



# Exchange rate statistics October 2019

Statistical Supplement 5  
to the Monthly Report

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ISSN 2190-8990

Finalised on 8 October 2019.

The Exchange rate statistics supplement is released once  
a month and published on the basis of Section 18 of the  
Bundesbank Act (*Gesetz über die Deutsche Bundesbank*).

Up-to-date information and time series are also available  
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## Abbreviations and symbols

<b>CU</b>	Currency unit(s)
<b>EC</b>	European Community
<b>ECB</b>	European Central Bank
<b>ECU</b>	European Currency Unit
<b>EER</b>	Effective exchange rate
<b>ERM</b>	Exchange Rate Mechanism
<b>EU</b>	European Union
<b>IMF</b>	International Monetary Fund
<b>ISO</b>	International Organization for Standardization
<b>SDR</b>	Special drawing right
<b>SITC</b>	Standard International Trade Classification
<b>SWIFT</b>	Society for Worldwide Interbank Financial Telecommunication
<b>B</b>	Buying rate
<b>M</b>	Middle rate
<b>S</b>	Selling rate
<b>V</b>	Calculated value
<b>e</b>	Estimated
<b>p</b>	Provisional
<b>r</b>	Revised
<b>.</b>	Data unknown, not to be published or not meaningful
<b>–</b>	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 <sup>1</sup>	
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	

<sup>1</sup> 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	<sup>1</sup> 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	<sup>1</sup> 353.109	<sup>2</sup> 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	<sup>3</sup> 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	<sup>4</sup> 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	<sup>5</sup> 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	<sup>6</sup> 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	<sup>7</sup> 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	<sup>6</sup> 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	<sup>8</sup> 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. <sup>1</sup> According to the EU communiqué of 31 December 1998. <sup>2</sup> Until 31 December 2000; accession to the euro area on 1 January

2001. <sup>3</sup> Until 31 December 2010; accession to the euro area on 1 January 2011. <sup>4</sup> Until 31 December 2014; accession to the euro area on 1 January 2015. <sup>5</sup> Until 31 December 2006; accession to the euro area on 1 January 2007. <sup>6</sup> Until 31 December 2007; accession to the euro area on 1 January 2008. <sup>7</sup> Until 31 December 2013; accession to the euro area on 1 January 2014. <sup>8</sup> 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 July	1	1.9558	7.3970	25.478	7.4647	322.90	4.2427	4.7327	10.5450
	2	1.9558	7.3965	25.462	7.4639	322.91	4.2429	4.7331	10.5565
	3	1.9558	7.3955	25.458	7.4641	322.44	4.2428	4.7349	10.5155
	4	1.9558	7.3985	25.434	7.4633	322.82	4.2439	4.7188	10.5208
	5	1.9558	7.3975	25.471	7.4635	323.41	4.2449	4.7246	10.5575
	8	1.9558	7.3955	25.509	7.4631	324.66	4.2530	4.7200	10.5973
	9	1.9558	7.3954	25.543	7.4634	325.46	4.2630	4.7265	10.6338
	10	1.9558	7.3935	25.565	7.4637	325.90	4.2738	4.7335	10.6093
	11	1.9558	7.3940	25.605	7.4673	325.83	4.2681	4.7340	10.5808
	12	1.9558	7.3938	25.590	7.4673	325.78	4.2675	4.7322	10.5515
	15	1.9558	7.3935	25.569	7.4669	325.66	4.2622	4.7333	10.5563
	16	1.9558	7.3905	25.575	7.4678	325.85	4.2555	4.7316	10.5405
	17	1.9558	7.3895	25.603	7.4669	326.68	4.2641	4.7336	10.5168
	18	1.9558	7.3875	25.586	7.4672	326.46	4.2596	4.7325	10.5040
	19	1.9558	7.3880	25.546	7.4662	325.36	4.2571	4.7309	10.5195
	22	1.9558	7.3875	25.534	7.4660	324.95	4.2480	4.7225	10.5440
	23	1.9558	7.3863	25.549	7.4659	325.50	4.2497	4.7207	10.5695
	24	1.9558	7.3860	25.542	7.4649	325.75	4.2547	4.7190	10.5293
	25	1.9558	7.3839	25.519	7.4648	325.21	4.2472	4.7228	10.4947
	26	1.9558	7.3845	25.542	7.4663	326.45	4.2670	4.7263	10.5585
	29	1.9558	7.3805	25.613	7.4668	327.23	4.2806	4.7287	10.5773
	30	1.9558	7.3807	25.650	7.4666	327.49	4.2912	4.7321	10.6453
	31	1.9558	7.3823	25.658	7.4674	326.48	4.2912	4.7338	10.6645
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

\* See Explanatory notes, p. 51.



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

		Other European and non-European countries							
United Kingdom	Australia	Brazil	Canada	China	Hong Kong	Iceland	India		
Pound sterling GBP	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Period	
0.89718	1.6226	4.3435	1.4866	7.7654	8.8639	141.70	78.2360	2019 July 1	
0.89443	1.6155	4.3381	1.4819	7.7706	8.8194	141.70	77.9280	2	
0.89750	1.6093	4.3640	1.4794	7.7703	8.8054	141.70	77.7470	3	
0.89730	1.6076	4.3098	1.4749	7.7567	8.7899	141.70	77.3335	4	
0.89703	1.6057	4.2895	1.4712	7.7425	8.7758	141.70	77.1095	5	
0.89625	1.6058	4.2752	1.4642	7.7173	8.7482	141.70	76.8955	8	
0.89975	1.6164	4.2650	1.4706	7.7155	8.7508	141.90	76.7810	9	
0.89928	1.6210	4.2585	1.4713	7.7227	8.7692	141.90	76.9510	10	
0.89790	1.6154	4.2169	1.4735	7.7477	8.8264	141.90	77.1495	11	
0.89788	1.6102	4.2271	1.4667	7.7432	8.8033	141.90	77.2420	12	
0.89873	1.6023	4.2100	1.4684	7.7484	8.8201	141.70	77.2205	15	
0.90260	1.5955	4.2210	1.4643	7.7187	8.7736	141.70	77.0870	16	
0.90340	1.6009	4.2183	1.4654	7.7131	8.7636	141.50	77.2335	17	
0.89853	1.5944	4.2164	1.4650	7.7168	8.7654	141.10	77.2775	18	
0.89635	1.5913	4.1889	1.4655	7.7217	8.7621	140.30	77.2545	19	
0.89968	1.5912	4.1983	1.4665	7.7168	8.7585	139.90	77.3085	22	
0.89830	1.5898	4.1878	1.4691	7.6856	8.7266	139.90	77.0150	23	
0.89143	1.5960	4.1948	1.4627	7.6588	8.7038	135.90	76.8285	24	
0.88963	1.5943	4.1771	1.4591	7.6393	8.6851	135.90	76.6750	25	
0.89633	1.6082	4.2053	1.4680	7.6609	8.7078	135.70	76.7400	26	
0.90443	1.6110	4.2104	1.4645	7.6648	8.6937	135.90	76.4740	29	
0.91653	1.6189	4.2237	1.4691	7.6761	8.7259	135.10	76.7575	30	
0.91623	1.6175	4.2180	1.4662	7.6743	8.7289	134.70	76.6965	31	
0.91150	1.6135	4.2223	1.4602	7.6177	8.6367	136.10	76.2720	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	

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

### 1. Daily rates (cont'd)

EUR 1 = CU ...

