



Exchange rate statistics November 2019

Statistical Supplement 5
to the Monthly Report

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■ Contents

■ I. Euro area and exchange rate stability convergence criterion

1. Euro area countries and irrevocable euro conversion rates in the third stage of Economic and Monetary Union	7
2. Central rates and intervention rates in Exchange Rate Mechanism II	7

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

1. Daily rates	8
2. Monthly averages	12
3. End-of-year rates and annual averages	15
4. Exchange rates of major currencies (chart)	17

■ III. Effective exchange rates of the euro

1. Annual and monthly averages	18
2. Nominal and real effective exchange rates based on consumer price indices (chart)	19

■ IV. Overview of world currencies

1. Currencies and exchange rates in individual countries	20
2. Currencies in selected territories and states in which the currency of another country is legal tender	43

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

1. End-of-year and end-of-month rates	44
2. Daily rates	45

■ VI. Global exchange rate arrangements and monetary policy framework 46

■ VII. ISO currency codes 48

■ Explanatory notes

Euro foreign exchange reference rates of the European Central Bank	51
Effective exchange rates of the euro	51
Indicators of the German economy's price competitiveness	51
Overview of world currencies	53
Value of the special drawing right	53
Global exchange rate arrangements and monetary policy framework	54

■ Explanatory notes on individual countries	57
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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	Data unknown, not to be published or not meaningful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 ...

		EU member countries							
		Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden
Period		Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK
2019 Aug.	1	1.9558	7.3830	25.742	7.4660	326.55	4.2979	4.7322	10.6868
	2	1.9558	7.3815	25.763	7.4660	326.96	4.3014	4.7345	10.7223
	5	1.9558	7.3805	25.776	7.4658	326.99	4.3142	4.7325	10.7603
	6	1.9558	7.3840	25.727	7.4644	325.35	4.3119	4.7300	10.7267
	7	1.9558	7.3823	25.719	7.4631	325.38	4.3174	4.7308	10.7673
	8	1.9558	7.3814	25.789	7.4631	325.08	4.3227	4.7300	10.7530
	9	1.9558	7.3915	25.828	7.4631	324.78	4.3191	4.7264	10.6972
	12	1.9558	7.3908	25.831	7.4633	324.65	4.3275	4.7250	10.7315
	13	1.9558	7.3928	25.829	7.4633	323.98	4.3372	4.7249	10.7088
	14	1.9558	7.3884	25.884	7.4608	325.15	4.3720	4.7212	10.7313
	15	1.9558	7.3858	25.876	7.4590	326.20	4.3878	4.7231	10.7305
	16	1.9558	7.3890	25.734	7.4590	324.78	4.3381	4.7293	10.7120
	19	1.9558	7.3870	25.780	7.4582	325.76	4.3702	4.7318	10.7268
	20	1.9558	7.3838	25.796	7.4560	327.23	4.3552	4.7305	10.7653
	21	1.9558	7.3830	25.794	7.4564	327.31	4.3529	4.7280	10.6983
	22	1.9558	7.3928	25.784	7.4558	327.79	4.3643	4.7223	10.7188
	23	1.9558	7.3940	25.769	7.4559	328.58	4.3550	4.7212	10.7165
	26	1.9558	7.3933	25.792	7.4564	329.23	4.3622	4.7277	10.7515
	27	1.9558	7.4003	25.814	7.4578	328.85	4.3696	4.7320	10.7050
	28	1.9558	7.4025	25.844	7.4578	330.00	4.3874	4.7273	10.7545
	29	1.9558	7.4035	25.853	7.4570	330.26	4.3809	4.7271	10.7790
	30	1.9558	7.4023	25.914	7.4562	331.07	4.3812	4.7284	10.8395
Sep.	2	1.9558	7.4006	25.919	7.4563	331.34	4.3691	4.7239	10.7470
	3	1.9558	7.4055	25.885	7.4566	330.68	4.3663	4.7292	10.8128
	4	1.9558	7.4045	25.834	7.4584	328.94	4.3395	4.7290	10.7530
	5	1.9558	7.4033	25.853	7.4588	329.47	4.3399	4.7300	10.6825
	6	1.9558	7.4038	25.836	7.4614	330.11	4.3394	4.7325	10.6350
	9	1.9558	7.3975	25.855	7.4598	329.93	4.3335	4.7297	10.6598
	10	1.9558	7.3938	25.869	7.4608	331.61	4.3339	4.7334	10.7445
	11	1.9558	7.3945	25.867	7.4607	332.40	4.3335	4.7348	10.6563
	12	1.9558	7.3928	25.824	7.4622	330.93	4.3304	4.7348	10.6315
	13	1.9558	7.3945	25.843	7.4678	331.53	4.3248	4.7352	10.6485
	16	1.9558	7.3945	25.882	7.4670	331.92	4.3241	4.7348	10.6703
	17	1.9558	7.3970	25.916	7.4671	333.96	4.3416	4.7340	10.6990
	18	1.9558	7.3980	25.892	7.4673	332.89	4.3370	4.7366	10.7298
	19	1.9558	7.4010	25.892	7.4672	332.77	4.3386	4.7448	10.7223
	20	1.9558	7.4008	25.913	7.4668	332.89	4.3575	4.7456	10.7113
	23	1.9558	7.4068	25.890	7.4664	334.62	4.3820	4.7498	10.7143
	24	1.9558	7.4040	25.872	7.4661	335.17	4.3813	4.7484	10.6763
	25	1.9558	7.4060	25.867	7.4648	334.95	4.3915	4.7438	10.6825
	26	1.9558	7.4063	25.851	7.4643	334.93	4.3871	4.7481	10.6598
	27	1.9558	7.4083	25.842	7.4661	335.54	4.3865	4.7515	10.7010
	30	1.9558	7.4110	25.816	7.4662	334.83	4.3782	4.7496	10.6958
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

* See Explanatory notes, p. 51.

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

Other European and non-European countries									Period
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		
0.91150	1.6135	4.2223	1.4602	7.6177	8.6367	136.10	76.2720	2019 Aug. 1	
0.91505	1.6365	4.2958	1.4698	7.7058	8.6924	136.30	77.3400	2	
0.91880	1.6520	4.3805	1.4775	7.8705	8.7638	136.30	79.1529	5	
0.91830	1.6467	4.4099	1.4785	7.8521	8.7670	136.50	79.2150	6	
0.92353	1.6628	4.4438	1.4920	7.8957	8.7834	136.50	79.4020	7	
0.92115	1.6483	4.4283	1.4874	7.8873	8.7774	137.30	79.1750	8	
0.92820	1.6452	4.3994	1.4796	7.9039	8.7790	137.30	79.2935	9	
0.92615	1.6589	4.4660	1.4807	7.9014	8.7825	137.50	79.7460	12	
0.92830	1.6589	4.4773	1.4889	7.9303	8.8057	139.10	80.1865	13	
0.92673	1.6579	4.4702	1.4872	7.8526	8.7774	138.10	79.7425	14	
0.91863	1.6442	4.4868	1.4841	7.8463	8.7440	137.90	79.5205	15	
0.91033	1.6320	4.4075	1.4730	7.7978	8.6863	137.70	78.8040	16	
0.91583	1.6376	4.4355	1.4729	7.8283	8.7095	137.90	79.2800	19	
0.91623	1.6347	4.4959	1.4762	7.8180	8.6868	138.10	79.4410	20	
0.91545	1.6337	4.4621	1.4761	7.8438	8.7072	138.10	79.4655	21	
0.91150	1.6380	4.4717	1.4722	7.8523	8.6889	138.30	79.5890	22	
0.90453	1.6396	4.5224	1.4741	7.8439	8.6776	138.10	79.3040	23	
0.90808	1.6430	4.5701	1.4788	7.9429	8.7195	138.30	80.0630	26	
0.90435	1.6412	4.6144	1.4689	7.9519	8.7110	138.70	79.4225	27	
0.90823	1.6431	4.5901	1.4754	7.9357	8.6959	137.90	79.5905	28	
0.90531	1.6402	4.5908	1.4699	7.9081	8.6876	138.10	79.3415	29	
0.90565	1.6398	4.5879	1.4658	7.8908	8.6549	138.50	78.8365	30	
0.90820	1.6338	4.5498	1.4632	7.8657	8.6021	138.50	78.8920	Sep. 2	
0.90885	1.6247	4.5684	1.4627	7.8513	8.5788	139.90	79.1970	3	
0.90255	1.6225	4.5603	1.4679	7.8808	8.6389	139.30	79.3890	4	
0.89580	1.6210	4.5036	1.4602	7.8996	8.6686	139.30	79.4125	5	
0.89635	1.6135	4.5145	1.4583	7.8442	8.6446	139.30	79.0805	6	
0.89275	1.6066	4.4764	1.4515	7.8610	8.6503	139.10	79.0815	9	
0.89300	1.6103	4.5234	1.4536	7.8445	8.6559	138.70	79.3815	10	
0.89133	1.6021	4.4721	1.4468	7.8309	8.6261	138.70	78.8720	11	
0.88920	1.5943	4.4402	1.4468	7.7702	8.5826	138.30	77.9980	12	
0.89093	1.6126	4.4964	1.4663	7.8589	8.6832	138.10	78.7415	13	
0.88510	1.6054	4.5138	1.4619	7.7957	8.6266	136.40	78.9825	16	
0.88813	1.6122	4.5207	1.4620	7.8249	8.6266	136.60	79.1470	17	
0.88720	1.6149	4.5045	1.4645	7.8349	8.6533	136.80	78.7070	18	
0.88735	1.6291	4.5738	1.4686	7.8518	8.6649	137.00	78.9335	19	
0.88230	1.6243	4.5956	1.4636	7.8207	8.6413	137.00	78.2925	20	
0.88343	1.6224	4.5665	1.4586	7.8279	8.6116	137.20	77.9405	23	
0.88153	1.6189	4.5759	1.4586	7.8199	8.6265	137.20	78.0635	24	
0.88668	1.6236	4.5987	1.4580	7.8239	8.6059	136.00	78.0215	25	
0.88505	1.6162	4.5113	1.4482	7.7976	8.5739	135.60	77.5600	26	
0.88778	1.6187	4.5492	1.4493	7.7947	8.5727	134.90	77.0685	27	
0.88573	1.6126	4.5288	1.4426	7.7784	8.5368	135.10	77.1615	30	
0.88955	1.6274	4.5384	1.4466	7.7903	8.5449	135.30	77.4920	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	

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

Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States	Period
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	
56.502	70.5770	1.5178	15.9959	1.0988	34.099	6.1516	1.1037	2019 Aug. 1
57.307	72.5055	1.5290	16.3271	1.0931	34.157	6.2221	1.1106	2
58.191	72.6588	1.5453	16.6794	1.0893	34.435	6.1990	1.1182	5
58.269	72.7977	1.5441	16.5635	1.0919	34.394	6.1906	1.1187	6
58.562	73.0455	1.5490	16.7546	1.0921	34.485	6.1614	1.1202	7
58.347	73.1407	1.5483	16.9516	1.0923	34.413	6.1367	1.1193	8
58.207	73.2133	1.5481	17.0060	1.0897	34.400	6.1452	1.1198	9
58.424	73.4092	1.5520	17.2164	1.0876	34.506	6.2161	1.1194	12
58.743	73.6134	1.5576	17.2289	1.0853	34.648	6.3141	1.1222	13
58.581	73.3476	1.5530	17.1270	1.0862	34.509	6.2616	1.1188	14
58.759	73.7771	1.5483	17.0440	1.0863	34.403	6.2316	1.1150	15
58.012	73.3855	1.5356	16.8081	1.0854	34.208	6.1543	1.1076	16
58.171	74.2984	1.5376	17.0524	1.0884	34.247	6.2181	1.1103	19
57.964	73.8360	1.5351	17.0117	1.0860	34.086	6.3328	1.1076	20
57.941	73.1897	1.5354	16.8573	1.0875	34.173	6.3462	1.1104	21
57.985	72.7560	1.5361	16.8177	1.0905	34.130	6.3875	1.1083	22
58.008	72.9469	1.5360	16.8439	1.0893	33.997	6.3815	1.1065	23
58.327	73.2819	1.5432	16.9646	1.0885	34.004	6.4642	1.1116	26
58.095	73.8447	1.5411	16.9845	1.0884	33.935	6.4700	1.1104	27
57.998	74.0400	1.5393	17.0319	1.0872	33.931	6.4250	1.1083	28
57.793	73.6750	1.5354	16.8950	1.0880	33.886	6.4594	1.1072	29
57.462	73.4150	1.5312	16.8299	1.0909	33.754	6.4418	1.1036	30
57.200	73.2222	1.5253	16.6827	1.0875	33.600	6.3762	1.0968	Sep. 2
57.190	73.2576	1.5237	16.5525	1.0829	33.548	6.2937	1.0937	3
57.205	73.1531	1.5270	16.3729	1.0848	33.732	6.2482	1.1018	4
57.412	72.9651	1.5295	16.3765	1.0863	33.777	6.2835	1.1058	5
57.208	72.5679	1.5229	16.2808	1.0928	33.819	6.2875	1.1027	6
57.195	72.1849	1.5223	16.1931	1.0923	33.800	6.3176	1.1033	9
57.425	72.2447	1.5227	16.1993	1.0943	33.799	6.3736	1.1040	10
57.354	71.8661	1.5180	16.1384	1.0934	33.653	6.3335	1.1003	11
56.912	71.2200	1.5091	15.9936	1.0892	33.334	6.2075	1.0963	12
57.644	71.2243	1.5226	16.0983	1.0940	33.776	6.2892	1.1096	13
57.692	70.6403	1.5158	16.1498	1.0932	33.672	6.3041	1.1031	16
57.712	70.7241	1.5175	16.2780	1.0966	33.701	6.3065	1.1026	17
57.643	70.9405	1.5182	16.1576	1.0999	33.750	6.2663	1.1053	18
57.803	70.6938	1.5243	16.2351	1.0970	33.782	6.3023	1.1067	19
57.375	70.3933	1.5176	16.3991	1.0942	33.636	6.2894	1.1030	20
57.272	70.2637	1.5140	16.3465	1.0891	33.499	6.2829	1.0985	23
57.358	70.0259	1.5145	16.3599	1.0878	33.630	6.2553	1.1003	24
57.475	70.6879	1.5133	16.5085	1.0841	33.577	6.2598	1.0982	25
57.064	70.2190	1.5104	16.3723	1.0864	33.509	6.1899	1.0938	26
56.736	70.3733	1.5100	16.4831	1.0860	33.510	6.1895	1.0935	27
56.553	70.7557	1.5060	16.5576	1.0847	33.315	6.1491	1.0889	30
56.610	71.0815	1.5108	16.6700	1.0906	33.430	6.1979	1.0898	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

