S	EUR 1 =	SCR 15.8662	SCR 15.8719	SCR 15.6641	SCR 15.9646
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 8,966.53	SLL 9,460.87	SLL 9,593.33	SLL 9,619.54
		S	USD 1 =	SLL 9,147.67	SLL 9,651.99	SLL 9,787.14	SLL 9,813.88
	SLL	B	EUR 1 =	SLL 10,031.56	SLL 10,563.88	SLL 10,560.68	SLL 10,752.51
		S	EUR 1 =	SLL 10,231.12	SLL 10,773.46	SLL 10,772.95	SLL 10,967.37
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3632	SGD 1.3605	SGD 1.3660	SGD 1.3472
		M	EUR 1 =	SGD 1.5255	SGD 1.5195	SGD 1.5040	SGD 1.5094
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 198.80	ANG 195.95	ANG 199.82
		S	EUR 100 =	ANG 203.42	ANG 202.81	ANG 199.90	ANG 203.84
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1223	USD 0.1211	USD 0.1213	USD 0.1220
		M	SBD 1 =	EUR 0.10934	EUR 0.10890	EUR 0.11020	EUR 0.10890

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		
					October 2019	November 2019	December 2019
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 14.9690	ZAR 14.4845	ZAR 13.8315
		S	USD 1 =	ZAR 14.5788	ZAR 15.2865	ZAR 14.8020	ZAR 14.1490
	ZAR	B	EUR 1 =	ZAR 15.9161	ZAR 16.6568	ZAR 15.8866	ZAR 15.5135
		S	EUR 1 =	ZAR 16.3500	ZAR 17.0908	ZAR 16.3189	ZAR 15.9466
South Sudan							
Juba 225	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 158.2581	SSP 159.9019	SSP 160.0031	SSP 160.4151
		M	EUR 1 =	SSP 176.9669	SSP 177.7711	SSP 176.3877	SSP 179.5253
SSP							
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1195	USD 1.1154	USD 1.0982	USD 1.1234
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 176.7092	LKR 179.6051	LKR 178.7462	LKR 179.5443
		S	USD 1 =	LKR 180.4863	LKR 183.3179	LKR 182.4131	LKR 183.2142
	LKR	B	EUR 1 =	LKR 196.6569	LKR 199.0409	LKR 195.5200	LKR 199.7985
		S	EUR 1 =	LKR 203.5266	LKR 206.3151	LKR 202.2370	LKR 206.6089
Sudan							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 45.6250	SDG 45.0000	SDG 45.0000	SDG 45.0000
		S	USD 1 =	SDG 45.8531	SDG 45.2250	SDG 45.2250	SDG 45.2250
	SDG	B	EUR 1 =	SDG 51.0877	SDG 50.2425	SDG 49.5324	SDG 50.4095
		S	EUR 1 =	SDG 51.3431	SDG 50.4937	SDG 49.7801	SDG 50.6615
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 8.214	SRD 8.139	SRD 8.275
		S	EUR 1 =	SRD 8.399	SRD 8.352	SRD 8.276	SRD 8.414
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 9.4073	SEK 9.5769	SEK 9.4981	SEK 9.2646
		S	USD 1 =	SEK 9.5123	SEK 9.6819	SEK 9.6031	SEK 9.3696
	SEK	B	EUR 1 =	SEK 10.5298	SEK 10.6931	SEK 10.4562	SEK 10.3761
		S	EUR 1 =	SEK 10.6448	SEK 10.8081	SEK 10.5712	SEK 10.4911