		Other European and non-European countries (cont'd)								
		Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	
		Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	
2019 July	1	16,016.28	4.0543	122.93	1,318.27	4.6904	21.7024	1.6941	9.6848	
	2	15,976.79	4.0388	122.36	1,318.30	4.6769	21.5491	1.6956	9.6715	
	3	15,970.00	4.0307	121.61	1,321.04	4.6774	21.4816	1.6883	9.6593	
	4	15,961.23	4.0268	121.65	1,319.51	4.6653	21.4305	1.6888	9.6298	
	5	15,899.68	4.0124	121.77	1,318.43	4.6566	21.3872	1.6912	9.6325	
	8	15,824.37	4.0095	121.80	1,322.07	4.6436	21.2581	1.6888	9.6840	
	9	15,832.67	3.9974	121.93	1,325.05	4.6410	21.1827	1.6937	9.6983	
	10	15,853.86	4.0080	122.20	1,325.21	4.6434	21.5421	1.6997	9.6930	
	11	15,872.35	4.0025	121.94	1,324.03	4.6443	21.5886	1.6889	9.6323	
	12	15,794.71	3.9964	121.83	1,326.69	4.6284	21.4670	1.6871	9.6208	
	15	15,712.00	3.9870	121.62	1,329.00	4.6299	21.3466	1.6751	9.6223	
	16	15,644.86	3.9793	121.13	1,322.95	4.6069	21.3118	1.6693	9.5933	
	17	15,678.57	3.9731	121.42	1,324.68	4.6144	21.3942	1.6679	9.6220	
	18	15,669.87	3.9742	120.89	1,321.30	4.6143	21.3786	1.6640	9.6438	
	19	15,662.52	3.9700	120.93	1,319.12	4.6107	21.3542	1.6582	9.6138	
	22	15,639.32	3.9622	121.03	1,320.34	4.6127	21.3416	1.6543	9.6275	
	23	15,598.63	3.9509	120.82	1,317.02	4.6016	21.3081	1.6605	9.6810	
	24	15,568.15	3.9240	120.41	1,311.47	4.5831	21.3211	1.6613	9.6355	
	25	15,535.99	3.9187	120.15	1,312.16	4.5733	21.1145	1.6596	9.6058	
	26	15,568.70	3.9172	121.06	1,317.79	4.5904	21.2038	1.6767	9.6913	
	29	15,588.84	3.9213	120.81	1,316.82	4.5866	21.2046	1.6796	9.6935	
	30	15,637.91	3.8937	121.00	1,317.25	4.6010	21.2437	1.6855	9.7368	
	31	15,639.30	3.8951	121.04	1,318.25	4.6015	21.2005	1.6883	9.7778	
	Aug.	1	15,623.97	3.8864	120.18	1,313.68	4.5734	21.2057	1.6856	9.8120
		2	15,772.45	3.8786	118.57	1,333.44	4.6173	21.4542	1.7026	9.9105
		5	16,006.70	3.9012	118.61	1,359.84	4.6724	21.8221	1.7138	9.9720
		6	15,958.26	3.9088	119.10	1,357.32	4.6840	21.8702	1.7073	9.9545
		7	15,941.29	3.8996	118.48	1,361.74	4.6925	21.9583	1.7411	9.9960
		8	15,903.01	3.8948	118.64	1,353.16	4.6843	21.9250	1.7335	10.0180
		9	15,889.96	3.8951	118.51	1,356.25	4.6858	21.7803	1.7254	9.9588
		12	15,951.00	3.8935	117.69	1,364.55	4.7022	21.9971	1.7352	10.0003
13		16,067.10	3.9145	118.01	1,373.20	4.7104	22.0302	1.7417	10.0078	
14		15,937.31	3.9065	118.48	1,358.50	4.6861	21.8129	1.7400	10.0035	
15		15,911.05	3.9237	118.37	1,353.11	4.6758	21.8595	1.7311	10.0145	
16		15,753.39	3.9309	117.77	1,338.60	4.6281	21.6321	1.7208	9.9653	
19		15,805.12	3.9353	118.34	1,343.14	4.6377	21.8458	1.7296	9.9658	
20		15,794.38	3.9020	117.79	1,337.78	4.6263	21.9445	1.7286	9.9638	
21	15,808.76	3.9160	118.24	1,335.79	4.6387	21.8446	1.7308	9.9263		
22	15,777.10	3.9065	118.13	1,340.99	4.6421	21.8622	1.7380	9.9390		
23	15,726.13	3.8924	117.79	1,341.19	4.6362	22.0041	1.7360	9.9593		
26	15,834.46	3.9083	117.67	1,348.82	4.6748	22.1150	1.7431	9.9873		
27	15,821.87	3.9071	117.43	1,346.43	4.6670	22.1713	1.7415	9.9920		
28	15,792.82	3.9099	117.18	1,345.47	4.6712	22.1393	1.7458	10.0110		
29	15,718.92	3.8997	117.68	1,340.01	4.6696	22.2046	1.7457	10.0365		
30	15,654.57	3.8899	117.28	1,333.21	4.6412	22.1567	1.7490	10.0380		
Sep.	2	15,567.98	3.8793	116.66	1,329.49	4.6269	22.0545	1.7396	9.9788	
	3	15,558.00	3.8793	116.05	1,328.80	4.6162	21.9477	1.7385	10.0190	
	4	15,593.22	3.8838	117.03	1,327.96	4.6273	21.8430	1.7343	9.9838	
	5	15,605.38	3.8837	117.97	1,323.90	4.6327	21.7072	1.7305	9.9332	
	6	15,532.63	3.8780	118.01	1,314.72	4.6098	21.6550	1.7208	9.9230	
	9	15,498.10	3.8906	118.01	1,315.99	4.6015	21.5254	1.7129	9.8663	
	10	15,505.68	3.9085	118.52	1,315.87	4.6053	21.5665	1.7194	9.9125	
	11	15,470.22	3.8990	118.51	1,312.34	4.5987	21.4565	1.7147	9.8745	
	12	15,310.38	3.8870	118.14	1,296.86	4.5664	21.2945	1.7032	9.8543	
	13	15,495.56	3.9133	119.83	1,306.00	4.6209	21.5070	1.7354	9.9213	
	16	15,487.52	3.9023	118.96	1,306.13	4.6088	21.4298	1.7324	9.9043	
	17	15,536.74	3.9227	119.23	1,311.65	4.6149	21.4919	1.7426	9.8715	
	18	15,541.22	3.9075	119.54	1,316.22	4.6246	21.3629	1.7428	9.8905	
	19	15,560.20	3.8889	119.46	1,321.64	4.6385	21.4426	1.7536	9.8905	
20	15,502.67	3.8837	119.11	1,311.24	4.5995	21.4558	1.7579	9.9423		
23	15,472.37	3.8617	118.07	1,315.27	4.5976	21.3353	1.7514	9.9723		
24	15,527.98	3.8555	118.45	1,313.66	4.6009	21.3897	1.7428	9.9225		
25	15,539.53	3.8482	118.00	1,318.39	4.6015	21.5068	1.7435	9.9310		
26	15,496.96	3.8454	117.73	1,313.91	4.5861	21.3975	1.7315	9.9235		
27	15,489.43	3.8096	118.21	1,310.45	4.5796	21.4640	1.7388	9.9155		
30	15,456.94	3.7877	117.59	1,304.83	4.5592	21.4522	1.7375	9.8953		
Oct.	1	15,505.67	3.7907	118.00	1,310.56	4.5712	21.5587	1.7528	9.9463	
	2	15,516.78	3.8121	117.47	1,318.20	4.5825	21.6365	1.7512	9.9930	
	3	15,520.30	3.8282	117.17	1,317.84	4.5857	21.6283	1.7421	10.0165	
	4	15,531.39	3.8254	117.23	1,312.32	4.5953	21.5087	1.7350	9.9915	
	7	15,579.88	3.8405	117.44	1,315.20	4.6094	21.5000	1.7452	10.0388	
	8	15,550.68	3.8566	117.43	1,316.41	4.6070	21.5316	1.7373	10.0450	

\* See Explanatory notes, p. 51.

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

Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States	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	
57.953	71.4725	1.5359	16.0216	1.1141	34.771	6.4272	1.1349	2019 July 1
57.781	71.4958	1.5317	15.9594	1.1169	34.643	6.3891	1.1301	2
57.781	71.8136	1.5318	15.9387	1.1116	34.534	6.3682	1.1293	3
57.683	71.5913	1.5307	15.7869	1.1120	34.603	6.3237	1.1288	4
57.664	71.5048	1.5282	15.8865	1.1126	34.529	6.3135	1.1260	5
57.580	71.5025	1.5247	15.8813	1.1127	34.514	6.4304	1.1215	8
57.529	71.4007	1.5250	15.8712	1.1137	34.551	6.3843	1.1205	9
57.756	71.2695	1.5270	15.8875	1.1133	34.586	6.4398	1.1220	10
57.803	70.9968	1.5288	15.6500	1.1114	34.549	6.3917	1.1285	11
57.559	70.9895	1.5308	15.7072	1.1087	34.789	6.4331	1.1253	12
57.506	70.5998	1.5283	15.6215	1.1071	34.816	6.4258	1.1269	15
57.114	70.3975	1.5234	15.5709	1.1075	34.662	6.4002	1.1223	16
57.342	70.4625	1.5273	15.6611	1.1095	34.705	6.3797	1.1215	17
57.324	70.6478	1.5261	15.6932	1.1064	34.635	6.3852	1.1216	18
57.283	70.7370	1.5259	15.6369	1.1033	34.570	6.3356	1.1226	19
57.321	70.6525	1.5260	15.5802	1.1007	34.593	6.3722	1.1215	22
57.128	70.5611	1.5238	15.4992	1.0985	34.519	6.3534	1.1173	23
56.964	70.3192	1.5196	15.5004	1.0982	34.428	6.3820	1.1140	24
56.797	70.1249	1.5179	15.4679	1.0989	34.306	6.3011	1.1115	25
56.810	70.3184	1.5242	15.7656	1.1053	34.411	6.2613	1.1138	26
56.720	70.6300	1.5250	15.8158	1.1037	34.308	6.2560	1.1119	29
56.701	70.5654	1.5283	15.7801	1.1038	34.360	6.2005	1.1154	30
56.685	70.8041	1.5261	15.8634	1.1041	34.273	6.1610	1.1151	31
56.502	70.5770	1.5178	15.9959	1.0988	34.099	6.1516	1.1037	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

## 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 Aug.	1.9558	7.6326	27.816	7.4551	313.91	4.1919	4.4252	9.1878	0.79730	1.4306
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