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 Sep.	1.9558	7.6236	27.599	7.4449	313.20	4.1899	4.4095	9.1929	0.79113	1.4246
Oct.	1.9558	7.6573	27.588	7.4448	307.85	4.2066	4.4153	9.1797	0.78861	1.4436
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

* 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 ...

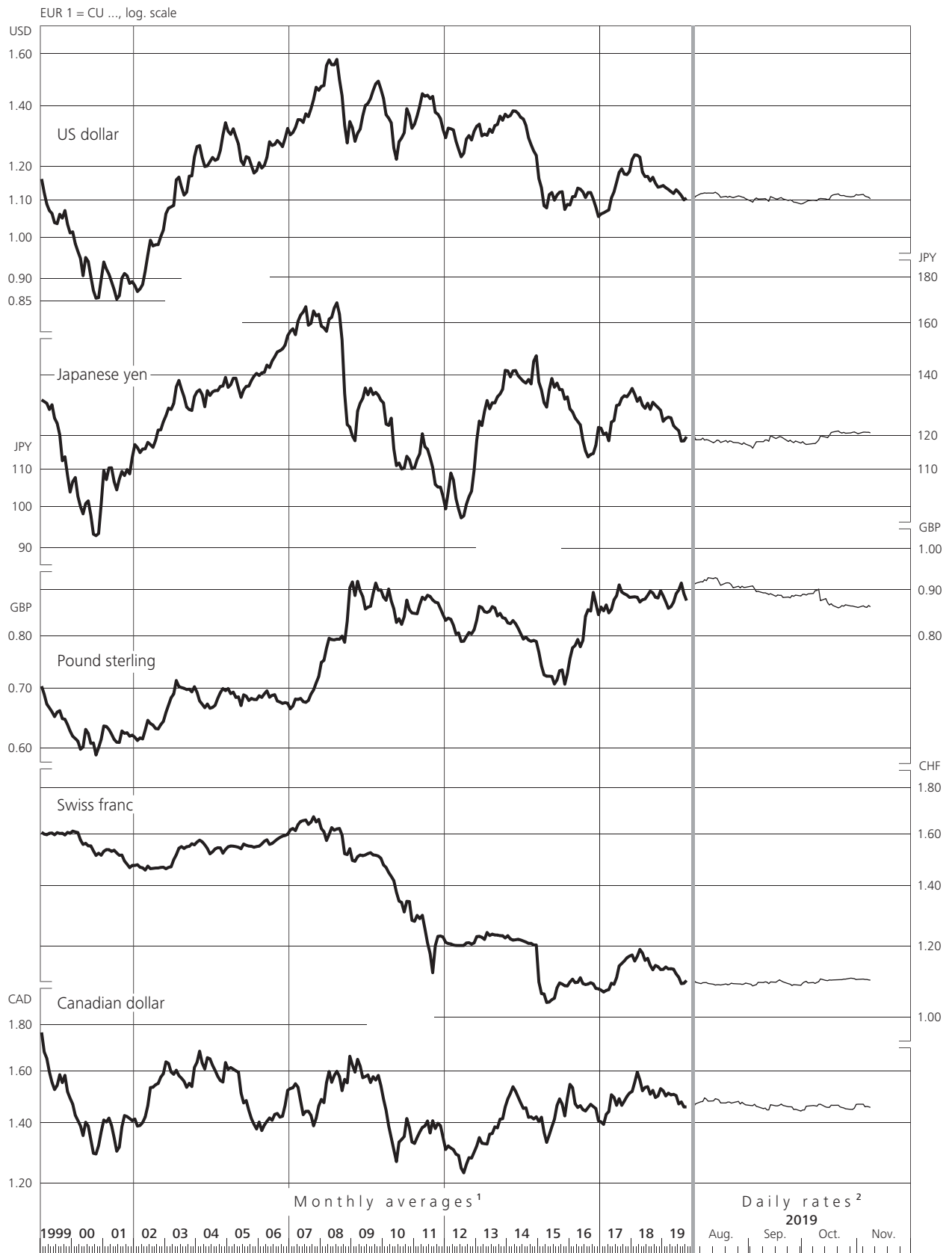
EU member countries										
Period	Bulgaria Bulgarian lev BGN	Croatia Kuna HRK 1	Cyprus Cyprus pound CYP 2	Czechia Czech koruna CZK	Denmark Danish krone DKK	Estonia Estonian kroon EEK 2	Hungary Hungarian forint HUF	Latvia Latvian lats LVL 2	Lithuania Lithuanian litas LTL 2	
End of year										
2005	1.9563	7.3715	0.57350	29.000	7.4605	15.6466	252.87	0.6962	3.4528	
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	–	–	
Annual averages +										
2005	1.9558	7.4008	0.57683	29.782	7.4518	15.6466	248.05	0.6962	3.4528	
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	–	–	
EU member countries (cont'd)							Other European and non-European countries			
Malta	Poland	Romania	Slovakia	Slovenia	Sweden	United Kingdom	Australia	Brazil	Canada	
Maltese lira MTL 2	Polish zloty PLN	Romanian leu RON	Slovak koruna SKK 2	Slovenian tolar SIT 2	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD	Brazilian real BRL 4	Canadian dollar CAD	
End of year										
2005	0.4293	3.8600	3.6802	37.880	239.5000	9.3885	0.68530	1.6109	2.7462	1.3725
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
Annual averages +										
2005	0.4299	4.0230	3.6209	38.599	239.5681	9.2822	0.68380	1.6320	3.0360	1.5087
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

* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Up to March 2005, ECB indicative rates. 2 Accession to the euro area, see p. 7 (Table I. 1.). 3 Currency conversion effective from 1 July 2005: ROL (old Romanian leu) 10,000 =

RON (new Romanian leu) 1; to calculate the annual average for 2005, the rates set in (old) Romanian lei were converted at a rate of 10,000:1 and included in the calculation. 4 Up to December 2007, ECB indicative rates.

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

4. Exchange rates of major currencies



III. Effective exchange rates of the euro *

1. Annual and monthly averages

Q1 1999 = 100

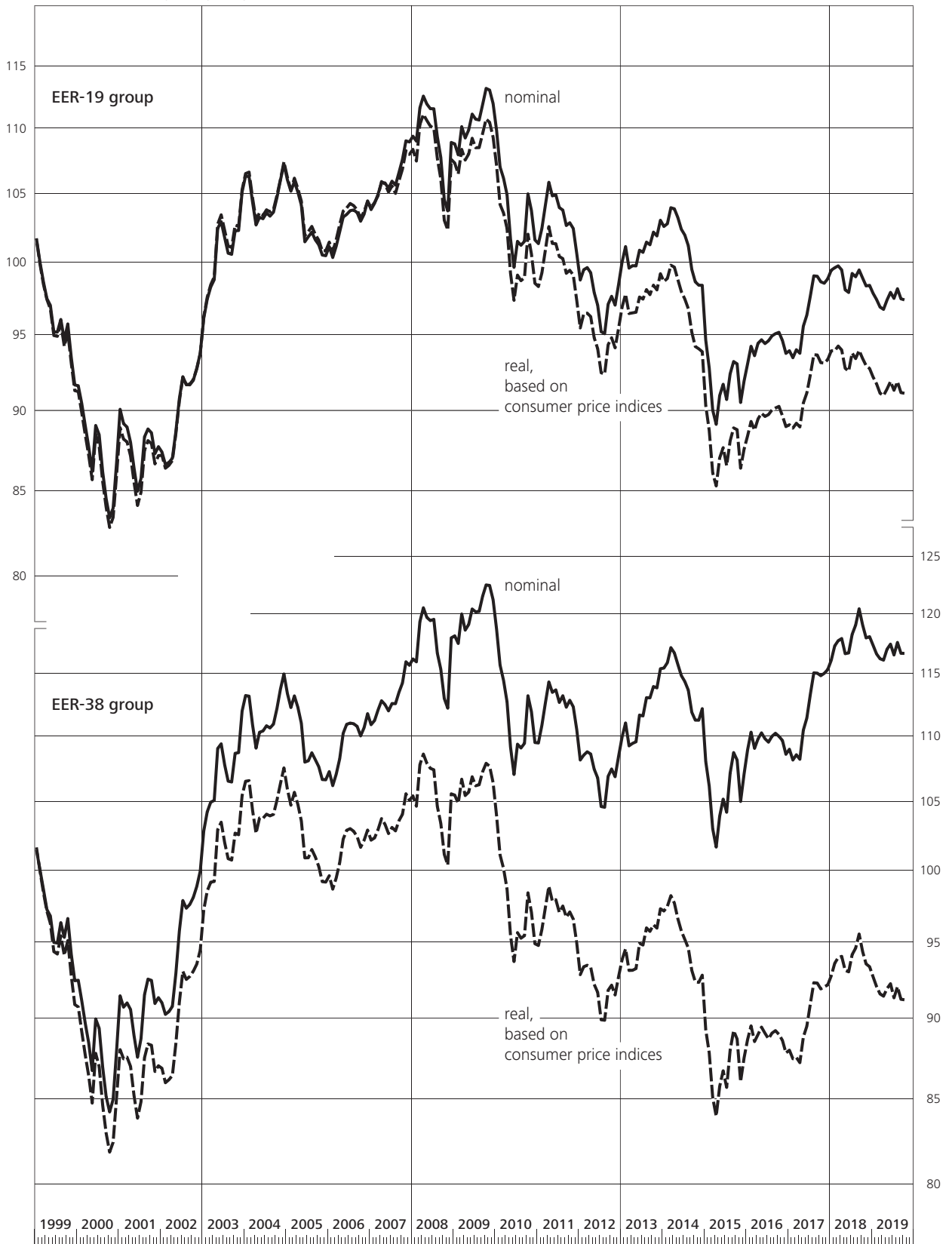
Period	Effective exchange rate of the euro vis-à-vis the currencies of the group ¹				Memo item: Indicators of the German economy's price competitiveness based on consumer price indices vis-à-vis					
	EER-19		EER-38 ²		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based on consumer price indices	Nominal	Real, based on consumer price indices	Total	of which:				
						euro area countries	non-euro area countries			
2000	87.2	86.7	88.0	85.8	93.0	99.0	85.9	92.1	91.0	
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	97.4	98.7	94.2	106.0	93.6	92.0	
2011	103.3	99.9	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	105.8	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	
2016 Jan.	93.0	88.4	108.9	p 88.6	94.7	94.2	95.2	87.4	p 87.3	
Feb.	94.2	89.3	110.3	p 89.5	95.1	94.1	96.5	87.8	p 87.8	
Mar.	93.6	88.8	109.0	p 88.5	95.1	94.1	96.3	87.6	p 87.3	
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	95.6	94.1	97.6	88.2	p 87.6	
Sep.	95.1	90.2	110.2	p 89.2	95.6	94.1	97.7	88.3	p 87.7	
Oct.	95.1	90.3	110.0	p 89.0	95.9	94.2	98.3	88.3	p 87.6	
Nov.	94.6	89.7	109.6	p 88.6	95.4	94.2	97.0	88.0	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	95.3	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	90.5	p 89.9	
Oct.	98.6	93.1	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	103.6	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	90.4	p 90.1	
Mar.	99.7	94.2	117.7	p 94.0	98.4	94.3	104.8	90.6	p 90.3	
Apr.	99.5	94.0	117.9	p 94.0	98.6	94.4	105.1	90.6	p 90.5	
May	98.1	92.7	116.6	p 93.1	98.0	94.4	103.5	90.0	p 89.9	
June	97.9	92.6	116.7	p 93.0	97.8	94.5	102.8	89.9	p 90.0	
July	99.2	93.7	118.2	p 94.2	97.6	94.2	103.0	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	103.2	90.8	p 91.5	
Oct.	98.9	93.4	119.0	p 94.4	97.7	94.5	102.4	90.4	p 90.8	
Nov.	98.3	92.9	117.9	p 93.5	97.6	94.7	102.0	90.3	p 90.5	
Dec.	98.4	92.7	118.0	p 93.4	97.5	94.5	101.9	90.0	p 90.3	
2019 Jan.	97.8	92.2	117.3	p 92.7	97.0	94.2	101.2	89.5	p 89.7	
Feb.	97.4	91.7	116.6	p 92.0	96.9	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	91.0	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	94.5	101.1	89.6	p 89.7	
July	97.5	p 91.3	116.5	p 91.3	97.0	94.5	100.7	p 89.4	p 89.3	
Aug.	98.1	p 91.9	117.6	p 92.0	96.9	94.4	100.5	p 89.6	p 89.6	
Sep.	97.4	p 91.1	116.7	p 91.2	96.6	94.6	99.5	p 89.3	p 89.3	
Oct.	97.4	p 91.1	116.6	p 91.2	p 96.6	p 94.5	p 99.5	p 89.2	p 89.2	