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		
					October 2019	November 2019	December 2019
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9937	CHF 0.9869	CHF 0.9997	CHF 0.9683
		B	EUR 1 =	CHF 1.1110	CHF 1.1019	CHF 1.1001	CHF 1.0858
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 485.35	SYP 479.07	SYP 487.31
		S	EUR 1 =	SYP 490.98	SYP 488.76	SYP 482.44	SYP 490.73
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 9.5330	TJS 9.6960	TJS 9.6929	TJS 9.6872
		M	EUR 1 =	TJS 10.6743	TJS 10.7693	TJS 10.6622	TJS 10.8448
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 2,277.4059	TZS 2,276.9307	TZS 2,276.5446
		S	USD 1 =	TZS 2,299.9325	TZS 2,300.1800	TZS 2,299.7000	TZS 2,299.3100
		B	EUR 1 =	TZS 2,545.4570	TZS 2,529.9703	TZS 2,505.5345	TZS 2,546.7704
		S	EUR 1 =	TZS 2,571.5823	TZS 2,555.5000	TZS 2,530.8199	TZS 2,573.1578
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 30.8348	THB 30.0093	THB 30.0456	THB 29.9767
		S	USD 1 =	THB 31.1759	THB 30.3564	THB 30.4071	THB 30.3313
		B	EUR 1 =	THB 34.2893	THB 33.3282	THB 32.9090	THB 33.3775
		S	EUR 1 =	THB 34.9954	THB 34.0302	THB 33.6333	THB 34.0846
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 585.937	XOF 588.091	XOF 597.302	XOF 583.903
		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 0.4318	USD 0.4312	USD 0.4378
		M	TOP 1 =	EUR 0.3896	EUR 0.3864	EUR 0.3906	EUR 0.3906
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7302	TTD 6.7363	TTD 6.7460	TTD 6.7255
		S	USD 1 =	TTD 6.7710	TTD 6.7556	TTD 6.7993	TTD 6.7992
		B	EUR 1 =	TTD 7.5084	TTD 7.4357	TTD 7.4436	TTD 7.5437
		S	EUR 1 =	TTD 8.0404	TTD 8.0539	TTD 7.9019	TTD 7.9917

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		
					October 2019	November 2019	December 2019
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.9209	TND 2.8273	TND 2.8632	TND 2.7968
			USD 1 =	TND 2.9238	TND 2.8301	TND 2.8660	TND 2.7995
	TND	B S	EUR 1 =	TND 3.2721	TND 3.1481	TND 3.1469	TND 3.1411
			EUR 1 =	TND 3.2754	TND 3.1512	TND 3.1500	TND 3.1443
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 5.6666	TRY 5.7363	TRY 5.7579	TRY 5.9402
			USD 1 =	TRY 5.6768	TRY 5.7466	TRY 5.7682	TRY 5.9509
	TRY	B S	EUR 1 =	TRY 6.3544	TRY 6.3772	TRY 6.3396	TRY 6.6506
			EUR 1 =	TRY 6.3659	TRY 6.3887	TRY 6.3511	TRY 6.6625
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 3.8906	TMT 3.8535	TMT 3.9113
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,697.34	UGX 3,704.88	UGX 3,694.50	UGX 3,660.21
			USD 1 =	UGX 3,707.34	UGX 3,714.88	UGX 3,704.50	UGX 3,670.21
	UGX	B S	EUR 1 =	UGX 4,132.84	UGX 4,118.82157	UGX 4,063.46239	UGX 4,086.42403
			EUR 1 =	UGX 4,144.01	UGX 4,129.93885	UGX 4,074.46107	UGX 4,097.58848
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok	M M	USD 1 =	UAH 25.8236	UAH 24.9954	UAH 24.0356	UAH 23.2929
			EUR 1 =	UAH 28.9192	UAH 27.7599	UAH 26.4512	UAH 25.8085
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 4.0963	AED 4.0331	AED 4.1257
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M M	GBP 1 =	USD 1.2766	USD 1.2939	USD 1.2936	USD 1.3210
			EUR 1 =	GBP 0.8743	GBP 0.8622	GBP 0.8525	GBP 0.8500
United States							
Washington 400	US dollar = 100 cents	M M	EUR 1 =	USD 1.11753	USD 1.1150	USD 1.1015	USD 1.1197
			GBP 1 =	USD 1.27613	USD 1.2940	USD 1.2933	USD 1.3113