\* 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 \*

and non-European countries														
Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia				
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK 1	Indian rupee INR	Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR			Period	
3.0219	1.4548	8.1965	10.3207	-	81.0709	15,603.10	4.6569	137.11	1,364.17	4.2310			2014	Aug.
3.0089	1.4196	7.9207	10.0019	-	78.5676	15,362.85	4.6896	138.39	1,336.02	4.1522				Sep.
3.1018	1.4214	7.7635	9.8309	-	77.7896	15,389.80	4.7249	136.85	1,345.25	4.1436				Oct.
3.1829	1.4136	7.6411	9.6716	-	76.9566	15,177.15	4.7783	145.03	1,370.36	4.1747				Nov.
3.2499	1.4216	7.6330	9.5626	-	77.3781	15,351.19	4.8503	147.06	1,359.97	4.2903				Dec.
3.0639	1.4039	7.2269	9.0102	-	72.2141	14,617.69	4.5856	137.47	1,266.19	4.1648			2015	Jan.
3.1977	1.4199	7.0960	8.8020	-	70.4356	14,504.28	4.4192	134.69	1,250.50	4.0822				Feb.
3.3997	1.3661	6.7623	8.4081	-	67.7387	14,152.16	4.3325	130.41	1,205.92	3.9889				Mar.
3.2800	1.3313	6.6863	8.3550	-	67.6432	13,950.49	4.2456	128.94	1,170.32	3.9118				Apr.
3.4105	1.3568	6.9165	8.6436	-	71.1153	14,650.36	4.3086	134.75	1,220.20	4.0191				May
3.4941	1.3854	6.9587	8.6935	-	71.5873	14,919.43	4.2891	138.74	1,248.79	4.1949				June
3.5405	1.4124	6.8269	8.5236	-	69.9960	14,720.40	4.1679	135.68	1,260.75	4.1824				July
3.9118	1.4637	7.0626	8.6358	-	72.5361	15,370.92	4.2836	137.12	1,313.48	4.5297				Aug.
4.3666	1.4882	7.1462	8.6966	-	74.2990	16,175.76	4.3917	134.85	1,329.94	4.8286				Sep.
4.3599	1.4685	7.1346	8.7073	-	73.1116	15,482.55	4.3414	134.84	1,286.06	4.7818				Oct.
4.0601	1.4248	6.8398	8.3211	-	71.0406	14,685.99	4.1760	131.60	1,239.19	4.6328				Nov.
4.2145	1.4904	7.0193	8.4307	-	72.3851	15,087.43	4.2199	132.36	1,277.56	4.6615				Dec.
4.4021	1.5447	7.1393	8.4509	-	73.2036	15,069.76	4.2903	128.32	1,307.56	4.7162			2016	Jan.
4.3953	1.5317	7.2658	8.6333	-	75.7172	14,985.33	4.3336	127.35	1,349.77	4.6411				Feb.
4.1195	1.4697	7.2220	8.6152	-	74.3018	14,629.58	4.2927	125.39	1,314.89	4.5167				Mar.
4.0374	1.4559	7.3461	8.7954	-	75.3823	14,932.22	4.2812	124.29	1,300.58	4.4232				Apr.
3.9983	1.4626	7.3864	8.7815	-	75.7016	15,188.82	4.3115	123.21	1,329.46	4.5755				May
3.8570	1.4477	7.4023	8.7162	-	75.5592	14,969.03	4.3323	118.45	1,310.59	4.5760				June
3.6263	1.4428	7.3910	8.5858	-	74.3738	14,520.91	4.2686	115.25	1,264.05	4.4471				July
3.5983	1.4557	7.4537	8.6961	-	75.0303	14,757.31	4.2559	113.49	1,245.55	4.5141				Aug.
3.6436	1.4677	7.4819	8.6964	-	74.8220	14,697.52	4.2210	114.22	1,244.12	4.6108				Sep.
3.5158	1.4594	7.4198	8.5533	-	73.5775	14,361.10	4.2110	114.47	1,243.02	4.6040				Oct.
3.6056	1.4519	7.3883	8.3758	-	73.0550	14,398.18	4.1491	116.93	1,256.71	4.6843				Nov.
3.5405	1.4070	7.2983	8.1802	-	71.5390	14,135.71	4.0401	122.39	1,248.48	4.7013				Dec.
3.3929	1.4032	7.3189	8.2332	-	72.2823	14,181.25	4.0543	122.14	1,254.41	4.7318			2017	Jan.
3.3022	1.3942	7.3143	8.2586	-	71.2908	14,186.74	3.9672	120.17	1,215.92	4.7283				Feb.
3.3413	1.4306	7.3692	8.2984	-	70.3238	14,255.46	3.9012	120.68	1,211.23	4.7413				Mar.
3.3620	1.4408	7.3892	8.3364	-	69.2016	14,265.96	3.9153	118.29	1,215.64	4.7224				Apr.
3.5424	1.5041	7.6130	8.6108	-	71.2681	14,730.60	3.9727	124.09	1,245.02	4.7713				May
3.6948	1.4941	7.6459	8.7578	-	72.3798	14,940.12	3.9658	124.58	1,271.29	4.8045				June
3.6928	1.4641	7.7965	8.9893	-	74.1945	15,363.84	4.0899	129.48	1,305.21	4.9389				July
3.7201	1.4889	7.8760	9.2348	-	75.5465	15,753.09	4.2504	129.70	1,335.93	5.0579				Aug.
3.7316	1.4639	7.8257	9.3094	-	76.8002	15,852.42	4.2080	131.92	1,348.89	5.0191				Sep.
3.7503	1.4801	7.7890	9.1763	-	76.4977	15,904.42	4.1265	132.76	1,331.01	4.9716				Oct.
3.8246	1.4978	7.7723	9.1617	-	76.1248	15,875.67	4.1283	132.39	1,292.05	4.8902				Nov.
3.8941	1.5108	7.8073	9.2479	-	76.0663	16,048.79	4.1495	133.64	1,283.39	4.8238				Dec.
3.9170	1.5167	7.8398	9.5394	-	77.6558	16,316.81	4.1753	135.25	1,300.93	4.8249			2018	Jan.
4.0109	1.5526	7.8068	9.6585	124.69	79.5615	16,793.74	4.3173	133.29	1,331.47	4.8318				Feb.
4.0426	1.5943	7.7982	9.6726	122.82	80.2526	16,973.10	4.2775	130.86	1,321.99	4.8155				Mar.
4.1815	1.5622	7.7347	9.6350	122.30	80.6548	16,959.01	4.3425	132.16	1,312.94	4.7734				Apr.
4.2912	1.5197	7.5291	9.2712	122.83	79.7891	16,594.39	4.2397	129.57	1,272.38	4.6891				May
4.4049	1.5327	7.5512	9.1642	124.76	79.1601	16,393.39	4.2096	128.53	1,277.93	4.6717				June
4.4765	1.5356	7.8504	9.1708	124.41	80.2996	16,836.55	4.2595	130.23	1,313.03	4.7327				July
4.5357	1.5063	7.9092	9.0655	124.19	80.4260	16,822.69	4.2330	128.20	1,295.39	4.7277				Aug.
4.8013	1.5211	7.9930	9.1375	128.90	84.2109	17,338.45	4.1858	130.54	1,305.86	4.8265				Sep.
4.3246	1.4935	7.9481	9.0011	134.47	84.5447	17,428.73	4.1996	129.62	1,300.10	4.7761				Oct.
4.2973	1.4998	7.8880	8.9000	139.78	81.5611	16,651.71	4.2122	128.79	1,280.89	4.7548				Nov.
4.4214	1.5278	7.8398	8.9026	137.78	80.6166	16,512.15	4.2736	127.88	1,278.13	4.7459				Dec.
4.2700	1.5196	7.7504	8.9527	136.66	80.7983	16,164.77	4.2075	124.34	1,281.46	4.7001			2019	Jan.
4.2234	1.4995	7.6485	8.9082	136.10	80.8601	15,936.22	4.1162	125.28	1,274.32	4.6272				Feb.
4.3369	1.5104	7.5868	8.8718	135.48	78.5605	16,059.50	4.0885	125.67	1,279.67	4.6090				Mar.
4.3740	1.5035	7.5489	8.8164	135.34	78.0027	15,899.18	4.0413	125.44	1,284.41	4.6237				Apr.
4.4797	1.5058	7.6736	8.7779	137.64	78.0798	16,095.47	4.0184	122.95	1,325.20	4.6665				May
4.3600	1.5011	7.7937	8.8383	140.82	78.4078	16,060.27	4.0624	122.08	1,325.28	4.6968				June
4.2416	1.4693	7.7151	8.7638	139.87	77.1279	15,745.50	3.9758	121.41	1,320.29	4.6258				July
4.4649	1.4768	7.8581	8.7243	137.66	79.1902	15,838.62	3.9046	118.18	1,347.10	4.6599				Aug.
4.5307	1.4578	7.8323	8.6224	137.57	78.5678	15,511.84	3.8769	118.24	1,315.02	4.6056				Sep.

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

### 2. Monthly averages + (cont'd)

EUR 1 = CU ...