* 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 2018	Rate at end of month			
					August 2019	September 2019	October 2019	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 72.3703	AFN 77.9250	AFN 78.2060	AFN 78.1000	
		S	USD 1 =	AFN 72.4703	AFN 78.0250	AFN 78.3060	AFN 78.2000	
	AFN	B	EUR 1 =	AFN 85.1413	AFN 86.1700	AFN 85.6093	AFN 86.5825	
		S	EUR 1 =	AFN 85.4013	AFN 86.4300	AFN 85.8693	AFN 86.8425	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 107.90	ALL 110.59	ALL 111.70	ALL 110.44
M			EUR 1 =	ALL 127.49	ALL 122.12	ALL 122.11	ALL 123.25	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 116.6712	DZD 120.0589	DZD 120.6491	DZD 119.4739	
		S	USD 1 =	DZD 116.6862	DZD 120.0739	DZD 120.6641	DZD 119.4889	
	DZD	B	EUR 1 =	DZD 137.5913	DZD 132.5330	DZD 131.4472	DZD 133.1895	
		S	EUR 1 =	DZD 137.6362	DZD 132.5976	DZD 131.4877	DZD 133.2301	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 258.279	AOA 358.346	AOA 374.211	AOA 491.619 ¹	
		S	USD 1 =	AOA 259.059	AOA 365.659	AOA 381.848	AOA 501.652 ¹	
	AOA	B	EUR 1 =	AOA 303.343	AOA 395.757	AOA 408.676	AOA 548.499 ¹	
		S	EUR 1 =	AOA 304.296	AOA 403.688	AOA 416.978	AOA 559.693 ¹	
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 3.1748	XCD 2.9667	XCD 2.9272	XCD 2.9984	
		V, S	EUR 1 =	XCD 3.2087	XCD 2.9984	XCD 2.9584	XCD 3.0304	
Argentina ¹								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 27.9603	ARS 59.3100	ARS 57.3900	ARS 59.4700	
		S	USD 1 =	ARS 28.0933	ARS 59.5100	ARS 57.5900	ARS 59.6700	
	ARS	B	EUR 1 =	ARS 32.7610	ARS 65.0038	ARS 62.4805	ARS 66.2198	
		S	EUR 1 =	ARS 32.9871	ARS 65.3717	ARS 62.8422	ARS 66.5917	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 483.02	AMD 476.10	AMD 475.97	AMD 476.10	
		M	EUR 1 =	AMD 570.42	AMD 525.71	AMD 519.81	AMD 531.71	
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 210.14	AWG 196.58	AWG 194.27	AWG 198.80	
		S	EUR 100 =	AWG 212.25	AWG 198.56	AWG 196.22	AWG 200.80	

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7479	USD 0.6718	USD 0.6749	USD 0.6926
		M	AUD 1 =	EUR 0.6313	EUR 0.6081	EUR 0.6171	EUR 0.6203
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
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 2.0097	AZN 1.8777	AZN 1.8592	AZN 1.8981
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 1.17510	BSD 1.09808	BSD 1.08346	BSD 1.10982
		V, S	EUR 1 =	BSD 1.19576	BSD 1.11740	BSD 1.10251	BSD 1.12934
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 0.37750	BHD 0.37785	BHD 0.37785	BHD 0.37785
		B	EUR 1 =	BHD 0.4312038	BHD 0.4050041	BHD 0.3999019	BHD 0.4083506
		S	EUR 1 =	BHD 0.4578762	BHD 0.4300559	BHD 0.4246381	BHD 0.4336094
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 83.5083	BDT 84.5000	BDT 84.5000	BDT 84.7500
		S	USD 1 =	BDT 83.5125	BDT 84.5000	BDT 84.5000	BDT 84.7500
		B	EUR 1 =	BDT 98.2612	BDT 92.8571	BDT 92.4261	BDT 94.4793
		S	EUR 1 =	BDT 98.2898	BDT 92.8909	BDT 92.4430	BDT 94.5132
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 2.34733	BBD 2.20092	BBD 2.17573	BBD 2.20759
		S	EUR 1 =	BBD 2.39134	BBD 2.24218	BBD 2.21652	BBD 2.24898
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.0439	BYN 2.0980	BYN 2.0743	BYN 2.0544
		M	EUR 1 =	BYN 2.4113	BYN 2.3160	BYN 2.2651	BYN 2.2840

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
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 2.3365	BZD 2.1905	BZD 2.1613	BZD 2.2107	
	BZD	S	EUR 1 =	BZD 2.3777	BZD 2.2291	BZD 2.1995	BZD 2.2497
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 594.379	XOF 602.403	XOF 588.091
		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 1.1763	BMD 1.0992	BMD 1.0845	BMD 1.1109	
	V, S	EUR 1 =	BMD 1.1861	BMD 1.1083	BMD 1.0936	BMD 1.1202	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 67.47	BTN 70.70	BTN 69.70	BTN 69.90
		S	USD 1 =	BTN 69.63	BTN 72.90	BTN 71.90	BTN 72.05
	B	EUR 1 =	BTN 79.54	BTN 78.25	BTN 76.05	BTN 77.60	
	S	EUR 1 =	BTN 81.75	BTN 80.45	BTN 78.20	BTN 79.75	
Bolivia, Plurinational State of							
Sucre Seat of government: La Paz 516	Boliviano = 100 centavos BOB	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
		S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		V, B	EUR 1 =	BOB 8.0997	BOB 7.5707	BOB 7.4699	BOB 7.6516
		V, S	EUR 1 =	BOB 8.2178	BOB 7.6811	BOB 7.5787	BOB 7.7632
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.65251	BAM 1.762049	BAM 1.784125	BAM 1.756654
		S	USD 1 =	BAM 1.663548	BAM 1.770881	BAM 1.793067	BAM 1.765460
	BAM	³	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone 391	Pula = 100 thebe	B	BWP 1 =	USD 0.0982	USD 0.0904	USD 0.0907	USD 0.0911
		S	BWP 1 =	USD 0.0980	USD 0.0901	USD 0.0905	USD 0.0909
	B	BWP 1 =	EUR 0.0833	EUR 0.0819	EUR 0.0830	EUR 0.0817	
	S	BWP 1 =	EUR 0.0831	EUR 0.0817	EUR 0.0828	EUR 0.0815	

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.6555	BRL 4.1379	BRL 4.1638	BRL 4.0035
		S	USD 1 =	BRL 3.6561	BRL 4.1385	BRL 4.1644	BRL 4.0041
	BRL	B	EUR 1 =	BRL 4.3257	BRL 4.5463	BRL 4.5402	BRL 4.4647
		S	EUR 1 =	BRL 4.3276	BRL 4.5482	BRL 4.5425	BRL 4.4670
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3412	BND 1.3780	BND 1.3719	BND 1.3519
		S	USD 1 =	BND 1.3596	BND 1.3967	BND 1.3904	BND 1.3704
	BND	B	EUR 1 =	BND 1.5653	BND 1.4992	BND 1.4854	BND 1.4932
		S	EUR 1 =	BND 1.6201	BND 1.5545	BND 1.5405	BND 1.5482
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.65820	BGN 1.77223	BGN 1.79615	BGN 1.75348
		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 555.425	XOF 594.379	XOF 602.403	XOF 588.091
		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 1,766.7631	BIF 1,837.8459	BIF 1,844.7957	BIF 1,850.9040
		S	USD 1 =	BIF 1,802.4553	BIF 1,874.9741	BIF 1,882.0643	BIF 1,888.2960
	BIF	B	EUR 1 =	BIF 2,084.1976	BIF 2,040.0089	BIF 2,017.3764	BIF 2,066.1642
		S	EUR 1 =	BIF 2,126.3026	BIF 2,081.2213	BIF 2,058.1314	BIF 2,107.9048
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos CVE	B	USD 1 =	CVE 93.368	CVE 99.488	CVE 100.736	CVE 99.183
		S	USD 1 =	CVE 93.570	CVE 99.690	CVE 100.938	CVE 99.385
	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 4,044	KHR 4,088	KHR 4,095	KHR 4,048
		B	EUR 1 =	KHR 4,766	KHR 4,520	KHR 4,480	KHR 4,516
	S	EUR 1 =	KHR 4,814	KHR 4,565	KHR 4,524	KHR 4,561	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 594.379	XAF 602.403	XAF 588.091
		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 1.2957	CAD 1.3295	CAD 1.3243	CAD 1.3160
		M	EUR 1 =	CAD 1.5313	CAD 1.4629	CAD 1.4438	CAD 1.4671

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 2018	Rate at end of month		
					August 2019	September 2019	October 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 0.9842	KYD 0.9197	KYD 0.9074	KYD 0.9295
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 594.379	XAF 602.403	XAF 588.091
		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 555.425	XAF 594.379	XAF 602.403	XAF 588.091
		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 641.12	CLP 720.65	CLP 725.68	CLP 726.34
		M	EUR 1 =	CLP 756.15	CLP 796.56	CLP 794.31	CLP 806.87
China							
Beijing 720	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.6185	CNY 7.0879	CNY 7.0729	CNY 7.0533
		M	EUR 1 =	CNY 7.8113	CNY 7.8661	CNY 7.7538	CNY 7.8676
		M	HKD 1 =	CNY 0.84482	CNY 0.90332	CNY 0.90201	CNY 0.90001
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.110	TWD 31.340	TWD 30.990	TWD 30.390
		S	USD 1 =	TWD 30.210	TWD 31.440	TWD 31.090	TWD 30.490
		B	EUR 1 =	TWD 35.42	TWD 34.45	TWD 33.75	TWD 33.79
S	EUR 1 =	TWD 35.82	TWD 34.85	TWD 34.15	TWD 34.19		
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 2,958.634	COP 3,464.15	COP 3,462.01	COP 3,389.94
		V, M	EUR 1 =	COP 3,488.850	COP 3,823.036	COP 3,769.783	COP 3,781.139
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 416.56880	KMF 445.78448	KMF 451.80251	KMF 441.06845
		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 555.425	XAF 594.379	XAF 602.403	XAF 588.091
		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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,591.7807	CDF 1,620.3167	CDF 1,620.7829	CDF 1,621.7115
		S	USD 1 =	CDF 1,656.7522	CDF 1,686.4521	CDF 1,686.9374	CDF 1,687.9038
	CDF	B	EUR 1 =	CDF 1,876.6535	CDF 1,798.6160	CDF 1,772.6116	CDF 1,799.3796
		S	EUR 1 =	CDF 1,953.2516	CDF 1,871.9041	CDF 1,844.9631	CDF 1,872.8236
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.5993	EUR 0.5847	EUR 0.5873	EUR 0.5901
		S	NZD 1 =	EUR 0.5735	EUR 0.5589	EUR 0.5614	EUR 0.5642
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 575.06	CRC 567.66	CRC 577.93	CRC 579.86
		S	USD 1 =	CRC 581.56	CRC 575.16	CRC 583.88	CRC 585.39
	CRC	V, B	EUR 1 =	CRC 677.7717	CRC 626.4696	CRC 629.3080	CRC 646.7758
		V, S	EUR 1 =	CRC 685.4209	CRC 634.7466	CRC 635.7869	CRC 652.9440
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 594.379	XOF 602.403	XOF 588.091
		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 6.260285	HRK 6.678424	HRK 6.754583	HRK 6.681192
		S	USD 1 =	HRK 6.297960	HRK 6.718616	HRK 6.795233	HRK 6.721400
	HRK	B	EUR 1 =	HRK 7.391647	HRK 7.374316	HRK 7.380057	HRK 7.430153
		S	EUR 1 =	HRK 7.436130	HRK 7.418696	HRK 7.424471	HRK 7.474869
Cuba ¹							
Havana 448	Convertible peso/ Cuban peso = 100 centavos	⁴ B	CUC 1 =	USD 1.01464	USD 1.01009	USD 1.01009	USD 1.01009
		⁴ S	CUC 1 =	USD 0.98589	USD 0.99010	USD 0.99010	USD 0.99010
	CUC/CUP	B	EUR 1 =	CUC 1.16158	CUC 1.09409	CUC 1.08310	CUC 1.09984
		S	EUR 1 =	CUC 1.19594	CUC 1.11621	CUC 1.10500	CUC 1.12206
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 210.14	ANG 196.59	ANG 194.28	ANG 198.80
		S	EUR 100 =	ANG 214.38	ANG 200.55	ANG 198.19	ANG 202.81
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 21.735	CZK 23.484	CZK 23.707	CZK 22.871
		M	EUR 1 =	CZK 25.677	CZK 25.915	CZK 25.815	CZK 25.510