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		
					October 2019	November 2019	December 2019
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 35.277	UYU 37.416	UYU 37.840	UYU 37.336
		M	EUR 1 =	UYU 39.4599	UYU 41.7039	UYU 41.6902	UYU 41.8294
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 8,853.99	UZS 9,463.37	UZS 9,494.68	UZS 9,507.56
		M	EUR 1 =	UZS 9,907.42	UZS 10,483.52	UZS 10,465.04	UZS 10,624.70
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 112.90	VUV 114.63	VUV 114.56	VUV 112.66
		S	USD 1 =	VUV 120.29	VUV 120.99	VUV 122.15	VUV 120.14
		B	EUR 1 =	VUV 127.17	VUV 128.08	VUV 127.16	VUV 126.08
		S	EUR 1 =	VUV 132.41	VUV 133.11	VUV 132.41	VUV 131.30
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	VES 15,870.422	VES 23,344.401	VES 38,883.378	VES 46,504.279
		S	USD 1 =	VES 15,910.197	VES 23,402.908	VES 38,980.830	VES 46,620.831
		B	EUR 1 =	VES 17,630.658	VES 26,023.637	VES 42,819.931	VES 52,099.208
		S	EUR 1 =	VES 17,676.400	VES 26,089.328	VES 42,935.045	VES 52,230.715
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,173	VND 23,150	VND 23,125	VND 23,110
		S	USD 1 =	VND 23,286	VND 23,270	VND 23,245	VND 23,230
		B	EUR 1 =	VND 25,841.32	VND 25,730.64	VND 25,368.10	VND 25,805.63
		S	EUR 1 =	VND 26,611.82	VND 26,658.53	VND 26,155.60	VND 26,606.29
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 279.08	YER 275.19	YER 280.15
		S	EUR 1 =	YER 280.46	YER 279.63	YER 275.74	YER 280.71
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 12.9734	ZMW 13.2612	ZMW 14.5463	ZMW 14.0283
		S	USD 1 =	ZMW 13.0234	ZMW 13.3112	ZMW 14.5963	ZMW 14.0783
		B	EUR 1 =	ZMW 14.5150	ZMW 14.7902	ZMW 16.0009	ZMW 15.7510
		S	EUR 1 =	ZMW 14.5761	ZMW 14.8486	ZMW 16.0588	ZMW 15.8128
Zimbabwe							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	ZWL 9.49651 ²	ZWL 15.67395	ZWL 16.25750	ZWL 16.77340
		M	EUR 1 =	ZWL 10.511682 ²	ZWL 17.49440	ZWL 17.89865	ZWL 18.79705