Period	Other European and non-European countries (cont'd)										
	Mexico Mexican peso MXN	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United States US dollar USD
2014 Aug.	17.5051	1.5783	8.2522	58.320	48.1781	1.6622	14.2052	1.2118	42.644	2.8784	1.3316
Sep.	17.0717	1.5841	8.1798	57.033	49.0519	1.6295	14.1578	1.2076	41.536	2.8543	1.2901
Oct.	17.0713	1.6090	8.3136	56.807	51.9380	1.6154	14.0266	1.2078	41.139	2.8577	1.2673
Nov.	16.9850	1.5928	8.4912	56.101	57.5193	1.6173	13.8359	1.2027	40.908	2.7885	1.2472
Dec.	17.8692	1.5874	8.9802	55.092	70.3269	1.6213	14.1582	1.2026	40.564	2.8304	1.2331
2015 Jan.	17.0782	1.5213	8.9320	51.791	75.0459	1.5545	13.4598	1.0940	38.056	2.7153	1.1621
Feb.	16.9310	1.5236	8.6188	50.174	73.0742	1.5382	13.1532	1.0618	36.963	2.7958	1.1350
Mar.	16.4941	1.4506	8.6434	48.227	65.1401	1.4913	13.0756	1.0608	35.355	2.8077	1.0838
Apr.	16.4288	1.4217	8.5057	47.863	56.7415	1.4539	12.9588	1.0379	35.072	2.8743	1.0779
May	17.0378	1.5112	8.4103	49.741	56.3735	1.4882	13.3506	1.0391	37.408	2.9491	1.1150
June	17.3467	1.6046	8.7550	50.508	61.2390	1.5091	13.7965	1.0455	37.818	3.0299	1.1213
July	17.5297	1.6542	8.9357	49.814	63.2077	1.4972	13.6973	1.0492	37.760	2.9705	1.0996
Aug.	18.4333	1.7001	9.1815	51.536	73.3597	1.5573	14.3821	1.0777	39.465	3.1826	1.1139
Sep.	18.8821	1.7714	9.3075	52.456	74.8040	1.5879	15.3065	1.0913	40.426	3.3835	1.1221
Oct.	18.6216	1.6794	9.2892	52.070	70.9490	1.5731	15.1579	1.0882	40.092	3.2887	1.1235
Nov.	17.8605	1.6365	9.2572	50.537	69.7899	1.5181	15.1743	1.0833	38.432	3.0849	1.0736
Dec.	18.5500	1.6133	9.4642	51.337	76.3576	1.5321	16.3210	1.0827	39.162	3.1800	1.0877
2016 Jan.	19.6039	1.6654	9.5899	51.654	83.8638	1.5561	17.7592	1.0941	39.249	3.2713	1.0860
Feb.	20.4826	1.6732	9.5628	52.816	85.6158	1.5596	17.4987	1.1018	39.507	3.2638	1.1093
Mar.	19.5943	1.6481	9.4300	51.722	77.9394	1.5247	17.1222	1.0920	39.089	3.2072	1.1100
Apr.	19.8402	1.6458	9.3224	52.598	75.4333	1.5308	16.5695	1.0930	39.780	3.2135	1.1339
May	20.4956	1.6628	9.3036	52.951	74.4745	1.5494	17.3357	1.1059	40.064	3.3230	1.1311
June	20.9430	1.5955	9.3278	52.172	73.1466	1.5205	16.9371	1.0894	39.624	3.2737	1.1229
July	20.5453	1.5514	9.3690	52.102	71.2417	1.4949	15.9449	1.0867	38.794	3.2786	1.1069
Aug.	20.7136	1.5491	9.3030	52.254	72.7952	1.5106	15.4198	1.0881	38.916	3.3206	1.1212
Sep.	21.5034	1.5328	9.1971	53.359	72.2387	1.5240	15.7305	1.0919	38.935	3.3284	1.1212
Oct.	20.8389	1.5409	9.0009	53.304	69.0091	1.5257	15.3593	1.0887	38.666	3.3912	1.1026
Nov.	21.6800	1.5102	9.0807	53.160	69.5321	1.5232	15.0351	1.0758	38.155	3.5500	1.0799
Dec.	21.6189	1.4982	9.0252	52.493	65.3781	1.5137	14.6142	1.0750	37.730	3.6917	1.0543
2017 Jan.	22.6576	1.4923	8.9990	52.800	63.4978	1.5175	14.4012	1.0714	37.645	3.9869	1.0614
Feb.	21.6027	1.4733	8.8603	53.208	62.1520	1.5055	14.0389	1.0660	37.258	3.9011	1.0643
Mar.	20.6333	1.5255	9.0919	53.683	61.9097	1.5013	13.8125	1.0706	37.260	3.9228	1.0685
Apr.	20.1297	1.5389	9.1993	53.441	60.5721	1.4996	14.4384	1.0727	36.967	3.9150	1.0723
May	20.7659	1.5905	9.4001	55.108	63.1641	1.5423	14.6665	1.0904	38.103	3.9463	1.1058
June	20.3786	1.5544	9.4992	56.045	65.1136	1.5541	14.5025	1.0874	38.181	3.9554	1.1229
July	20.5291	1.5658	9.3988	58.306	68.7707	1.5790	15.1351	1.1059	38.834	4.1021	1.1511
Aug.	21.0333	1.6167	9.3201	60.161	70.2902	1.6070	15.6310	1.1398	39.267	4.1436	1.1807
Sep.	21.2431	1.6426	9.3275	60.732	68.6987	1.6084	15.6766	1.1470	39.497	4.1376	1.1915
Oct.	22.1033	1.6695	9.3976	60.471	67.8647	1.5992	16.1145	1.1546	39.069	4.3234	1.1756
Nov.	22.2188	1.7043	9.6082	59.733	69.2093	1.5911	16.5187	1.1640	38.623	4.5714	1.1738
Dec.	22.6384	1.7002	9.8412	59.602	69.4092	1.5938	15.5847	1.1689	38.639	4.5511	1.1836
2018 Jan.	23.0903	1.6800	9.6464	61.733	69.1156	1.6122	14.8910	1.1723	38.913	4.6027	1.2200
Feb.	23.0251	1.6892	9.6712	64.123	70.2041	1.6294	14.6041	1.1542	38.888	4.6710	1.2348
Mar.	22.9932	1.7001	9.5848	64.289	70.5195	1.6222	14.6218	1.1685	38.581	4.7993	1.2336
Apr.	22.5610	1.6942	9.6202	63.901	75.0983	1.6156	14.8756	1.1890	38.451	5.0003	1.2276
May	23.0985	1.6996	9.5642	61.746	73.6504	1.5819	14.8182	1.1780	37.781	5.2501	1.1812
June	23.7134	1.6822	9.4746	62.038	73.2934	1.5737	15.5262	1.1562	37.930	5.4073	1.1678
July	22.2481	1.7220	9.4975	62.394	73.3942	1.5931	15.6599	1.1622	38.894	5.5748	1.1686
Aug.	21.7835	1.7315	9.6161	61.539	76.6684	1.5807	16.2808	1.1413	38.146	6.8488	1.1549
Sep.	22.1891	1.7674	9.6205	62.957	78.8756	1.5986	17.2295	1.1286	38.013	7.3840	1.1659
Oct.	21.9950	1.7586	9.4793	61.950	75.6102	1.5843	16.6548	1.1413	37.652	6.6919	1.1484
Nov.	23.0062	1.6779	9.6272	59.958	75.5508	1.5629	16.0114	1.1377	37.470	6.0896	1.1367
Dec.	22.8889	1.6675	9.8055	60.135	76.6804	1.5595	16.1870	1.1293	37.238	6.0630	1.1384
2019 Jan.	21.8985	1.6850	9.7631	59.882	76.3055	1.5486	15.8170	1.1297	36.318	6.1365	1.1416
Feb.	21.7766	1.6605	9.7444	59.207	74.7184	1.5365	15.6879	1.1368	35.532	5.9888	1.1351
Mar.	21.7363	1.6540	9.7181	59.358	73.6288	1.5306	16.2507	1.1311	35.869	6.1983	1.1302
Apr.	21.3367	1.6720	9.6233	58.470	72.6571	1.5239	15.8959	1.1319	35.800	6.4707	1.1238
May	21.3926	1.7057	9.7794	58.483	72.6164	1.5340	16.1371	1.1304	35.570	6.7694	1.1185
June	21.7827	1.7119	9.7465	58.425	72.4028	1.5390	16.4749	1.1167	35.139	6.5619	1.1293
July	21.3614	1.6790	9.6587	57.338	70.9068	1.5268	15.7412	1.1076	34.550	6.3528	1.1218
Aug.	21.8925	1.7303	9.9742	58.075	73.2161	1.5408	16.8632	1.0892	34.218	6.2869	1.1126
Sep.	21.5374	1.7345	9.9203	57.306	71.4106	1.5183	16.3207	1.0903	33.639	6.2765	1.1004

\* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Discontinuation of the minimum exchange rate on 15 January 2015.

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

### 3. End-of-year rates and annual averages

EUR 1 = CU ...

EU member countries										
Period	Bulgaria Bulgarian lev BGN	Croatia Kuna HRK 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	
<b>End of year</b>										
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	–	–	
<b>Annual averages +</b>										
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	
<b>End of year</b>										
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
<b>Annual averages +</b>										
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 \*

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

EUR 1 = CU ...

Other European and non-European countries (cont'd)										
Period	China Chinese yuan renminbi CNY <sup>1</sup>	Hong Kong Hong Kong dollar HKD	Iceland Icelandic krona ISK <sup>2</sup>	India Indian rupee INR <sup>3</sup>	Indonesia Indonesian rupiah IDR <sup>1</sup>	Israel New shekel ILS <sup>4</sup>	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR <sup>1</sup>	Mexico Mexican peso MXN <sup>5</sup>
<b>End of year</b>										
2005	9.5204	9.1474	74.57	53.1130	11,596.45	5.4334	138.90	1,184.42	4.4584	12.5945
2006	10.2793	10.2409	93.13	58.2180	11,844.44	5.5677	156.93	1,224.81	4.6490	14.2899
2007	10.7524	11.4800	91.90	57.8620	13,826.70	5.6539	164.93	1,377.96	4.8682	16.0732
2008	9.4956	10.7858	2	67.4370	15,239.12	5.2919	126.14	1,839.13	4.8048	19.2333
2009	9.8350	11.1709	–	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223
2010	8.8220	10.3856	–	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475
2011	8.1588	10.0510	–	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512
2012	8.2207	10.2260	–	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845
2013	8.3491	10.6933	–	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731
2014	7.5358	9.4170	–	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679
2015	7.0608	8.4376	–	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145
2016	7.3202	8.1751	–	71.5935	14,173.43	4.0477	123.40	1,269.36	4.7287	21.7719
2017	7.8044	9.3720	–	76.6055	16,239.12	4.1635	135.01	1,279.61	4.8536	23.6612
2018	7.8751	8.9675	133.20	79.7298	16,500.00	4.2972	125.85	1,277.93	4.7317	22.4921
<b>Annual averages +</b>										
2005	10.1955	9.6768	78.23	54.8117	12,072.83	5.5807	136.85	1,273.61	4.7119	13.5643
2006	10.0096	9.7545	87.76	56.8435	11,512.37	5.5920	146.02	1,198.58	4.6044	13.6936
2007	10.4178	10.6912	87.63	56.4186	12,528.33	5.6278	161.25	1,272.99	4.7076	14.9743
2008	10.2236	11.4541	2	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911
2009	9.5277	10.8114	–	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989
2010	8.9712	10.2994	–	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373
2011	8.9960	10.8362	–	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877
2012	8.1052	9.9663	–	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029
2013	8.1646	10.3016	–	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641
2014	8.1857	10.3025	–	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550
2015	6.9733	8.6014	–	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157
2016	7.3522	8.5922	–	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673
2017	7.6290	8.8045	–	73.5324	15,118.01	4.0622	126.71	1,276.74	4.8527	21.3286
2018	7.8081	9.2559	2	80.7332	16,803.22	4.2423	130.40	1,299.07	4.7634	22.7054
<b>Other European and non-European countries (cont'd)</b>										
Period	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP <sup>1</sup>	Russian Federation Russian rouble RUB <sup>1</sup>	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB <sup>1</sup>	Turkey Turkish lira <sup>6</sup>	United States US dollar USD
<b>End of year</b>										
2005	1.7270	7.9850	62.719	33.9200	1.9628	7.4642	1.5551	48.437	1.5924	1.1797
2006	1.8725	8.2380	64.546	34.6800	2.0202	9.2124	1.6069	46.770	1.8640	1.3170
2007	1.9024	7.9580	60.724	35.9860	2.1163	10.0298	1.6547	43.800	1.7170	1.4721
2008	2.4191	9.7500	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2.1488	1.3917
2009	1.9803	8.3000	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	1.4406
2010	1.7200	7.8000	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	1.3362
2011	1.6737	7.7540	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	1.2939
2012	1.6045	7.3483	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	1.3194
2013	1.6762	8.3630	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	1.3791
2014	1.5525	9.0420	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	1.2141
2015	1.5923	9.6030	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	1.0887
2016	1.5158	9.0863	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	1.0541
2017	1.6850	9.8403	59.795	69.3920	1.6024	14.8054	1.1702	39.121	4.5464	1.1993
2018	1.7056	9.9483	60.113	79.7153	1.5591	16.4594	1.1269	37.052	6.0588	1.1450
<b>Annual averages +</b>										
2005	1.7660	8.0092	68.494	35.1884	2.0702	7.9183	1.5483	50.068	1.6771	1.2441
2006	1.9373	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1.8090	1.2556
2007	1.8627	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1.7865	1.3705
2008	2.0770	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1.9064	1.4708
2009	2.2121	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	1.3948
2010	1.8377	8.0043	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	1.3257
2011	1.7600	7.7934	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	1.3920
2012	1.5867	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	1.2848
2013	1.6206	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	1.3281
2014	1.5995	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	1.3285
2015	1.5930	8.9496	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	1.1095
2016	1.5886	9.2906	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	1.1069
2017	1.5897	9.3270	56.973	65.9383	1.5588	15.0490	1.1117	38.296	4.1206	1.1297
2018	1.7065	9.5975	62.210	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	1.1810