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 631.74	DKK 675.63	DKK 685.66	DKK 669.79
		M	EUR 100 =	DKK 745.32	DKK 745.62	DKK 746.62	DKK 747.08
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 206.95	DJF 194.44	DJF 191.88	DJF .
		S	EUR 1 =	DJF 215.40	DJF 202.03	DJF 199.37	DJF .
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 3.1748	XCD 2.9667	XCD 2.9272	XCD 2.9984
		V, S	EUR 1 =	XCD 3.2087	XCD 2.9984	XCD 2.9584	XCD 3.0304
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 49.1931	DOP 50.9174	DOP 51.7187	DOP 52.3106
		S	USD 1 =	DOP 49.6149	DOP 51.4510	DOP 52.2922	DOP 52.8233
		B	EUR 1 =	DOP 57.5023	DOP 56.1736	DOP 56.2507	DOP 57.3322
		S	EUR 1 =	DOP 60.8134	DOP 59.6928	DOP 59.7849	DOP 60.7511
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 17.7158	EGP 16.50	EGP 16.23	EGP 16.09
		S	USD 1 =	EGP 17.8158	EGP 16.60	EGP 16.33	EGP 16.19
		B	EUR 1 =	EGP 20.8527	EGP 18.2441	EGP 17.6680	EGP 17.9323
		S	EUR 1 =	EGP 21.1017	EGP 18.4044	EGP 17.8765	EGP 18.0907
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 10.3338	SVC 9.6565	SVC 9.5279	SVC 9.7598
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 594.379	XAF 602.403	XAF 588.091
		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 17.7168	ERN 16.6110	ERN 16.3950	ERN 16.6455
		S	EUR 1 =	ERN 18.3530	ERN 17.2472	ERN 17.0312	ERN 17.2817
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 27.4629	ETB 29.1524	ETB 29.2751	ETB 29.4303
		S	USD 1 =	ETB 28.0122	ETB 29.7354	ETB 29.8606	ETB 30.0189
	ETB	B	EUR 1 =	ETB 32.4260	ETB 32.2805	ETB 31.9889	ETB 32.7353
		S	EUR 1 =	ETB 33.0757	ETB 32.9261	ETB 32.6287	ETB 33.3900
Eswatini ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 13.2210	SZL 15.2872	SZL 15.1742	SZL 15.0199
		S	USD 1 =	SZL 13.2380	SZL 15.2936	SZL 15.1812	SZL 15.0265
	SZL	B	EUR 1 =	SZL 15.56690	SZL 16.8746	SZL 16.6050	SZL 16.7641
		S	EUR 1 =	SZL 15.59092	SZL 16.8834	SZL 16.6152	SZL 16.7736
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.74912	FKP 0.82063	FKP 0.81342	FKP 0.77222
		V	EUR 1 =	FKP 0.88471	FKP 0.90565	FKP 0.88573	FKP 0.86133
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4869	USD 0.4630	USD 0.4627	USD 0.4671
		S	FJD 1 =	USD 0.4699	USD 0.4460	USD 0.4457	USD 0.4501
	FJD	B	FJD 1 =	EUR 0.4112	EUR 0.4166	EUR 0.4206	EUR 0.4169
		S	FJD 1 =	EUR 0.3992	EUR 0.4046	EUR 0.4086	EUR 0.4049
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Gabon ¹							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 594.379	XAF 602.403	XAF 588.091
		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 48.15	GMD 50.29	GMD 50.51	GMD 50.96
		M	EUR 1 =	GMD 57.13	GMD 56.32	GMD 56.46	GMD 56.89
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.5403	GEL 2.9379	GEL 2.9552	GEL 2.9632
		M	EUR 1 =	GEL 2.9973	GEL 3.2531	GEL 3.2286	GEL 3.2963

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 4.5987	GHS 5.2788	GHS 5.3134	GHS 5.3345
		S	USD 1 =	GHS 4.6033	GHS 5.2840	GHS 5.3188	GHS 5.3399
	B	EUR 1 =	GHS 5.4149	GHS 5.8069	GHS 5.7937	GHS 5.9426	
	S	EUR 1 =	GHS 5.4191	GHS 5.8119	GHS 5.7974	GHS 5.9464	
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V	USD 1 =	GIP 0.74912	GIP 0.82063	GIP 0.81342	GIP 0.77222
		V	EUR 1 =	GIP 0.88471	GIP 0.90565	GIP 0.88573	GIP 0.86133
Greece ¹							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Grenada							
St George's 473	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	V, B	EUR 1 =	XCD 3.1748	XCD 2.9667	XCD 2.9272	XCD 2.9984	
	V, S	EUR 1 =	XCD 3.2087	XCD 2.9984	XCD 2.9584	XCD 3.0304	
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.53678	GTQ 7.68091	GTQ 7.73551	GTQ 7.71001
		V, M	EUR 1 =	GTQ 8.88361	GTQ 8.47665	GTQ 8.42320	GTQ 8.59975
Guinea							
Conakry 260	Guinean franc GNF	M	USD 1 =	GNF 8,904.1667	GNF 9,170.0000	GNF 9,210.0000	GNF 9,260.1465 ⁴
		M	EUR 1 =	GNF 10,490.7890	GNF 10,163.1052	GNF 10,192.7100	GNF 10,306.5474 ⁴
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 594.379	XOF 602.403	XOF 588.091
		⁵	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Guyana							
Georgetown 488	Guyana dollar = 100 cents	B	USD 1 =	GYD 207.48	GYD 207.98	GYD 207.98	GYD 207.98
		S	USD 1 =	GYD 209.95	GYD 210.45	GYD 210.45	GYD 210.45
	B	EUR 1 =	GYD 244.59	GYD 229.44	GYD 226.74	GYD 232.02	
	S	EUR 1 =	GYD 247.72	GYD 232.38	GYD 229.65	GYD 234.99	

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 68.5596	HTG 93.3893	HTG 93.3162	HTG 91.7459 ²
		V, M	EUR 1 =	HTG 80.7298	HTG 103.0644	HTG 101.6120	HTG 102.3334 ²
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 23.9317	HNL 24.5714	HNL 24.6230	HNL 24.6377
		S	USD 1 =	HNL 24.0992	HNL 24.7434	HNL 24.7954	HNL 24.8102
		V, B	EUR 1 =	HNL 28.2144	HNL 27.1170	HNL 26.8120	HNL 27.4809
		V, S	EUR 1 =	HNL 28.4119	HNL 27.3068	HNL 26.9997	HNL 27.6733
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.81855	HKD 7.80200	HKD 7.80220	HKD 7.79920
		S	USD 1 =	HKD 7.85902	HKD 7.87980	HKD 7.87830	HKD 7.87530
		B	EUR 1 =	HKD 9.21168	HKD 8.52440	HKD 8.47470	HKD 8.65270
		S	EUR 1 =	HKD 9.28494	HKD 8.71310	HKD 8.66160	HKD 8.83980
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 270.25	HUF 299.95	HUF 306.06	HUF 295.43
		M	EUR 1 =	HUF 319.90	HUF 331.11	HUF 334.65	HUF 329.82
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 107.965	ISK 125.12	ISK 123.40	ISK 123.39
		S	USD 1 =	ISK 108.479	ISK 125.72	ISK 123.98	ISK 123.97
		B	EUR 1 =	ISK 127.37	ISK 138.11	ISK 134.72	ISK 137.71
		S	EUR 1 =	ISK 128.30	ISK 138.89	ISK 135.48	ISK 138.49
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 68.3696	INR 71.7586	INR 70.6850	INR 70.8095
		M	EUR 1 =	INR 80.7937	INR 79.2397	INR 77.3284	INR 79.0338
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,176.33	IDR 14,166.00	IDR 14,103.00	IDR 13,937.96
		S	USD 1 =	IDR 14,319.00	IDR 14,308.00	IDR 14,245.00	IDR 14,078.04
		B	EUR 1 =	IDR 16,723.60	IDR 15,652.01	IDR 15,421.63	IDR 15,558.94
		S	EUR 1 =	IDR 16,895.44	IDR 15,810.34	IDR 15,578.33	IDR 15,719.54
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	³ M	USD 1 =	IRR 41,069 ⁵	IRR 42,000	IRR 42,000	IRR 42,000
		³ M	EUR 1 =	IRR 48,406 ⁵	IRR 46,226	IRR 45,926	IRR 46,904
		⁴ M	USD 1 =	IRR .	IRR 115,000	IRR 116,000	IRR 113,700
		⁴ M	EUR 1 =	IRR .	IRR 127,000	IRR 126,900	IRR 126,950

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² Exchange rate as of 25 October 2019. ³ Central bank rate. ⁴ Bureau de change

rate. ⁵ Due to several changes in the exchange rate regime only of limited informative value.

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 2018	Rate at end of month		
					August 2019	September 2019	October 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 1,188.00	IQD 1,190.00	IQD 1,190.00	
		B	EUR 1 =	IQD 1,397.087	IQD 1,308.710	IQD 1,287.080	IQD 1,318.403
			EUR 1 =	IQD 1,400.610	IQD 1,317.568	IQD 1,295.791	IQD 1,327.326
		3 S	USD 1 =	IQD 1,204.65	IQD 1,198.887	IQD 1,193.319	IQD 1,200.376
V, S	EUR 1 =	IQD 1,420.96	IQD 1,323.09	IQD 1,299.41	IQD 1,338.90		
Ireland							
Dublin 007	Euro = 100 cent EUR		M EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Israel							
Jerusalem 624	New shekel = 100 agorot ILS		M USD 1 =	ILS 3.5970	ILS 3.5350	ILS 3.4820	ILS 3.5290
			M EUR 1 =	ILS 4.2524	ILS 3.9029	ILS 3.8050	ILS 3.9365
Italy							
Rome 005	Euro = 100 cent EUR		M EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Jamaica							
Kingston 464	Jamaican dollar = 100 cents JMD	B	USD 1 =	JMD 128.0409	JMD 135.9552	JMD 133.7978	JMD 137.6765
			USD 1 =	JMD 129.6176	JMD 137.8597	JMD 135.1189	JMD 139.6325
		B	EUR 1 =	JMD 146.23049	JMD 152.7918	JMD 147.2888	JMD 145.6208
			EUR 1 =	JMD 154.30423	JMD 154.2796	JMD 147.4808	JMD 154.8996
Japan							
Tokyo 732	Japanese yen = 100 sen JPY	B	USD 1 =	JPY 109.44	JPY 105.46	JPY 106.92	JPY 107.88
			USD 1 =	JPY 111.44	JPY 107.46	JPY 108.92	JPY 109.88
		B	EUR 1 =	JPY 128.51	JPY 116.13	JPY 116.52	JPY 119.96
			EUR 1 =	JPY 131.51	JPY 119.13	JPY 119.52	JPY 122.96
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	
		B	EUR 1 =	JOD 0.83297	JOD 0.78376	JOD 0.77214	JOD 0.78907
			EUR 1 =	JOD 0.83920	JOD 0.78718	JOD 0.77724	JOD 0.79335
Kazakhstan							
Nur-Sultan 079	Tenge = 100 tiyn KZT		M USD 1 =	KZT 346.62	KZT 387.46	KZT 387.63	KZT 388.54
			M EUR 1 =	KZT 408.59	KZT 429.15	KZT 423.49	KZT 431.67