IV. Overview of world currencies *

2. Currencies in selected territories and states in which the currency of another country is legal tender

As of end-December 2019

Country or territory (country code)	Currency	Country or territory (country code)	Currency
Åland Islands	Euro	Madeira (010)	Euro
Alhucemas	Euro	Marie-Galante (001)	Euro
American Samoa (830)	US dollar	Marshall Islands (824)	US dollar
Andaman Islands	Indian rupee	Martinique (001)	Euro
Andorra 1 (043)	Euro	Mayotte (377)	Euro
Anguilla (446)	East Caribbean dollar	Melilla (023)	Euro
Azores (010)	Euro	Micronesia, Federated States of (823)	US dollar
		Monaco 1 (001)	Euro
		Montenegro (097)	Euro
		Montserrat (470)	East Caribbean dollar
Baker Island (832)	US dollar	Mooréa	CFP franc
Balearics	Euro		
Bali	Indonesian rupiah		
Bonaire (475)	US dollar	Nauru (803)	Australian dollar
Bora-Bora	CFP franc	Newfoundland	Canadian dollar
Borneo (northern part) (701)	Malaysian ringgit	Nicobar Islands	Indian rupee
Borneo (southern part) (700)	Indonesian rupiah	Niue (838)	New Zealand dollar
British Virgin Islands (468)	US dollar	Norfolk Island (836)	Australian dollar
		Northern Mariana Islands (820)	US dollar
Canary Islands (011)	Euro		
Ceuta (021)	Euro	Palau (825)	US dollar
Chafarinas (Islands)	Euro	Pescadores	New Taiwan dollar
Christmas Island (834)	Australian dollar	Pitcairn Islands Group (813)	New Zealand dollar
Cocos Islands (833)	Australian dollar	Puerto Rico (400)	US dollar
Désirade (001)	Euro		
		Réunion (001)	Euro
Easter Island	Chilean peso		
Ecuador 1 (500)	US dollar	Saba (475)	US dollar
		San Marino 1 (047)	Euro
Faroe Islands 1 (041)	Danish krone	Spitzbergen/Spitsbergen (028)	Norwegian krone
(French) Guiana (001)	Euro	St Barthélemy (001)	Euro
French Polynesia (822)	CFP franc	St Eustatius (475)	US dollar
		St Martin (northern part) (001)	Euro
		St Pierre and Miquelon (408)	Euro
		Sumatra	Indonesian rupiah
		Swan Islands (424)	Honduran lempira
Galapagos Islands (500)	US dollar		
Gozo (Island of)	Euro	Tahiti (822)	CFP franc
Greenland (406)	Danish krone	Tibet (720)	Chinese renminbi
Guadeloupe (001)	Euro	Timor-Leste 1 (626)	US dollar
Guam (831)	US dollar	Tokelau (839)	New Zealand dollar/Samoan tala
Guernsey 1 (107)	Pound sterling	Turks and Caicos Islands 1 (454)	US dollar
		Tuvalu 1 (807)	Australian dollar
Howland Island (832)	US dollar		
		Vatican City 1 (045)	Euro
		Virgin Islands of the United States (457)	US dollar
Isle of Man 1 (109)	Pound sterling		
		Wallis and Futuna (Islands) (811)	CFP franc
Jarvis Island (832)	US dollar	Western Sahara (203)	Moroccan dirham
Java	Indonesian rupiah		
Jersey 1 (108)	Pound sterling		
		Zanzibar (Island) (352)	Tanzania shilling
Kiribati 1 (812)	Australian dollar		
Kosovo (095)	Euro		
	Serbian dinar		
Laccadive Islands	Indian rupee		
Les Saintes Islands (001)	Euro		
Liechtenstein (037)	Swiss franc		

Sources: Central banks and The Statesman's Yearbook. * See Explanatory notes, p. 53. 1 Local currency is also in use.

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-December 2019

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.