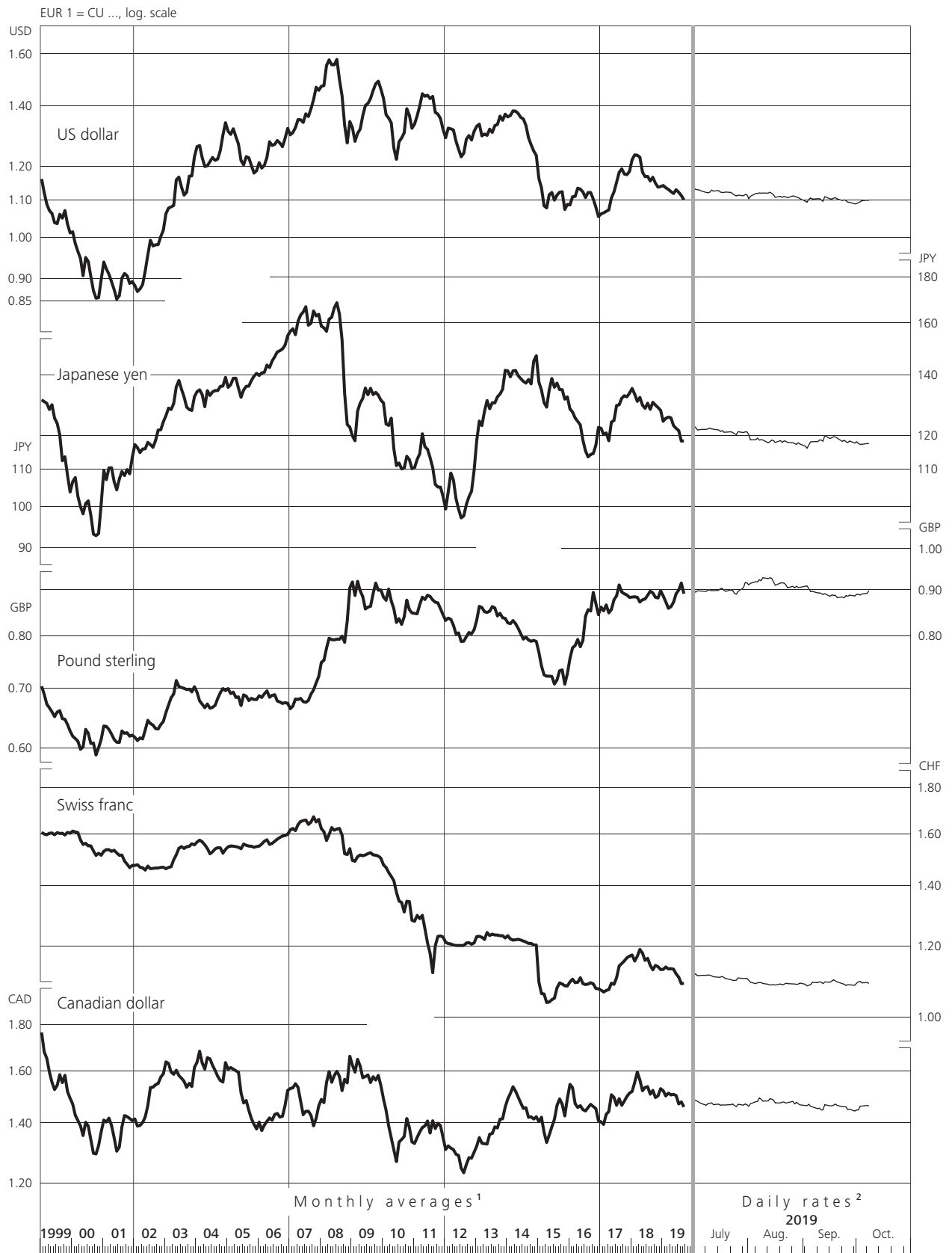
\* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. <sup>1</sup> Up to March 2005, ECB indicative rates. <sup>2</sup> The ECB did not fix euro foreign exchange reference

rates for the Icelandic krona from 4 December 2008 to 31 January 2018. <sup>3</sup> Up to December 2008, ECB indicative rates. <sup>4</sup> Up to December 2010, ECB indicative rates. <sup>5</sup> Up to December 2007, ECB indicative rates. <sup>6</sup> Up to end-2008, New Turkish lira.



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

### 4. Exchange rates of major currencies



<sup>1</sup> Last monthly average: September 2019. <sup>2</sup> Last updated: 8 October 2019.