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 2018	Rate at end of month			
					August 2019	September 2019	October 2019	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 101.2370	KES 103.4500	KES 103.7856	KES 103.1088	
		S	USD 1 =	KES 101.4372	KES 103.6500	KES 103.9856	KES 103.3029	
	KES	B	EUR 1 =	KES 119.3664	KES 114.5050	KES 113.4156	KES 114.5841	
		S	EUR 1 =	KES 119.6328	KES 114.7544	KES 113.6617	KES 114.8335	
	Korea, Democratic People's Republic of ²							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 105.14	KPW 107.99	KPW 108.98	KPW 107.74
S			USD 1 =	KPW 106.02	KPW 109.07	KPW 110.07	KPW 108.82	
KPW		B	EUR 1 =	KPW 123.85	KPW 119.87	KPW 118.76	KPW 120.13	
		S	EUR 1 =	KPW 124.88	KPW 121.07	KPW 119.95	KPW 121.33	
Korea, Republic of								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,091.21	KRW 1,197.70	KRW 1,187.30	KRW 1,157.10
	S		USD 1 =	KRW 1,112.71	KRW 1,221.30	KRW 1,210.70	KRW 1,179.90	
	KRW	B	EUR 1 =	KRW 1,283.68	KRW 1,322.06	KRW 1,296.58	KRW 1,291.47	
		S	EUR 1 =	KRW 1,309.60	KRW 1,348.76	KRW 1,322.76	KRW 1,317.55	
	Kuwait							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30068	KWD 0.30225	KWD 0.30275	KWD 0.30195
S			USD 1 =	KWD 0.30428	KWD 0.30585	KWD 0.30635	KWD 0.30555	
KWD		B	EUR 1 =	KWD 0.354396	KWD 0.333548	KWD 0.330331	KWD 0.336750	
		S	EUR 1 =	KWD 0.358627	KWD 0.337521	KWD 0.334258	KWD 0.340765	
Kyrgyzstan								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 68.8858	KGS 69.8065	KGS 69.7039	KGS 69.8068
	M		EUR 1 =	KGS 81.3869	KGS 77.0594	KGS 76.1411	KGS 77.6182	
KGS		M	EUR 1 =	KGS 81.3869	KGS 77.0594	KGS 76.1411	KGS 77.6182	
		M	EUR 1 =	KGS 81.3869	KGS 77.0594	KGS 76.1411	KGS 77.6182	
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 8,408	LAK 8,751	LAK 8,813	LAK 8,833	
		S	USD 1 =	LAK 8,433	LAK 8,766	LAK 8,828	LAK 8,848	
	LAK	B	EUR 1 =	LAK 9,885	LAK 9,676	LAK 9,625	LAK 9,854	
		S	EUR 1 =	LAK 9,931	LAK 9,722	LAK 9,670	LAK 9,901	
	Latvia							
	Riga 054	Euro = 100 cent	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
EUR		M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154	
Lebanon								
Beirut 604	Lebanese pound = 100 piastres	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	
		M	EUR 1 =	LBP 1,782.68	LBP 1,664.43	LBP 1,646.49	LBP 1,681.01	
LBP		M	EUR 1 =	LBP 1,782.68	LBP 1,664.43	LBP 1,646.49	LBP 1,681.01	
Lesotho ¹								
Maseru 395	Loti = 100 lisente	M	USD 1 =	LSL 13.2646	LSL 15.2641	LSL 14.9737	LSL 15.1511	
		M	EUR 1 =	LSL 15.6033	LSL 16.8516	LSL 16.3925	LSL 16.8980	
LSL		M	EUR 1 =	LSL 15.6033	LSL 16.8516	LSL 16.3925	LSL 16.8980	

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 144.36	LRD 205.8776	LRD 208.4898	LRD 210.8112
		S	USD 1 =	LRD 145.23	LRD 207.1216	LRD 209.9338	LRD 212.1813
	LRD	V, B	EUR 1 =	LRD 169.8138	LRD 227.2065	LRD 227.0245	LRD 235.1388
V, S		EUR 1 =	LRD 170.8374	LRD 228.5794	LRD 228.5969	LRD 236.6670	
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3631	LYD 1.4066	LYD 1.4130	LYD 1.3977
		S	USD 1 =	LYD 1.3700	LYD 1.4136	LYD 1.4201	LYD 1.4047
	LYD	B	EUR 1 =	LYD 1.6066	LYD 1.5588	LYD 1.5450	LYD 1.5598
		S	EUR 1 =	LYD 1.6147	LYD 1.5666	LYD 1.5528	LYD 1.5676
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0672	MOP 8.0734	MOP 8.0697	MOP 8.0669
		S	USD 1 =	MOP 8.0921	MOP 8.0959	MOP 8.0922	MOP 8.0894
	MOP	B	EUR 1 =	MOP 9.5102	MOP 8.9071	MOP 8.8243	MOP 8.9996
		S	EUR 1 =	MOP 9.5588	MOP 8.9456	MOP 8.8628	MOP 9.0381
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,340.90	MGA 3,708.67	MGA 3,718.41	MGA 3,665.51
		M	EUR 1 =	MGA 3,939.56	MGA 4,090.62	MGA 4,070.99	MGA 4,080.14
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 717.8509	MWK 721.6524	MWK 727.5158	MWK 727.4662
		S	USD 1 =	MWK 736.2822	MWK 742.7396	MWK 742.0646	MWK 742.0140
	MWK	B	EUR 1 =	MWK 847.2160	MWK 797.1372	MWK 795.6113	MWK 812.0705
		S	EUR 1 =	MWK 868.9726	MWK 820.4302	MWK 811.5219	MWK 828.3103
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 3.9706	MYR 4.1600	MYR 4.1299	MYR 4.1201
		S	USD 1 =	MYR 4.0991	MYR 4.2790	MYR 4.2481	MYR 4.2379
	MYR	B	EUR 1 =	MYR 4.6691	MYR 4.5856	MYR 4.5045	MYR 4.5820
		S	EUR 1 =	MYR 4.8499	MYR 4.7470	MYR 4.6631	MYR 4.7434

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.40	MVR 15.27	MVR 15.37	MVR 15.40
		V, M	EUR 1 =	MVR 18.16330	MVR 16.85197	MVR 16.73639	MVR 17.17716
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 594.379	XOF 602.403	XOF 588.091
		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 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Mauritania							
Nouakchott 228	Ouguiya MRU	B	USD 1 =	MRU 35.61	MRU 36.64	MRU 36.82	MRU 36.97
		S	USD 1 =	MRU 35.97	MRU 37.01	MRU 37.19	MRU 37.34
		B	EUR 1 =	MRU 42.03	MRU 40.57	MRU 40.21	MRU 41.27
		S	EUR 1 =	MRU 42.45	MRU 40.98	MRU 40.61	MRU 41.68
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 33.6405	MUR 35.7190	MUR 36.0204	MUR 35.8129
		S	USD 1 =	MUR 34.6236	MUR 36.6186	MUR 36.9200	MUR 36.7121
		B	EUR 1 =	MUR 39.5707	MUR 39.3147	MUR 39.2498	MUR 39.8735
		S	EUR 1 =	MUR 40.7996	MUR 40.4316	MUR 40.3609	MUR 41.0079
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 19.2071	MXN 20.0490	MXN 19.7155	MXN 19.2295
		S	USD 1 =	MXN 19.2144	MXN 20.0550	MXN 19.7205	MXN 19.2350
		V, B	EUR 1 =	MXN 22.6936	MXN 22.1261	MXN 21.4682	MXN 21.4486
		V, S	EUR 1 =	MXN 22.7021	MXN 22.1327	MXN 21.4737	MXN 21.4547
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 16.8043	MDL 17.8322	MDL 17.7335	MDL 17.5329
		M	EUR 1 =	MDL 19.8400	MDL 19.7482	MDL 19.3959	MDL 19.4851
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,483.64	MNT 2,672.00	MNT 2,667.21	MNT 2,701.17
		M	EUR 1 =	MNT 2,928.63	MNT 2,949.35	MNT 2,916.46	MNT 3,014.51
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.3893	MAD 9.6288	MAD 9.7468	MAD 9.6176
		M	EUR 1 =	MAD 11.0887	MAD 10.6283	MAD 10.6396	MAD 10.7342

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Mozambique							
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 59.82	MZN 60.72	MZN 61.32	MZN 62.12
		S	USD 1 =	MZN 61.01	MZN 61.92	MZN 62.55	MZN 63.36
	MZN	B	EUR 1 =	MZN 70.66	MZN 67.03	MZN 66.95	MZN 69.04
		S	EUR 1 =	MZN 72.05	MZN 68.36	MZN 68.29	MZN 70.42
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,440.42	MMK 1,521.70	MMK 1,532.80	MMK 1,525.50
		M	EUR 1 =	MMK 1,695.58	MMK 1,680.00	MMK 1,675.90	MMK 1,704.40
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 13.2345	NAD 15.3206	NAD 15.1642	NAD 14.9794
		M	EUR 1 =	NAD 15.5835	NAD 16.9246	NAD 16.5862	NAD 16.7211
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 109.25	NPR 113.95	NPR 112.60	NPR 113.12
		S	USD 1 =	NPR 109.85	NPR 114.55	NPR 113.20	NPR 113.72
	NPR	B	EUR 1 =	NPR 128.90	NPR 125.77	NPR 123.17	NPR 125.68
		S	EUR 1 =	NPR 129.61	NPR 126.43	NPR 123.83	NPR 126.35
Netherlands							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
New Caledonia ¹							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.90	USD 9.25	USD 9.12	USD 9.35
		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 0.7068	USD 0.6436	USD 0.6400	USD 0.6568
		S	NZD 1 =	USD 0.6815	USD 0.6200	USD 0.6166	USD 0.6329
	NZD	B	NZD 1 =	EUR 0.5993	EUR 0.5847	EUR 0.5873	EUR 0.5901
		S	NZD 1 =	EUR 0.5735	EUR 0.5589	EUR 0.5614	EUR 0.5642
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 31.6153	NIO 33.3979	NIO 33.5321	NIO 33.6713
		V, M	EUR 1 =	NIO 37.26925	NIO 36.85792	NIO 36.51310	NIO 37.55697

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Niger ¹							
Niamey 240	CFA franc	V	USD 1 =	XOF 555.425	XOF 594.379	XOF 602.403	XOF 588.091
	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 305.10	NGN 306.00	NGN 306.00	NGN 306.00
		S	USD 1 =	NGN 306.10	NGN 307.00	NGN 307.00	NGN 307.00
	NGN	B	EUR 1 =	NGN 360.3831	NGN 337.8240	NGN 333.5400	NGN 341.4960
		S	EUR 1 =	NGN 361.5644	NGN 338.9280	NGN 334.6300	NGN 342.6120
North Macedonia							
Skopje 096	North Macedonia denar = 100 deni	B	USD 1 =	MKD 51.8497	MKD 55.2548	MKD 55.9557	MKD 55.1131
		S	USD 1 =	MKD 52.3708	MKD 55.8101	MKD 56.5180	MKD 55.6671
	MKD	B	EUR 1 =	MKD 61.2037	MKD 61.1781	MKD 61.1875	MKD 61.2087
		S	EUR 1 =	MKD 61.8188	MKD 61.7929	MKD 61.8025	MKD 61.8239
Norway							
Oslo 028	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.1037	NOK 9.0762	NOK 9.0448	NOK 9.1278
		S	USD 1 =	NOK 8.1687	NOK 9.1482	NOK 9.1168	NOK 9.1998
	NOK	B	EUR 1 =	NOK 9.5874	NOK 10.0190	NOK 9.8999	NOK 10.1887
		S	EUR 1 =	NOK 9.6594	NOK 10.0980	NOK 9.9789	NOK 10.2677
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 0.4528544	OMR 0.4255488	OMR 0.4197888	OMR 0.4287360
		S	EUR 1 =	OMR 0.4541107	OMR 0.4267340	OMR 0.4209590	OMR 0.4299295
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 121.67	PKR 157.10	PKR 156.20	PKR 155.70
		S	USD 1 =	PKR 121.90	PKR 157.60	PKR 156.70	PKR 156.20
	PKR	B	EUR 1 =	PKR 143.54	PKR 173.49	PKR 170.77	PKR 173.58
		S	EUR 1 =	PKR 143.80	PKR 174.05	PKR 171.32	PKR 174.15
Panama ¹							
Panama City 442	Balboa = 100 centésimos	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
	PAB	V	EUR 1 =	PAB 1.1810	PAB 1.1036	PAB 1.0889	PAB 1.1154
Papua New Guinea							
Port Moresby 801	Kina = 100 toea	B	PGK 1 =	USD 0.3108	USD 0.3015	USD 0.3015	USD 0.3015
		S	PGK 1 =	USD 0.2958	USD 0.2865	USD 0.2865	USD 0.2865
	PGK	B	PGK 1 =	EUR 0.2612	EUR 0.2693	EUR 0.2721	EUR 0.2670
		S	PGK 1 =	EUR 0.2462	EUR 0.2543	EUR 0.2571	EUR 0.2520