VII. ISO currency codes *

As of end-December 2019

ISO code	Currency	Country ¹ or territory	ISO code	Currency	Country ¹ or territory	ISO code	Currency	Country ¹ or territory
MAD	Moroccan dirham	Morocco Western Sahara	SAR	Saudi riyal	Saudi Arabia	UYU	Uruguayan peso	Uruguay
MDL	Moldovan leu	Moldova, Republic of	SBD	Solomon Islands dollar	Solomon Islands	UZS	Uzbekistan sum	Uzbekistan
MGA	Ariary	Madagascar	SCR	Seychelles rupee	Seychelles	VES	Bolívar Soberano	Venezuela, Bolivarian Republic of
MKD	North Macedonia denar	North Macedonia	SDG	Sudanese pound	Sudan	VND	Dong	Viet Nam
MMK	Kyat	Myanmar	SEK	Swedish krona	Sweden	VUV	Vatu	Vanuatu
MNT	Togrog	Mongolia	SGD	Singapore dollar	Singapore	SHP	Saint Helena pound	Saint Helena, Ascension and Tristan da Cunha
MOP	Pataca	Macao	SLL	Leone	Sierra Leone	SOS	Somali shilling	Somalia
MRU	Ouguiya	Mauritania	SRD	Suriname dollar	Suriname	SSP	South Sudanese pound	South Sudan
MUR	Mauritian rupee	Mauritius	STN	Dobra	Sao Tome and Principe	STN	Dobra	Sao Tome and Principe
MVR	Rufiyaa	Maldives	SVC	El Salvador colón	El Salvador	SYP	Syrian pound	Syrian Arab Republic
MWK	Malawi kwacha	Malawi	SZL	Lilangeni	Eswatini	THB	Thai baht	Thailand
MXN	Mexican peso	Mexico	TJS	Somoni	Tajikistan	TMT	Turkmen manat	Turkmenistan
MYR	Malaysian ringgit	Malaysia	TND	Tunisian dinar	Tunisia	TOP	Pa'anga	Tonga
MZN	Metical	Mozambique	TRY	Turkish lira	Turkey	TTD	Trinidad and Tobago dollar	Trinidad and Tobago
NAD	Namibia dollar	Namibia	TWD	New Taiwan dollar	China (Taiwan)	UAH	Hryvnia	Ukraine
NGN	Naira	Nigeria	TZS	Tanzania shilling	Tanzania, United Republic of	UGX	Uganda shilling	Uganda
NIO	Córdoba	Nicaragua	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States	UYU	Uruguayan peso	Uruguay
NOK	Norwegian krone	Norway Spitzbergen/ Spitsbergen	TOP	Pa'anga	Tonga	UZS	Uzbekistan sum	Uzbekistan
NPR	Nepalese rupee	Nepal	TRY	Turkish lira	Turkey	VES	Bolívar Soberano	Venezuela, Bolivarian Republic of
NZD	New Zealand dollar	New Zealand Cook Islands Niue Pitcairn Islands Group Tokelau	TTD	Trinidad and Tobago dollar	Trinidad and Tobago	VND	Dong	Viet Nam
OMR	Rial Omani	Oman	TWD	New Taiwan dollar	China (Taiwan)	VUV	Vatu	Vanuatu
PAB	Balboa	Panama	TZS	Tanzania shilling	Tanzania, United Republic of	WST	Tala	Samoa
PEN	Sol	Peru	UAH	Hryvnia	Ukraine	XAF	CFA franc	Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon
PGK	Kina	Papua New Guinea	UGX	Uganda shilling	Uganda	XCD	East Caribbean dollar	Anguilla Antigua and Barbuda Dominica Grenada Montserrat Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines
PHP	Philippine peso	Philippines	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States	XOF	CFA franc	Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo
PKR	Pakistani rupee	Pakistan	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States	XPF	CFP franc	New Caledonia French Polynesia Wallis and Futuna (Islands)
PLN	Polish zloty	Poland	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States	YER	Yemeni rial	Yemen
PYG	Guaraní	Paraguay	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States	ZAR	South African rand	South Africa Lesotho Namibia
QAR	Qatari riyal	Qatar	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States	ZMW	Kwacha	Zambia
RON	Romanian leu	Romania	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States	ZWL	Zimbabwe dollar	Zimbabwe
RSD	Serbian dinar	Serbia	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States			
RUB	Russian rouble	Russian Federation	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States			
RWF	Rwanda franc	Rwanda	USD	US dollar	United States American Samoa Bonaire British Virgin Islands Ecuador El Salvador Guam Marshall Islands Micronesia, Federated States of Northern Mariana Islands Palau Panama Puerto Rico Saba Saint Eustatius Timor-Leste Turks and Caicos Islands Virgin Islands of the United States			

■ 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°

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

° 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. According to financial information providers, the exchange rate was around 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

Alongside the official, published exchange rates a black market is still in existence and according to financial information providers, the exchange rate for the US dollar was more than 70,000 bolivar soberano at the beginning of January 2020.