### III. Effective exchange rates of the euro \*

#### 1. Annual and monthly averages

Q1 1999 = 100

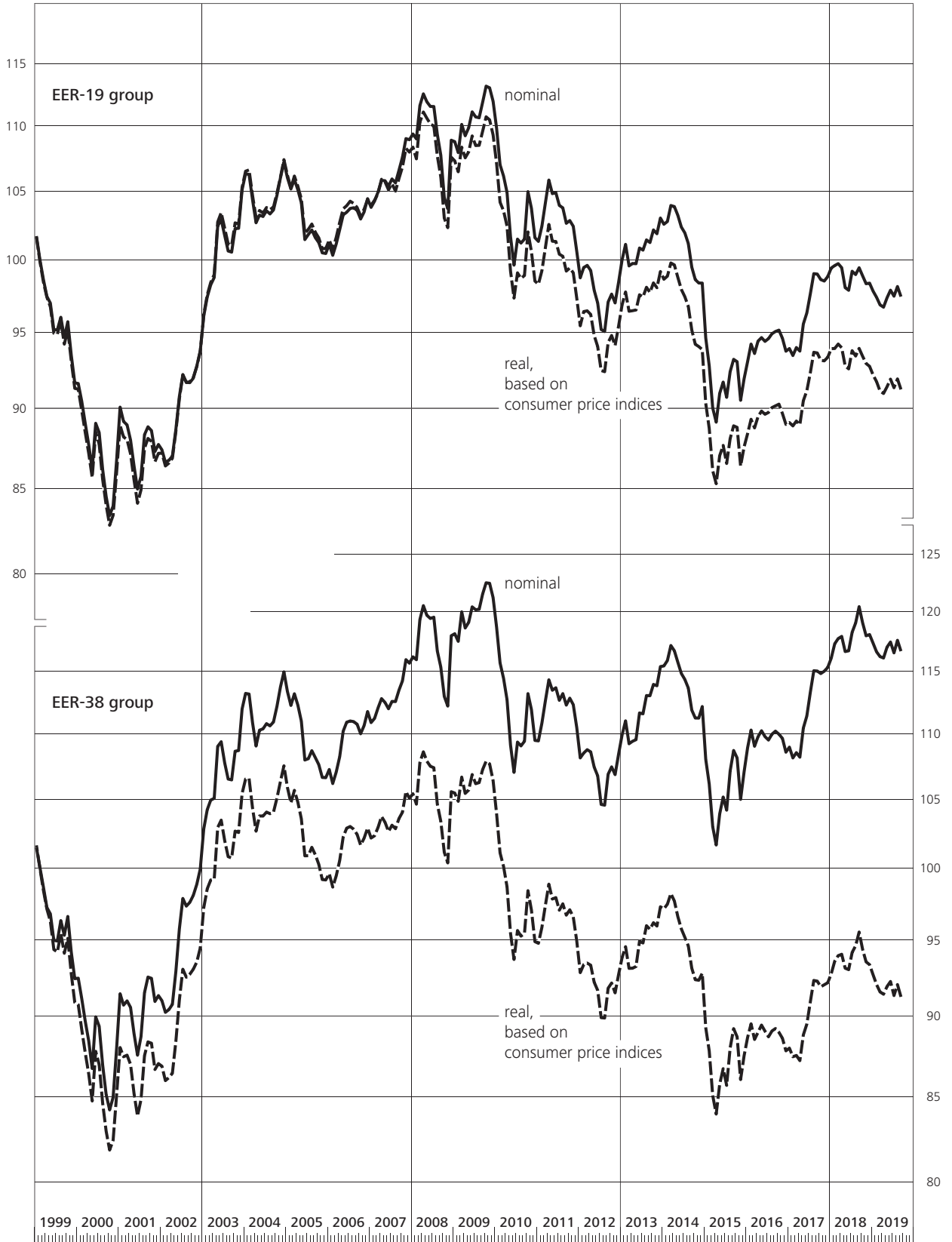
Period	Effective exchange rate of the euro vis-à-vis the currencies of the group <sup>1</sup>				Memo item: Indicators of the German economy's price competitiveness based on consumer price indices vis-à-vis					
	EER-19		EER-38 <sup>2</sup>		26 selected industrial countries			37 countries	56 countries	
	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	97.5	98.7	94.2	106.0	93.6	92.0	
2011	103.3	100.0	112.3	96.9	98.2	93.8	105.0	92.8	91.3	
2012	97.7	94.7	107.2	92.1	95.9	93.3	99.8	89.8	88.3	
2013	101.0	97.5	111.8	94.9	98.2	93.4	105.8	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	98.0	94.4	103.3	90.3	p 90.4	
2015 Dec.	91.9	87.6	107.1	87.5	94.3	93.9	94.5	86.8	86.5	
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 87.2	
Apr.	94.4	89.5	109.8	p 89.0	95.5	94.3	97.2	88.1	p 87.7	
May	94.6	89.8	110.2	p 89.4	95.3	94.1	96.8	88.2	p 87.9	
June	94.4	89.6	109.8	p 89.0	95.1	94.1	96.2	88.1	p 87.6	
July	94.6	89.7	109.5	p 88.7	95.3	94.1	96.9	88.1	p 87.4	
Aug.	94.9	90.0	110.0	p 89.1	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	93.7	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	90.5	p 90.1	
Mar.	99.7	94.2	117.7	p 94.0	98.5	94.4	104.9	90.7	p 90.4	
Apr.	99.5	94.0	117.9	p 94.0	98.6	94.4	105.1	90.6	p 90.5	
May	98.1	92.7	116.6	p 93.1	98.1	94.5	103.6	90.1	p 90.0	
June	97.9	92.6	116.7	p 93.0	97.8	94.5	102.8	89.9	p 90.0	
July	99.2	93.8	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	97.6	94.4	102.3	90.3	p 90.7	
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	97.4	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	97.2	94.6	101.2	89.7	p 89.8	
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	p 96.8	p 94.3	100.4	p 89.5	p 89.5	
Sep.	97.4	p 91.2	116.7	p 91.2	p 96.4	p 94.3	p 99.3	p 89.2	p 89.1	

\* See Explanatory notes, p. 51. <sup>1</sup> Source: ECB. <sup>2</sup> 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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month			
					July 2019	August 2019	September 2019	
<b>Afghanistan</b>								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 72.3703	AFN 78.8875	AFN 77.9250	AFN 78.2060	
		S	USD 1 =	AFN 72.4703	AFN 78.9875	AFN 78.0250	AFN 78.3060	
	AFN	B	EUR 1 =	AFN 85.1413	AFN 88.1750	AFN 86.1700	AFN 85.6093	
		S	EUR 1 =	AFN 85.4013	AFN 88.4350	AFN 86.4300	AFN 85.8693	
	<b>Albania</b>							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 107.90	ALL 109.07	ALL 110.59	ALL 111.70
M			EUR 1 =	ALL 127.49	ALL 121.64	ALL 122.12	ALL 122.11	
<b>Algeria</b>								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 116.6712	DZD 119.6740	DZD 120.0589	DZD 120.6491	
		S	USD 1 =	DZD 116.6862	DZD 119.6890	DZD 120.0739	DZD 120.6641	
	DZD	B	EUR 1 =	DZD 137.5913	DZD 133.2450	DZD 132.5330	DZD 131.4472	
		S	EUR 1 =	DZD 137.6362	DZD 133.2737	DZD 132.5976	DZD 131.4877	
<b>Angola <sup>1</sup></b>								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 258.279	AOA 347.817	AOA 358.346	AOA 374.211	
		S	USD 1 =	AOA 259.059	AOA 351.330	AOA 365.659	AOA 381.848	
	AOA	B	EUR 1 =	AOA 303.343	AOA 387.781	AOA 395.757	AOA 408.676	
		S	EUR 1 =	AOA 304.296	AOA 391.557	AOA 403.688	AOA 416.978	
<b>Antigua and Barbuda</b>								
St John's 459	East Caribbean dollar = 100 cents	<sup>2</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		<sup>2</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 3.1748	XCD 2.9976	XCD 2.9667	XCD 2.9272	
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0296	XCD 2.9984	XCD 2.9584	
<b>Argentina <sup>1</sup></b>								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 27.9603	ARS 43.6800	ARS 59.3100	ARS 57.3900	
		S	USD 1 =	ARS 28.0933	ARS 43.8800	ARS 59.5100	ARS 57.5900	
	ARS	B	EUR 1 =	ARS 32.7610	ARS 48.5023	ARS 65.0038	ARS 62.4805	
		S	EUR 1 =	ARS 32.9871	ARS 48.8341	ARS 65.3717	ARS 62.8422	
<b>Armenia</b>								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 483.02	AMD 475.81	AMD 476.10	AMD 475.97	
		M	EUR 1 =	AMD 570.42	AMD 530.28	AMD 525.71	AMD 519.81	
<b>Aruba</b>								
Oranjestad 474	Aruban florin = 100 cents	<sup>2</sup> B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78	
		<sup>2</sup> S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80	
	AWG	B	EUR 100 =	AWG 210.14	AWG 198.54	AWG 196.58	AWG 194.27	
		S	EUR 100 =	AWG 212.25	AWG 200.54	AWG 198.56	AWG 196.22	

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 57 ff. <sup>2</sup> 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		
					July 2019	August 2019	September 2019
<b>Australia</b>							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7479	USD 0.6894	USD 0.6718	USD 0.6749
		M	AUD 1 =	EUR 0.6313	EUR 0.6179	EUR 0.6081	EUR 0.6171
<b>Austria</b>							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Azerbaijan</b>							
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 1.8964	AZN 1.8777	AZN 1.8592
<b>Bahamas</b>							
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 1.10952	BSD 1.09808	BSD 1.08346
		V, S	EUR 1 =	BSD 1.19576	BSD 1.12904	BSD 1.11740	BSD 1.10251
<b>Bahrain</b>							
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 0.4075455	BHD 0.4050041	BHD 0.3999019
S	EUR 1 =	BHD 0.4578762	BHD 0.4327545	BHD 0.4300559	BHD 0.4246381		
<b>Bangladesh <sup>1</sup></b>							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 83.5083	BDT 84.5000	BDT 84.5000	BDT 84.5000
		S	USD 1 =	BDT 83.5125	BDT 84.5000	BDT 84.5000	BDT 84.5000
		B	EUR 1 =	BDT 98.2612	BDT 93.5753	BDT 92.8571	BDT 92.4261
S	EUR 1 =	BDT 98.2898	BDT 93.6007	BDT 92.8909	BDT 92.4430		
<b>Barbados</b>							
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 2.22183	BBD 2.20092	BBD 2.17573
S	EUR 1 =	BBD 2.39134	BBD 2.26348	BBD 2.24218	BBD 2.21652		
<b>Belarus</b>							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.0439	BYN 2.0348	BYN 2.0980	BYN 2.0743
		M	EUR 1 =	BYN 2.4113	BYN 2.2668	BYN 2.3160	BYN 2.2651

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Belgium</b>							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Belize</b>							
Belmopan 421	Belize dollar = 100 cents	<sup>2</sup> B	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
		<sup>2</sup> S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
	B	EUR 1 =	BZD 2.3365	BZD 2.2087	BZD 2.1905	BZD 2.1613	
	BZD	S	EUR 1 =	BZD 2.3777	BZD 2.2477	BZD 2.2291	BZD 2.1995
<b>Benin <sup>1</sup></b>							
Porto-Novo Seat of government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 594.379	XOF 602.403
		<sup>3</sup>	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Bermuda</b>							
Hamilton 413	Bermudian dollar = 100 cents	<sup>2</sup> B	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
		<sup>2</sup> S	USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
	V, B	EUR 1 =	BMD 1.1763	BMD 1.1106	BMD 1.0992	BMD 1.0845	
	V, S	EUR 1 =	BMD 1.1861	BMD 1.1199	BMD 1.1083	BMD 1.0936	
<b>Bhutan <sup>1</sup></b>							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 67.47	BTN 67.85	BTN 70.70	BTN 69.70
		S	USD 1 =	BTN 69.63	BTN 69.95	BTN 72.90	BTN 71.90
	B	EUR 1 =	BTN 79.54	BTN 75.55	BTN 78.25	BTN 76.05	
	S	EUR 1 =	BTN 81.75	BTN 77.60	BTN 80.45	BTN 78.20	
<b>Bolivia, Plurinational State of</b>							
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 7.6496	BOB 7.5707	BOB 7.4699
		V, S	EUR 1 =	BOB 8.2178	BOB 7.7611	BOB 7.6811	BOB 7.5787
<b>Bosnia and Herzegovina</b>							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.655251	BAM 1.749095	BAM 1.762049	BAM 1.784125
		S	USD 1 =	BAM 1.663548	BAM 1.757863	BAM 1.770881	BAM 1.793067
	BAM	<sup>3</sup>	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
<b>Botswana</b>							
Gaborone 391	Pula = 100 thebe	B	BWP 1 =	USD 0.0982	USD 0.0936	USD 0.0904	USD 0.0907
		S	BWP 1 =	USD 0.0980	USD 0.0933	USD 0.0901	USD 0.0905
	B	BWP 1 =	EUR 0.0833	EUR 0.0839	EUR 0.0819	EUR 0.0830	
	S	BWP 1 =	EUR 0.0831	EUR 0.0837	EUR 0.0817	EUR 0.0828	