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,727.98	PYG 6,246.48	PYG 6,375.54	PYG 6,444.89
		S	USD 1 =	PYG 5,739.88	PYG 6,257.34	PYG 6,384.71	PYG 6,447.63
	PYG	V, B	EUR 1 =	PYG 6,762.15	PYG 6,893.62	PYG 6,942.33	PYG 7,188.63
V, S		EUR 1 =	PYG 6,776.14	PYG 6,905.60	PYG 6,952.31	PYG 7,191.69	
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.285	PEN 3.392	PEN 3.382	PEN 3.345
		S	USD 1 =	PEN 3.289	PEN 3.399	PEN 3.385	PEN 3.349
	PEN	B	EUR 1 =	PEN 3.811	PEN 3.717	PEN 3.484	PEN 3.623
		S	EUR 1 =	PEN 4.000	PEN 3.807	PEN 3.841	PEN 3.802
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 52.48	PHP 51.85	PHP 51.50	PHP 50.50
		S	USD 1 =	PHP 52.98	PHP 52.35	PHP 52.00	PHP 51.00
	PHP	B	EUR 1 =	PHP 60.5284	PHP 55.7775	PHP 54.8056	PHP 54.8569
		S	EUR 1 =	PHP 63.7421	PHP 59.0367	PHP 58.0127	PHP 58.0862
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.6125	PLN 3.9717	PLN 4.0000	PLN 3.8174
		M	EUR 1 =	PLN 4.2669	PLN 4.3844	PLN 4.3736	PLN 4.2617
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
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 4.2927	QAR 4.0171	QAR 3.9636	QAR 4.0601
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 3.9433	RON 4.2827	RON 4.3488	RON 4.2614
		M	EUR 1 =	RON 4.6558	RON 4.7294	RON 4.7511	RON 4.7576
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 62.9446	RUB 66.4897	RUB 64.4156	RUB 63.8734
		M	EUR 1 =	RUB 74.0611	RUB 73.3847	RUB 70.3161	RUB 71.0081

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 853.180023	RWF 896.892033	RWF 900.779547	RWF 904.986714
		S	USD 1 =	RWF 870.241900	RWF 914.828061	RWF 918.793319	RWF 923.084620
	RWF	B	EUR 1 =	RWF 1,008.609844	RWF 990.796628	RWF 985.272669	RWF 1,010.462915
		S	EUR 1 =	RWF 1,028.780004	RWF 1,010.610560	RWF 1,004.976132	RWF 1,030.670133
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound 2 = 100 pence SHP	V	USD 1 =	SHP 0.74912	SHP 0.82063	SHP 0.81342	SHP 0.77222
		V	EUR 1 =	SHP 0.88471	SHP 0.90565	SHP 0.88573	SHP 0.86133
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 3.1748	XCD 2.9667	XCD 2.9272	XCD 2.9984
		V, S	EUR 1 =	XCD 3.2087	XCD 2.9984	XCD 2.9584	XCD 3.0304
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 3.1748	XCD 2.9667	XCD 2.9272	XCD 2.9984
		V, S	EUR 1 =	XCD 3.2087	XCD 2.9984	XCD 2.9584	XCD 3.0304
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 3.1748	XCD 2.9667	XCD 2.9272	XCD 2.9984
		V, S	EUR 1 =	XCD 3.2087	XCD 2.9984	XCD 2.9584	XCD 3.0304
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.38875	USD 0.36988	USD 0.36995	USD 0.37221
		M	WST 1 =	EUR 0.32973	EUR 0.33463	EUR 0.33816	EUR 0.33498
Sao Tome and Principe							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 20.7647	STN 22.1279	STN 22.3990	STN 22.0601
		S	USD 1 =	STN 21.0762	STN 22.4598	STN 22.7350	STN 22.3911
	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 4.4221	SAR 4.1499	SAR 4.1053	SAR 4.1711

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 555.425	XOF 594.379	XOF 602.403	XOF 588.091
	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 99.9481	RSD 106.2864	RSD 107.1076	RSD 104.9750
		S	USD 1 =	RSD 100.5496	RSD 106.9260	RSD 107.7522	RSD 105.6068
	RSD	B	EUR 1 =	RSD 117.9053	RSD 117.4252	RSD 117.1757	RSD 117.1731
		S	EUR 1 =	RSD 118.6148	RSD 118.1318	RSD 117.8809	RSD 117.8783
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.7032	SCR 13.8653	SCR 14.0406	SCR 14.0254
		S	USD 1 =	SCR 14.0698	SCR 14.1804	SCR 14.1671	SCR 14.1844
	SCR	B	EUR 1 =	SCR 16.2129	SCR 15.4925	SCR 15.2606	SCR 15.1960
		S	EUR 1 =	SCR 16.6326	SCR 15.6971	SCR 15.5599	SCR 15.8719
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 7,878.57	SLL 9,167.75	SLL 9,349.81	SLL 9,460.87
		S	USD 1 =	SLL 8,037.73	SLL 9,352.95	SLL 9,538.70	SLL 9,651.99
	SLL	B	EUR 1 =	SLL 9,290.70	SLL 10,117.77	SLL 10,224.35	SLL 10,563.88
		S	EUR 1 =	SLL 9,475.79	SLL 10,318.07	SLL 10,429.59	SLL 10,773.46
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3486	SGD 1.3887	SGD 1.3813	SGD 1.3605
		M	EUR 1 =	SGD 1.5915	SGD 1.5337	SGD 1.5101	SGD 1.5195
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 210.14	ANG 196.59	ANG 194.28	ANG 198.80
		S	EUR 100 =	ANG 214.38	ANG 200.55	ANG 198.19	ANG 202.81
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1255	USD 0.1211	USD 0.1210	USD 0.1211
		M	SBD 1 =	EUR 0.10644	EUR 0.10930	EUR 0.11060	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 2018	Rate at end of month		
					August 2019	September 2019	October 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 13.1043	ZAR 15.0525	ZAR 14.9625	ZAR 14.9690
		S	USD 1 =	ZAR 13.4218	ZAR 15.3700	ZAR 15.2800	ZAR 15.2865
	ZAR	B	EUR 1 =	ZAR 15.3622	ZAR 16.5996	ZAR 16.2779	ZAR 16.6568
		S	EUR 1 =	ZAR 15.8001	ZAR 17.0326	ZAR 16.7050	ZAR 17.0908
South Sudan							
Juba 225	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 142.3526	SSP 159.4575	SSP 159.8720	SSP 159.9019
		M	EUR 1 =	SSP 167.7415	SSP 176.6475	SSP 174.6284	SSP 177.7711
SSP							
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1036	USD 1.0889	USD 1.1154
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 161.0435	LKR 178.4366	LKR 179.8933	LKR 179.6051
		S	USD 1 =	LKR 164.6315	LKR 182.1028	LKR 183.5647	LKR 183.3179
	LKR	B	EUR 1 =	LKR 188.8604	LKR 195.8683	LKR 195.3925	LKR 199.0409
		S	EUR 1 =	LKR 195.5350	LKR 202.4444	LKR 202.0915	LKR 206.3151
Sudan							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 25.3413	SDG 45.0000	SDG 45.0000	SDG 45.0000
		S	USD 1 =	SDG 25.4681	SDG 45.2250	SDG 45.2250	SDG 45.2250
	SDG	B	EUR 1 =	SDG 29.5831	SDG 49.8636	SDG 49.2134	SDG 50.2425
		S	EUR 1 =	SDG 29.7310	SDG 50.1129	SDG 49.4594	SDG 50.4937
Suriname							
Paramaribo 492	Suriname dollar = 100 cents	B	USD 1 =	SRD 7.401	SRD 7.396	SRD 7.396	SRD 7.396
		S	USD 1 =	SRD 7.525	SRD 7.520	SRD 7.520	SRD 7.520
	SRD	B	EUR 1 =	SRD 8.729	SRD 8.189	SRD 8.087	SRD 8.214
		S	EUR 1 =	SRD 8.866	SRD 8.326	SRD 8.223	SRD 8.352
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.6396	SEK 9.7380	SEK 9.7522	SEK 9.5769
		S	USD 1 =	SEK 8.7446	SEK 9.8430	SEK 9.8572	SEK 9.6819
	SEK	B	EUR 1 =	SEK 10.2389	SEK 10.7503	SEK 10.6712	SEK 10.6931
		S	EUR 1 =	SEK 10.3539	SEK 10.8653	SEK 10.7862	SEK 10.8081

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9783	CHF 0.9886	CHF 0.9931	CHF 0.9869
		B	EUR 1 =	CHF 1.1520	CHF 1.0914	CHF 1.0859	CHF 1.1019
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 434.00	SYP 435.00	SYP 435.00	SYP 435.00
		S	USD 1 =	SYP 438.30	SYP 438.00	SYP 438.00	SYP 438.00
		B	EUR 1 =	SYP 513.32	SYP 481.92	SYP 475.57	SYP 485.35
		S	EUR 1 =	SYP 518.41	SYP 485.31	SYP 478.91	SYP 488.76
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 9.1637	TJS 9.6820	TJS 9.6876	TJS 9.6960
		M	EUR 1 =	TJS 10.8116	TJS 10.6860	TJS 10.5944	TJS 10.7693
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,254.6073	TZS 2,278.0099	TZS 2,278.0297	TZS 2,277.4059
		S	USD 1 =	TZS 2,277.1533	TZS 2,300.7900	TZS 2,300.8100	TZS 2,300.1800
		B	EUR 1 =	TZS 2,661.7781	TZS 2,521.9848	TZS 2,491.9367	TZS 2,529.9703
		S	EUR 1 =	TZS 2,689.1558	TZS 2,547.4347	TZS 2,517.3162	TZS 2,555.5000
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 32.1291	THB 30.4726	THB 30.4176	THB 30.0093
		S	USD 1 =	THB 32.4704	THB 30.8159	THB 30.7661	THB 30.3564
		B	EUR 1 =	THB 37.7262	THB 33.5017	THB 33.0624	THB 33.3282
		S	EUR 1 =	THB 38.4623	THB 34.1990	THB 33.7905	THB 34.0302
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 594.379	XOF 602.403	XOF 588.091
		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 0.4462	USD 0.4299	USD 0.4300	USD 0.4318
		M	TOP 1 =	EUR 0.3777	EUR 0.3877	EUR 0.3929	EUR 0.3864
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7317	TTD 6.7221	TTD 6.7085	TTD 6.7363
		S	USD 1 =	TTD 6.7630	TTD 6.7569	TTD 6.7570	TTD 6.7556
		B	EUR 1 =	TTD 7.8811	TTD 7.3585	TTD 7.2321	TTD 7.4357
		S	EUR 1 =	TTD 8.4568	TTD 7.9278	TTD 7.8988	TTD 8.0539

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.6373	TND 2.8689	TND 2.8709	TND 2.8273
			USD 1 =	TND 2.6400	TND 2.8717	TND 2.8737	TND 2.8301
	TND	B S	EUR 1 =	TND 3.1069	TND 3.1664	TND 3.1314	TND 3.1481
			EUR 1 =	TND 3.1100	TND 3.1696	TND 3.1345	TND 3.1512
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 4.8094	TRY 5.7994	TRY 5.6591	TRY 5.7363
			USD 1 =	TRY 4.8180	TRY 5.8098	TRY 5.6693	TRY 5.7466
	TRY	B S	EUR 1 =	TRY 5.6804	TRY 6.4315	TRY 6.1836	TRY 6.3772
			EUR 1 =	TRY 5.6906	TRY 6.4431	TRY 6.1947	TRY 6.3887
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 4.1619	TMT 3.8637	TMT 3.8283	TMT 3.8906
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,728.14	UGX 3,684.33	UGX 3,679.13	UGX 3,704.88
			USD 1 =	UGX 3,738.14	UGX 3,694.33	UGX 3,689.13	UGX 3,714.88
	UGX	B S	EUR 1 =	UGX 4,393.75	UGX 4,080.55156	UGX 4,024.86599	UGX 4,118.82157
			EUR 1 =	UGX 4,405.54	UGX 4,091.62698	UGX 4,035.80571	UGX 4,129.93885
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok	M M	USD 100 =	UAH 2,721.1273	UAH 2,523.2299	UAH 2,408.2809	UAH 2,499.5421
			EUR 100 =	UAH 3,212.2821	UAH 2,793.7201	UAH 2,633.4552	UAH 2,775.9915
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 4.3310	AED 4.0530	AED 3.9990	AED 4.0963
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M M	GBP 1 =	USD 1.3350	USD 1.2183	USD 1.2320	USD 1.2939
			EUR 1 =	GBP 0.8854	GBP 0.9040	GBP 0.8848	GBP 0.8622
United States							
Washington 400	US dollar = 100 cents	M M	EUR 1 =	USD 1.17793	USD 1.0989	USD 1.0898	USD 1.1150
			GBP 1 =	USD 1.33458	USD 1.2156	USD 1.2287	USD 1.2940

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 2018	Rate at end of month		
					August 2019	September 2019	October 2019
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 30.739	UYU 36.642	UYU 36.939	UYU 37.416
		M	EUR 1 =	UYU 36.2340	UYU 40.2421	UYU 40.2746	UYU 41.7039
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 8,070.28	UZS 9,373.93	UZS 9,424.54	UZS 9,463.37
		M	EUR 1 =	UZS 9,528.90	UZS 10,446.31	UZS 10,383.02	UZS 10,483.52
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 108.58	VUV 115.09	VUV 115.01	VUV 114.63
		S	USD 1 =	VUV 115.41	VUV 122.72	VUV 122.63	VUV 120.99
		B	EUR 1 =	VUV 128.83	VUV 128.36	VUV 126.95	VUV 128.08
		S	EUR 1 =	VUV 134.09	VUV 133.65	VUV 132.19	VUV 133.11
Venezuela, Bolivarian Republic of							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	.	² VES 22,131.423	VES 20,694.526	VES 23,344.401
		S	USD 1 =	.	² VES 22,186.890	VES 20,746.392	VES 23,402.908
		B	EUR 1 =	.	² VES 24,342.352	VES 22,564.483	VES 26,023.637
		S	EUR 1 =	.	² VES 24,404.914	VES 22,621.451	VES 26,089.328
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,007	VND 23,130	VND 23,150	VND 23,150
		S	USD 1 =	VND 23,085	VND 23,250	VND 23,270	VND 23,270
		B	EUR 1 =	VND 27,033.98	VND 25,472.75	VND 25,214.61	VND 25,730.64
		S	EUR 1 =	VND 27,460.82	VND 26,263.39	VND 25,997.48	VND 26,658.53
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 294.43	YER 277.09	YER 273.48	YER 279.08
		S	EUR 1 =	YER 295.02	YER 277.64	YER 274.02	YER 279.63
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 10.5868	ZMW 13.0536	ZMW 13.1323	ZMW 13.2612
		S	USD 1 =	ZMW 10.6368	ZMW 13.1036	ZMW 13.1823	ZMW 13.3112
		B	EUR 1 =	ZMW 12.4529	ZMW 14.4138	ZMW 14.2945	ZMW 14.7902
		S	EUR 1 =	ZMW 12.5160	ZMW 14.4743	ZMW 14.3542	ZMW 14.8486
Zimbabwe ¹							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	.	ZWL 10.7139	ZWL 15.1979	ZWL 15.67395
		M	EUR 1 =	.	ZWL 11.61860	ZWL 16.31365	ZWL 17.49440

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 Calculation not meaningful due to multiple episodes of sharp depreciation.

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-October 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
Galapagos Islands (500)	US dollar	St Pierre and Miquelon (408)	Euro
Gozo (Island of)	Euro	Sumatra	Indonesian rupiah
Greenland (406)	Danish krone	Swan Islands (424)	Honduran lempira
Guadeloupe (001)	Euro		
Guam (831)	US dollar	Tahiti (822)	CFP franc
Guernsey 1 (107)	Pound sterling	Tibet (720)	Chinese renminbi
		Timor-Leste 1 (626)	US dollar
Howland Island (832)	US dollar	Tokelau (839)	New Zealand dollar/Samoan tala
		Turks and Caicos Islands 1 (454)	US dollar
		Tuvalu 1 (807)	Australian dollar
Isle of Man 1 (109)	Pound sterling		
		Vatican City 1 (045)	Euro
Jarvis Island (832)	US dollar	Virgin Islands of the United States (457)	US dollar
Java	Indonesian rupiah		
Jersey 1 (108)	Pound sterling		
Kiribati 1 (812)	Australian dollar	Wallis and Futuna (Islands) (811)	CFP franc
Kosovo (095)	Euro Serbian dinar	Western Sahara (203)	Moroccan dirham
Laccadive Islands	Indian rupee	Zanzibar (Island) (352)	Tanzania shilling
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.

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

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

SDR 1 ¹ = CU ...

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
1999	1.37251	1.36467	11.3508	140.111	0.848150	1.98094	2.19297	10.1549	11.0218	11.6873
2000	1.30291	1.40022	10.7847	149.704	0.873149	1.95462	2.13221	10.4500	11.5288	12.4232
2001	1.25673	1.42474	10.3925	165.491	0.866469	2.00147	2.10605	10.5685	11.3251	13.3943
2002	1.35952	1.29639	11.2123	162.414	0.843483	2.14750	1.88539	9.62844	9.47006	11.9542
2003	1.48597	1.17654	12.2989	158.575	0.832619	1.92047	1.83800	8.82099	9.91886	10.7715
2004	1.55301	1.14016	12.8107	161.161	0.804085	1.86920	1.75738	8.46296	9.37796	10.2351
2005	1.42927	1.21155	11.5345	168.610	0.830055	1.66418	1.87848	9.03881	9.67427	11.3363
2006	1.50440	1.14229	11.7474	178.948	0.766377	1.75308	1.83582	8.51702	9.41017	10.3390
2007	1.58025	1.07346	11.5302	179.947	0.788780	1.56144	1.77857	8.02021	8.55074	10.2088
2008	1.54027	1.10675	10.5271	140.464	1.056570	1.88621	1.63839	8.18003	10.7802	12.0833
2009	1.56769	1.08822	10.7045	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070
2010	1.54003	1.15966	10.1995	125.436	0.997755	1.54142	1.44702	8.64469	9.06742	10.4761
2011	1.53527	1.18654	9.67352	119.321	0.992989	1.56254	1.44453	8.82099	9.20039	10.6293
2012	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.7693	11.3176
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768
2015 Aug.	1.40380	1.25172	8.96933	170.141	0.914997	1.85624	1.35382	9.34143	11.7142	11.8760
2015 Sep.	1.40374	1.25300	8.92961	168.378	0.923574	1.88016	1.36640	9.34719	11.9341	11.7748
2015 Oct.	1.39687	1.26793	8.86942	168.840	0.910075	1.82753	1.38137	9.45600	11.9096	11.8987
2015 Nov.	1.37217	1.29707	8.77855	168.502	0.914411	1.82951	1.41484	9.67661	11.9245	11.9797
2015 Dec.	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016 Jan.	1.38050	1.26419	9.07853	167.040	0.965111	1.94374	1.40783	9.43450	11.9902	11.7571
2016 Feb.	1.38131	1.26866	9.04429	156.641	0.997049	1.86795	1.38394	9.46450	12.0578	11.7931
2016 Mar.	1.40882	1.23744	9.11129	158.675	0.978139	1.82738	1.35529	9.22041	11.6498	11.4779
2016 Apr.	1.41733	1.24294	9.19084	158.372	0.969847	1.77861	1.36390	9.25249	11.4537	11.3943
2016 May	1.40288	1.25774	9.23753	155.846	0.959693	1.83777	1.38913	9.35454	11.7220	11.6901
2016 June	1.39884	1.25999	9.29463	143.941	1.03710	1.81976	1.36527	9.37348	11.7190	11.8640
2016 July	1.39338	1.25383	9.27042	144.912	1.05743	1.81711	1.35799	9.32523	11.9229	12.0072
2016 Aug.	1.39434	1.25255	9.31255	143.561	1.06131	1.82993	1.37245	9.32297	11.6193	11.9107
2016 Sep.	1.39581	1.25062	9.31064	141.089	1.07693	1.83089	1.35980	9.31871	11.2387	12.0301
2016 Oct.	1.37385	1.25511	9.30085	143.979	1.12879	1.84137	1.35874	9.33724	11.3393	12.3613
2016 Nov.	1.35376	1.27293	9.32175	152.149	1.08718	1.81756	1.37312	9.47104	11.4806	12.4014
2016 Dec.	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017 Jan.	1.35883	1.26344	9.34798	154.363	1.09042	1.77055	1.34918	9.39655	11.2295	11.9779
2017 Feb.	1.35389	1.27762	9.30016	152.381	1.08834	1.79364	1.36080	9.49677	11.3315	12.2395
2017 Mar.	1.35685	1.26915	9.35008	152.035	1.08962	1.80596	1.35820	9.43984	11.6359	12.1213
2017 Apr.	1.37102	1.25437	9.45689	152.526	1.05940	1.87309	1.35759	9.33036	11.6961	12.1179
2017 May	1.38432	1.23369	9.45340	153.590	1.07826	1.86883	1.34417	9.17835	11.6445	12.0657
2017 June	1.39139	1.21923	9.43637	155.752	1.07207	1.80560	1.33406	9.06701	11.6696	11.7837
2017 July	1.40775	1.20043	9.46925	155.627	1.07265	1.75757	1.36692	8.92698	11.1701	11.4494
2017 Aug.	1.41339	1.19526	9.32227	156.179	1.09769	1.77182	1.36463	8.89079	11.0907	11.2683
2017 Sep.	1.41330	1.19710	9.39576	159.222	1.05596	1.76379	1.37005	8.90916	11.2676	11.4598
2017 Oct.	1.40469	1.20698	9.31099	158.940	1.06263	1.81106	1.40216	8.98142	11.4951	11.7369
2017 Nov.	1.41542	1.19455	9.35209	158.527	1.05279	1.82419	1.39631	8.88936	11.7541	11.8326
2017 Dec.	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018 Jan.	1.45712	1.16972	9.17406	158.593	1.02897	1.79124	1.35950	8.70496	11.1849	11.4288
2018 Feb.	1.44589	1.18379	9.15466	155.173	1.04457	1.85204	1.36405	8.81516	11.3826	11.9372
2018 Mar.	1.45386	1.17983	9.12359	154.386	1.03379	1.87436	1.39087	8.76017	11.3360	12.1521
2018 Apr.	1.43806	1.19055	9.11835	157.195	1.04777	1.84590	1.42282	8.86965	11.5031	12.4786
2018 May	1.41665	1.21092	9.06939	153.933	1.06307	1.83428	1.39710	9.01356	11.5491	12.4505
2018 June	1.40657	1.20653	9.31828	155.356	1.07049	1.85217	1.39764	8.99167	11.4759	12.6027
2018 July	1.40487	1.19706	9.59647	155.898	1.06728	1.82872	1.38822	8.91798	11.4126	12.2955
2018 Aug.	1.40139	1.20280	9.57341	155.554	1.07754	1.82016	1.35409	8.96789	11.6851	12.7588
2018 Sep.	1.39525	1.20530	9.60126	158.319	1.06990	1.82898	1.36232	8.98723	11.4099	12.3582
2018 Oct.	1.38213	1.22118	9.63577	156.512	1.08198	1.81639	1.38945	9.11170	11.6657	12.6669
2018 Nov.	1.38323	1.21773	9.60412	156.899	1.08446	1.83983	1.38053	9.08694	11.8607	12.5719
2018 Dec.	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768
2019 Jan.	1.40070	1.21927	9.39364	152.564	1.06683	1.84108	1.39089	9.10274	11.7810	12.6277
2019 Feb.	1.39798	1.22458	9.35008	155.021	1.05087	1.84099	1.38854	9.13676	11.9112	12.9179
2019 Mar.	1.38825	1.23565	9.33053	153.985	1.05929	1.85512	1.38256	9.22441	11.9351	12.8859
2019 Apr.	1.38576	1.23530	9.34152	154.789	1.06511	1.86011	1.41237	9.22101	11.9426	13.1801
2019 May	1.37762	1.23542	9.51040	150.615	1.09504	1.86351	1.38444	9.22739	12.0966	13.1570
2019 June	1.39021	1.22163	9.54627	149.698	1.09573	1.81937	1.35532	9.11768	11.8422	12.8891
2019 July	1.37542	1.23345	9.46755	149.315	1.13063	1.80840	1.36159	9.21065	12.0604	13.1541
2019 Aug.	1.36834	1.23989	9.77011	145.632	1.12362	1.82130	1.35363	9.24488	12.4460	13.3967
2019 Sep.	1.36331	1.25200	9.71931	147.169	1.10829	1.80543	1.35697	9.34763	12.3889	13.3668
2019 Oct.	1.37939	1.23668	9.70789	150.119	1.06439	1.81528	1.36208	9.23898	12.6784	13.2827