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Brazil</b>							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.6555	BRL 3.7643	BRL 4.1379	BRL 4.1638
		S	USD 1 =	BRL 3.6561	BRL 3.7649	BRL 4.1385	BRL 4.1644
	B	EUR 1 =	BRL 4.3257	BRL 4.1893	BRL 4.5463	BRL 4.5402	
	BRL	S	EUR 1 =	BRL 4.3276	BRL 4.1907	BRL 4.5482	BRL 4.5425
<b>Brunei Darussalam <sup>1</sup></b>							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3412	BND 1.3619	BND 1.3780	BND 1.3719
		S	USD 1 =	BND 1.3596	BND 1.3800	BND 1.3967	BND 1.3904
	B	EUR 1 =	BND 1.5653	BND 1.5044	BND 1.4992	BND 1.4854	
	BND	S	EUR 1 =	BND 1.6201	BND 1.5586	BND 1.5545	BND 1.5405
<b>Bulgaria</b>							
Sofia 068	Bulgarian lev = 100 stotinkas	M	USD 1 =	BGN 1.65820	BGN 1.75395	BGN 1.77223	BGN 1.79615
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
	BGN						
<b>Burkina Faso <sup>1</sup></b>							
Ouagadougou 236	CFA franc	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 594.379	XOF 602.403
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
	XOF						
<b>Burundi</b>							
Gitega 328	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,766.7631	BIF 1,832.8266	BIF 1,837.8459	BIF 1,844.7957
		S	USD 1 =	BIF 1,802.4553	BIF 1,869.8534	BIF 1,874.9741	BIF 1,882.0643
	B	EUR 1 =	BIF 2,084.1976	BIF 2,044.9763	BIF 2,040.0089	BIF 2,017.3764	
	BIF	S	EUR 1 =	BIF 2,126.3026	BIF 2,086.2889	BIF 2,081.2213	BIF 2,058.1314
<b>Cabo Verde</b>							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 93.368	CVE 98.756	CVE 99.488	CVE 100.736
		S	USD 1 =	CVE 93.570	CVE 98.958	CVE 99.690	CVE 100.938
	2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265	
	CVE						
<b>Cambodia</b>							
Phnom Penh 696	Riel = 100 sen	M	USD 1 =	KHR 4,044	KHR 4,086	KHR 4,088	KHR 4,095
		B	EUR 1 =	KHR 4,766	KHR 4,558	KHR 4,520	KHR 4,480
	S	EUR 1 =	KHR 4,814	KHR 4,604	KHR 4,565	KHR 4,524	
	KHR						
<b>Cameroon <sup>1</sup></b>							
Yaoundé 302	CFA franc	V	USD 1 =	XAF 555.425	XAF 588.249	XAF 594.379	XAF 602.403
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
	XAF						
<b>Canada</b>							
Ottawa 404	Canadian dollar = 100 cents	M	USD 1 =	CAD 1.2957	CAD 1.3148	CAD 1.3295	CAD 1.3243
		M	EUR 1 =	CAD 1.5313	CAD 1.4627	CAD 1.4629	CAD 1.4438
	CAD						

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Cayman Islands</b>							
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 0.9293	KYD 0.9197	KYD 0.9074
<b>Central African Republic <sup>1</sup></b>							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 588.249	XAF 594.379	XAF 602.403
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Chad <sup>1</sup></b>							
N'Djaména 244	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 588.249	XAF 594.379	XAF 602.403
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Chile</b>							
Santiago 512	Chilean peso = 100 centavos CLP	M	USD 1 =	CLP 641.12	CLP 699.98	CLP 720.65	CLP 725.68
		M	EUR 1 =	CLP 756.15	CLP 780.79	CLP 796.56	CLP 794.31
<b>China</b>							
Beijing 720	Chinese renminbi <sup>4</sup> 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.6185	CNY 6.8841	CNY 7.0879	CNY 7.0729
		M	EUR 1 =	CNY 7.8113	CNY 7.6803	CNY 7.8661	CNY 7.7538
		M	HKD 1 =	CNY 0.84482	CNY 0.87984	CNY 0.90332	CNY 0.90201
<b>China (Taiwan)</b>							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.110	TWD 31.040	TWD 31.340	TWD 30.990
		S	USD 1 =	TWD 30.210	TWD 31.140	TWD 31.440	TWD 31.090
		B	EUR 1 =	TWD 35.42	TWD 34.48	TWD 34.45	TWD 33.75
S	EUR 1 =	TWD 35.82	TWD 34.88	TWD 34.85	TWD 34.15		
<b>Colombia</b>							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 2,958.634	COP 3,296.85	COP 3,464.15	COP 3,462.01
		V, M	EUR 1 =	COP 3,488.850	COP 3,676.317	COP 3,823.036	COP 3,769.783
<b>Comoros</b>							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 416.56880	KMF 441.18711	KMF 445.78448	KMF 451.80251
		3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
<b>Congo <sup>1</sup></b>							
Brazzaville 318	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 588.249	XAF 594.379	XAF 602.403
		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. <sup>1</sup> See Explanatory notes on individual countries, pp. 57 ff.

<sup>2</sup> Value against the US dollar. <sup>3</sup> Value against the euro. <sup>4</sup> 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		
					July 2019	August 2019	September 2019
<b>Congo, Democratic Republic of the</b>							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,591.7807	CDF 1,612.9719	CDF 1,620.3167	CDF 1,620.7829
		S	USD 1 =	CDF 1,656.7522	CDF 1,678.8075	CDF 1,686.4521	CDF 1,686.9374
	CDF	B	EUR 1 =	CDF 1,876.6535	CDF 1,836.1523	CDF 1,798.6160	CDF 1,772.6116
		S	EUR 1 =	CDF 1,953.2516	CDF 1,911.0973	CDF 1,871.9041	CDF 1,844.9631
<b>Cook Islands <sup>1</sup></b>							
Avarua 837	Cook Islands dollar <sup>2</sup> = 100 cents	B	NZD 1 =	EUR 0.5993	EUR 0.6064	EUR 0.5847	EUR 0.5873
		S	NZD 1 =	EUR 0.5735	EUR 0.5799	EUR 0.5589	EUR 0.5614
	NZD						
<b>Costa Rica</b>							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 575.06	CRC 567.11	CRC 567.66	CRC 577.93
		S	USD 1 =	CRC 581.56	CRC 573.46	CRC 575.16	CRC 583.88
	CRC	V, B	EUR 1 =	CRC 677.7717	CRC 632.3844	CRC 626.4696	CRC 629.3080
		V, S	EUR 1 =	CRC 685.4209	CRC 639.4652	CRC 634.7466	CRC 635.7869
<b>Côte d'Ivoire <sup>1</sup></b>							
Yamoussoukro Seat of government: Abidjan 272	CFA franc	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 594.379	XOF 602.403
		<sup>3</sup>	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Croatia</b>							
Zagreb 092	Kuna = 100 lipa	B	USD 1 =	HRK 6.260285	HRK 6.595187	HRK 6.678424	HRK 6.754583
		S	USD 1 =	HRK 6.297960	HRK 6.634877	HRK 6.718616	HRK 6.795233
	HRK	B	EUR 1 =	HRK 7.391647	HRK 7.350996	HRK 7.374316	HRK 7.380057
		S	EUR 1 =	HRK 7.436130	HRK 7.395234	HRK 7.418696	HRK 7.424471
<b>Cuba <sup>1</sup></b>							
Havana 448	Convertible peso/ Cuban peso = 100 centavos	<sup>4</sup> B	CUC 1 =	USD 1.01464	USD 1.01009	USD 1.01009	USD 1.01009
		<sup>4</sup> S	CUC 1 =	USD 0.98589	USD 0.99010	USD 0.99010	USD 0.99010
	CUC/CUP	B	EUR 1 =	CUC 1.16158	CUC 1.10399	CUC 1.09409	CUC 1.08310
		S	EUR 1 =	CUC 1.19594	CUC 1.12631	CUC 1.11621	CUC 1.10500
<b>Curaçao</b>							
Willemstad 477	Netherlands Antillean guilder = 100 cents	<sup>4</sup> B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		<sup>4</sup> S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 210.14	ANG 198.55	ANG 196.59	ANG 194.28
		S	EUR 100 =	ANG 214.38	ANG 202.55	ANG 200.55	ANG 198.19
<b>Cyprus</b>							
Nicosia 600	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Czechia</b>							
Prague 061	Czech koruna = 100 heller  CZK	M	USD 1 =	CZK 21.735	CZK 23.014	CZK 23.484	CZK 23.707
		M	EUR 1 =	CZK 25.677	CZK 25.660	CZK 25.915	CZK 25.815