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

2. Daily rates

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK		
2019 Aug.	1	1.36963	1.24094	9.45081	149.618	1.13164	1.81024	.	9.26484	12.1761	13.2457	
	2	1.37314	1.23639	9.52454	147.077	1.13426	1.81598	1.35302	9.23088	12.2533	13.2736	
	5	1.37464	1.22933	9.66781	145.753	1.13009	.	1.33938	9.17793	12.2589	13.2569	
	6	1.37623	1.23020	9.68232	145.330	1.12963	1.82392	1.34127	9.18274	12.2461	13.2071	
	7	1.37508	1.22753	9.68092	145.965	1.13297	1.83189	1.34628	9.16120	12.2704	13.1850	
	8	1.37605	1.22938	9.69453	146.013	1.13236	1.82423	1.34296	9.17499	12.3159	13.2318	
	9	1.37578	1.22859	9.70205	145.805	1.13814	1.81892	1.33857	9.16918	12.2354	13.1699	
	12	1.37584	1.22909	9.72309	.	1.13833	1.82079	1.33677	9.17305	12.2912	13.1894	
	13	1.37669	1.22678	9.72725	145.144	1.13908	1.82219	1.33236	9.15583	12.2773	13.1941	
	14	1.37552	1.22946	9.64581	146.300	1.13689	1.83095	1.33776	9.17280	12.2989	13.1282	
	15	1.37439	1.23263	9.65614	145.589	1.13651	1.83137	1.33693	9.19422	12.3442	13.2128	
	16	1.37165	1.23840	9.66454	145.601	1.12800	1.82238	1.34470	.	12.3410	13.2662	
	19	1.37215	1.23584	9.66996	145.969	1.13186	1.82468	1.34423	9.21718	12.3162	13.2618	
	20	1.37062	1.23747	9.68017	146.053	1.13509	1.82608	1.34245	9.22662	12.3298	13.2735	
	21	1.37171	1.23533	9.68439	146.046	1.13149	1.82135	1.34400	9.21116	12.2622	13.2796	
	22	1.37010	1.23622	9.69819	145.847	1.12872	1.82127	1.34660	9.21693	12.2868	13.1708	
	23	1.37006	1.23819	9.70874	145.979	1.12134	1.82355	1.35314	9.23182	12.3315	13.2594	
	26	1.37234	1.23457	9.80825	144.439	1.12106	1.82234	1.34455	9.20539	12.3300	13.2331	
	27	1.37184	1.23544	9.82869	145.195	1.11950	1.82002	1.34488	9.21370	12.3446	13.2480	
	28	1.37094	1.23697	9.82502	145.032	1.12280	1.82349	1.34427	9.22501	12.3834	13.2597	
	29	1.36981	1.23719	9.79979	145.091	1.12312	1.82130	1.34618	9.22569	12.4171	13.3277	
	30	1.36834	1.23989	9.77011	145.632	1.12362	.	1.35363	9.24488	12.4460	13.3967	
	Sep.	3	1.36267	1.24593	9.78033	144.852	1.13263	1.81821	1.35000	9.29040	12.4829	13.4632
		4	1.36776	1.24139	9.78675	144.969	1.12020	1.81406	1.34656	9.25883	12.3938	13.3758
		5	1.37017	1.23908	9.78723	145.786	1.11075	1.81246	1.34681	9.24206	12.3080	13.3052
		6	1.36906	1.24156	9.75115	146.558	1.11324	1.80361	1.35640	9.26381	12.3199	13.2540
		9	1.36934	1.24113	9.76849	146.451	1.10649	1.80136	1.35729	9.25866	12.2453	13.1975
		10	1.36939	1.24039	9.72545	147.114	1.11017	1.80116	1.35686	9.25438	12.2954	13.2816
		11	1.36796	1.24326	9.73425	147.247	1.10730	1.80311	1.35866	9.27558	12.2766	13.2438
		12	1.36873	1.24850	9.69706	147.864	1.11094	1.80741	1.35553	9.31654	12.3031	13.2183
13		1.37317	1.23753	.	148.577	1.10272	1.82041	1.35470	9.24172	12.2779	13.1915	
16		1.37095	1.24282	9.68701	.	1.10108	1.81623	1.35882	9.28014	12.3092	13.1714	
17		1.36890	1.24152	9.70732	148.102	1.10360	1.81475	1.36117	9.27059	12.2557	13.2459	
18		1.37032	1.23977	9.71695	148.282	1.09951	1.81855	1.36449	9.25772	12.2619	13.2914	
19		1.37113	1.23894	9.73084	148.261	1.10127	1.81799	1.35886	9.25146	12.2537	13.3507	
20		1.37083	1.24282	9.71657	148.050	1.09658	1.81978	1.35904	9.27980	12.3565	13.2588	
23		1.36774	1.24509	9.74004	.	1.10040	1.81499	1.35570	9.29636	12.4165	13.3220	
24		1.36809	1.24338	9.72053	147.289	1.09935	1.81259	1.35339	9.28315	12.3375	13.2988	
25		1.36806	1.24573	9.74583	146.479	1.10177	1.81542	1.34925	9.29912	12.3714	13.2642	
26		1.36466	1.24763	9.73141	146.987	1.10566	1.80954	1.35695	9.31272	12.3808	13.3140	
27		1.36425	1.24760	9.71808	147.025	1.10856	1.80749	1.35368	9.31472	12.3706	13.3416	
30		1.36331	1.25200	9.71931	147.169	1.10829	1.80543	1.35697	9.34763	12.3889	13.3668	
Oct.		1	1.36202	1.24979	.	147.330	1.10706	1.80386	1.36379	9.33027	12.4308	13.4704
		2	1.36289	1.24750	.	146.974	1.11234	1.81183	1.36187	9.31437	12.4662	13.4748
		3	1.36567	1.24708	.	146.318	1.11098	1.82044	1.36649	9.31021	12.4914	13.5153
		4	1.36776	1.24580	.	146.105	1.10876	.	1.35860	9.30189	12.4475	13.4886
		7	1.36701	1.24353	.	145.997	1.10869	1.81895	1.35929	9.28652	12.4836	13.4812
		8	1.36618	1.24357	9.73596	146.714	1.11817	1.82016	1.35477	9.28816	12.4917	13.5221
		9	1.36569	1.24369	9.74820	146.252	1.11722	1.81965	1.35784	9.28919	12.5025	13.5663
		10	1.36782	1.24009	9.74526	146.808	1.11695	1.81838	1.35776	9.26149	12.4672	13.5413
		11	1.37055	1.24111	9.73075	148.020	1.09099	1.80886	1.36706	9.26964	12.4576	13.4602
		15	1.37073	1.24533	9.70271	148.492	1.08384	1.81088	1.36703	9.30250	12.5347	13.4588
	16	1.37122	1.24374	9.73435	149.025	1.07484	1.81015	1.36855	9.29221	12.6197	13.4401	
	17	1.37612	1.23830	9.75410	149.653	1.06858	1.80864	1.36435	9.25095	12.6214	13.4958	
	18	1.37699	1.23563	9.74678	149.638	1.06785	1.80827	1.36067	9.23037	12.6280	13.3424	
	21	1.37928	1.23448	9.75829	149.638	1.06274	1.80631	1.35921	9.22254	12.5470	13.3207	
	22	1.37809	1.23817	9.75163	.	1.06350	1.80447	1.36224	9.25018	12.6087	13.2714	
	23	1.37617	1.23723	9.73909	149.150	1.07000	1.80086	1.36303	9.24291	12.5920	13.2860	
	24	1.37706	1.23747	9.73018	149.562	1.06819	1.80050	1.36390	9.24445	12.5440	13.1857	
	25	1.37609	1.23894	9.73103	149.581	1.07230	1.79772	1.36460	9.25532	12.6204	13.3080	
	28	1.37547	1.24062	9.70996	149.596	1.07195	1.79582	1.36942	9.26836	12.6673	13.3060	
	29	1.37492	1.23922	9.70704	149.825	1.06989	1.79771	1.36832	9.25772	12.7327	13.3736	
	30	1.37666	1.23957	9.71581	149.836	1.06759	1.81058	1.36599	9.26063	12.7041	13.3809	
	31	1.37939	1.23668	9.70789	150.119	1.06439	1.81528	1.36208	9.23898	12.6784	13.2827	
	Nov.	1	1.38002	1.23891	9.71477	149.014	1.06450	1.81569	1.36146	9.25609	12.5920	13.2778
		4	1.37977	1.23657	9.69396	.	1.06797	1.81412	1.36300	9.23881	12.5720	13.1950
		5	1.37811	1.24053	9.65307	149.897	1.06764	1.81263	1.36564	9.26836	12.5945	13.2162
		6	1.37631	1.24104	9.63447	150.101	1.06815	1.81384	1.36750	9.27222	12.5667	13.2693
		7	1.37609	1.24229	9.62529	149.581	1.07276	1.81313	1.36480	9.28238	12.5118	13.2323
		8	1.37348	1.24478	9.59306	150.191	1.07278	1.81616	1.36936	9.30181	12.5589	13.2523

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

VI. Global exchange rate arrangements and monetary policy framework*

As of end-April 2018

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

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

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

VI. Global exchange rate arrangements and monetary policy framework*

As of end-April 2018

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

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

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

VII. ISO currency codes *

As of end-October 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.

■ Explanatory notes

■ Euro foreign exchange reference rates of the European Central Bank

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

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

Since 4 January 1999, the ECB has published euro foreign exchange reference rates for selected currencies each working day. These rates are calculated on the basis of the daily concertation between central banks which takes place at 14:15 CET. Only one reference rate, i. e. the middle rate, is established by this procedure. The ECB changed the publication time of the euro foreign exchange reference rates from around 14:30 CET to around 16:00 CET with effect from 1 July 2016. For information on the framework for the euro foreign exchange reference rates, see the ECB's website: <https://www.ecb.europa.eu/stats/pdf/exchange/Frameworkfortheeuroforeignexchangereference-rates.en.pdf?c883afa875c74877fdf4634dcb85688c>.

■ Effective 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 p. 52 shows trading partners' membership of the EER-19 and EER-38 groups as well as their percentage weights. To prevent breaks in the time series, the indices of two consecutive weighting periods are chain-linked beyond the end of the first period. For information on the revision of trade weights carried out in August 2017, see the ECB's website (www.ecb.europa.eu/stats/exchange/effective/html/index.en.html).

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

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

■ Indicators of the German economy's price competitiveness

The calculation of indicators of the German economy's price competitiveness, shown as a memo item, is methodologically consistent with the ECB's procedure for determining the effective exchange rates of the euro (see Deutsche Bundesbank, Monthly Report, November 2001, pp. 50-53, May 2007, pp. 31-35 and August 2017, pp. 41-43).

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

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

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

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

Figures in %

As of August 2017

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

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

■ Overview of world currencies

The end-of-month exchange rates listed in Table IV. 1. (pp. 20-42) are the latest rates known to us at the end of a given month; in general, they have been taken from reliable sources (central bank or a commercial bank in the country in question). However, we do not know whether transactions were actually executed at those rates in all cases. If no exchange rates for euro or US dollar are available from a country, we have calculated comparative values at the exchange rates or parities available and identified them with a "V" in the column "type of rate".

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

In addition to the generally accepted currency name and its abbreviation, the three-character alphabetical ISO currency code is specified (see Table VII., pp. 48-49). This was developed by the International Organization for Standardization as ISO Standard 4217. This currency code is designed to enable uniformly abbreviated designations for currency-related values to be used in international financial transactions. This applies, inter alia, to all external payments under the SWIFT system. The ISO code should not, however, be confused with the official national currency abbreviations.

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

■ Value of the special drawing right

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

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

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

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

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

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

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

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

A "freely usable" currency is defined in the IMF's Articles of Agreement to mean a currency that the IMF determines is, in fact, widely used to make payments for international

transactions, and is widely traded in the major exchange markets. The concept of a freely usable currency concerns the actual international use and trading of a currency, and is different from whether a currency is either freely floating or fully convertible. A currency can be widely used and widely traded even if it is subject to some capital account restrictions. On the other hand, a currency that is fully convertible is not necessarily widely used and widely traded.

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

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

Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 2018 (see Table VI., pp. 46-47) is based on the IMF's "Annual Report on Exchange Arrangements and Exchange Restrictions 2018", which can be purchased from the IMF (<http://www.imfbookstore.org>).

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

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

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

The monetary policy frameworks listed are as follows.

Exchange rate anchor

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

Monetary aggregate target

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

Inflation-targeting framework

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

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

Other

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

Explanatory notes on individual countries

Angola

In October, the kwanza was devalued substantially after exchange rate arrangements were loosened further. Calculated using the exchange rates from the end of September and the end of October 2019, the kwanza depreciated by 23.9% against the US dollar and by 25.5% against the euro.

Alongside the official published rates, there is still a black market in which, according to financial information providers, the exchange rate stood at around 600 kwanza to the US dollar in mid-October 2019.

Argentina

In response to the spiralling financial and sovereign debt crisis, capital controls were imposed on 1 September 2019; these controls were adjusted and tightened for the first time on 28 October 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.

Greece

The capital controls imposed on 28 June 2015 were fully lifted by law with effect from 1 September 2019.

Guinea-Bissau

See Explanatory notes on Benin.

India

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

Iran, Islamic Republic of

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

Central bank rate

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

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

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

Bureau de change rate

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

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

Iraq

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

Kenya

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

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 at the end of October 2019.

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.

Zimbabwe

Following the introduction in 2009 of a multiple currency system in which the US dollar was the principal currency, the Zimbabwe dollar was demonetised, i.e. was no longer legal tender, with effect from 1 October 2015. In response to a lack of foreign currency, at end-November 2016 the government additionally issued “bond notes”; although they were officially pegged to the US dollar at the rate of 1:1, their convertibility was effectively limited. These bonds traded at heavy discounts on the black market.

According to press reports, on 20 February 2019 a law was passed which ditched the 1:1 peg between the bond notes and the US dollar, and the RTGS (Real Time Gross Settlement) dollar was declared legal tender. Following a period in which this new currency depreciated considerably, the central bank finally banned the use of foreign currencies and reintroduced the Zimbabwe dollar (ZWL) as the sole legal tender as from 24 June 2019.