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

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Denmark</b>							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 631.74	DKK 669.66	DKK 675.63	DKK 685.66
		M	EUR 100 =	DKK 745.32	DKK 746.74	DKK 745.62	DKK 746.62
<b>Djibouti</b>							
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 195.72	DJF 194.44	DJF 191.88
		S	EUR 1 =	DJF 215.40	DJF 203.36	DJF 202.03	DJF 199.37
<b>Dominica</b>							
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 2.9976	XCD 2.9667	XCD 2.9272
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0296	XCD 2.9984	XCD 2.9584
<b>Dominican Republic</b>							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 49.1931	DOP 50.6806	DOP 50.9174	DOP 51.7187
		S	USD 1 =	DOP 49.6149	DOP 51.1545	DOP 51.4510	DOP 52.2922
		B	EUR 1 =	DOP 57.5023	DOP 56.0940	DOP 56.1736	DOP 56.2507
		S	EUR 1 =	DOP 60.8134	DOP 59.6480	DOP 59.6928	DOP 59.7849
<b>Egypt</b>							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 17.7158	EGP 16.53	EGP 16.50	EGP 16.23
		S	USD 1 =	EGP 17.8158	EGP 16.63	EGP 16.60	EGP 16.33
		B	EUR 1 =	EGP 20.8527	EGP 18.2921	EGP 18.2441	EGP 17.6680
		S	EUR 1 =	EGP 21.1017	EGP 18.5624	EGP 18.4044	EGP 17.8765
<b>El Salvador <sup>1</sup></b>							
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 9.7571	SVC 9.6565	SVC 9.5279
<b>Equatorial Guinea <sup>1</sup></b>							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 588.249	XAF 594.379	XAF 602.403
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Eritrea</b>							
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 16.6875	ERN 16.6110	ERN 16.3950
		S	EUR 1 =	ERN 18.3530	ERN 17.3237	ERN 17.2472	ERN 17.0312
<b>Estonia</b>							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> 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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Ethiopia</b>							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 27.4629	ETB 29.0308	ETB 29.1524	ETB 29.2751
		S	USD 1 =	ETB 28.0122	ETB 29.6114	ETB 29.7354	ETB 29.8606
	ETB	B	EUR 1 =	ETB 32.4260	ETB 32.3548	ETB 32.2805	ETB 31.9889
		S	EUR 1 =	ETB 33.0757	ETB 33.0019	ETB 32.9261	ETB 32.6287
<b>Eswatini <sup>1</sup></b>							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 13.2210	SZL 14.1473	SZL 15.2872	SZL 15.1742
		S	USD 1 =	SZL 13.2380	SZL 14.1521	SZL 15.2936	SZL 15.1812
	SZL	B	EUR 1 =	SZL 15.56690	SZL 15.7808	SZL 16.8746	SZL 16.6050
		S	EUR 1 =	SZL 15.59092	SZL 15.7876	SZL 16.8834	SZL 16.6152
<b>Falkland Islands (Islas Malvinas)</b>							
Stanley 529	Falkland Islands pound <sup>2</sup> = 100 pence FKP	V	USD 1 =	FKP 0.74912	FKP 0.82166	FKP 0.82063	FKP 0.81342
		V	EUR 1 =	FKP 0.88471	FKP 0.91623	FKP 0.90565	FKP 0.88573
<b>Fiji</b>							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4869	USD 0.4704	USD 0.4630	USD 0.4627
		S	FJD 1 =	USD 0.4699	USD 0.4534	USD 0.4460	USD 0.4457
	FJD	B	FJD 1 =	EUR 0.4112	EUR 0.4196	EUR 0.4166	EUR 0.4206
		S	FJD 1 =	EUR 0.3992	EUR 0.4076	EUR 0.4046	EUR 0.4086
<b>Finland</b>							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>France</b>							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Gabon <sup>1</sup></b>							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 588.249	XAF 594.379	XAF 602.403
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Gambia</b>							
Banjul 252	Dalasi = 100 bututs GMD	M	USD 1 =	GMD 48.15	GMD 49.93	GMD 50.29	GMD 50.51
		M	EUR 1 =	GMD 57.13	GMD 56.51	GMD 56.32	GMD 56.46
<b>Georgia</b>							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.5403	GEL 2.9507	GEL 2.9379	GEL 2.9552
		M	EUR 1 =	GEL 2.9973	GEL 3.2889	GEL 3.2531	GEL 3.2286

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Germany</b>							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Ghana</b>							
Accra 276	Ghana cedi = 100 Ghana pesewas GHS	B S	USD 1 = USD 1 =	GHS 4.5987 GHS 4.6033	GHS 5.2544 GHS 5.2596	GHS 5.2788 GHS 5.2840	GHS 5.3134 GHS 5.3188
		B S	EUR 1 = EUR 1 =	GHS 5.4149 GHS 5.4191	GHS 5.8503 GHS 5.8553	GHS 5.8069 GHS 5.8119	GHS 5.7937 GHS 5.7974
<b>Gibraltar</b>							
Gibraltar 044	Gibraltar pound <sup>2</sup> = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.74912 GIP 0.88471	GIP 0.82166 GIP 0.91623	GIP 0.82063 GIP 0.90565	GIP 0.81342 GIP 0.88573
<b>Greece <sup>1</sup></b>							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Grenada</b>							
St George's 473	East Caribbean dollar = 100 cents XCD	<sup>3</sup> B <sup>3</sup> S	USD 1 = USD 1 =	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169	XCD 2.6882 XCD 2.7169
		V, B V, S	EUR 1 = EUR 1 =	XCD 3.1748 XCD 3.2087	XCD 2.9976 XCD 3.0296	XCD 2.9667 XCD 2.9984	XCD 2.9272 XCD 2.9584
<b>Guatemala</b>							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.53678 GTQ 8.88361	GTQ 7.68161 GTQ 8.56576	GTQ 7.68091 GTQ 8.47665	GTQ 7.73551 GTQ 8.42320
<b>Guinea</b>							
Conakry 260	Guinean franc GNF	M M	USD 1 = EUR 1 =	GNF 8,904.1667 GNF 10,490.7890	GNF 9,177.9053 GNF 10,237.0366	GNF 9,170.0000 GNF 10,163.1052	GNF 9,210.0000 <sup>4</sup> GNF 10,192.7100 <sup>4</sup>
<b>Guinea-Bissau <sup>1</sup></b>							
Bissau 257	CFA franc XOF	V 5	USD 1 = EUR 1 =	XOF 555.425 XOF 655.957	XOF 588.249 XOF 655.957	XOF 594.379 XOF 655.957	XOF 602.403 XOF 655.957
<b>Guyana</b>							
Georgetown 488	Guyana dollar = 100 cents GYD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GYD 207.48 GYD 209.95 GYD 244.59 GYD 247.72	GYD 207.98 GYD 210.45 GYD 231.75 GYD 234.72	GYD 207.98 GYD 210.45 GYD 229.44 GYD 232.38	GYD 207.98 GYD 210.45 GYD 226.74 GYD 229.65

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

<sup>2</sup> Parity in relation to the pound sterling. <sup>3</sup> Value against the US dollar. <sup>4</sup> Exchange rate as of 20 September 2019. <sup>5</sup> Value against the euro.

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month			
					July 2019	August 2019	September 2019	
<b>Haiti</b>								
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 68.5596	HTG 93.2599	HTG 93.3893	HTG 93.3162	<sup>2</sup>
		V, M	EUR 1 =	HTG 80.7298	HTG 103.9941	HTG 103.0644	HTG 101.6120	<sup>2</sup>
<b>Honduras</b>								
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 23.9317	HNL 24.5135	HNL 24.5714	HNL 24.6230	
		S	USD 1 =	HNL 24.0992	HNL 24.6851	HNL 24.7434	HNL 24.7954	
		V, B	EUR 1 =	HNL 28.2144	HNL 27.3350	HNL 27.1170	HNL 26.8120	
		V, S	EUR 1 =	HNL 28.4119	HNL 27.5264	HNL 27.3068	HNL 26.9997	
<b>Hong Kong</b>								
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.81855	HKD 7.80690	HKD 7.80200	HKD 7.80220	
		S	USD 1 =	HKD 7.85902	HKD 7.84750	HKD 7.87980	HKD 7.87830	
		B	EUR 1 =	HKD 9.21168	HKD 8.68094	HKD 8.52440	HKD 8.47470	
		S	EUR 1 =	HKD 9.28494	HKD 8.76716	HKD 8.71310	HKD 8.66160	
<b>Hungary</b>								
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 270.25	HUF 293.54	HUF 299.95	HUF 306.06	
		M	EUR 1 =	HUF 319.90	HUF 327.15	HUF 331.11	HUF 334.65	
<b>Iceland</b>								
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 107.965	ISK 120.57	ISK 125.12	ISK 123.40	
		S	USD 1 =	ISK 108.479	ISK 121.15	ISK 125.72	ISK 123.98	
		B	EUR 1 =	ISK 127.37	ISK 134.32	ISK 138.11	ISK 134.72	
		S	EUR 1 =	ISK 128.30	ISK 135.08	ISK 138.89	ISK 135.48	
<b>India <sup>1</sup></b>								
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 68.3696	INR 68.8569	INR 71.7586	INR 70.6850	
		M	EUR 1 =	INR 80.7937	INR 76.8420	INR 79.2397	INR 77.3284	
<b>Indonesia</b>								
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 14,176.33	IDR 13,956.00	IDR 14,166.00	IDR 14,103.00	
		S	USD 1 =	IDR 14,319.00	IDR 14,096.00	IDR 14,308.00	IDR 14,245.00	
		B	EUR 1 =	IDR 16,723.60	IDR 15,562.34	IDR 15,652.01	IDR 15,421.63	
		S	EUR 1 =	IDR 16,895.44	IDR 15,724.09	IDR 15,810.34	IDR 15,578.33	
<b>Iran, Islamic Republic of <sup>1</sup></b>								
Tehran 616	Iranian rial = 100 dinars IRR	<sup>3</sup> M	USD 1 =	IRR 41,069 <sup>5</sup>	IRR 42,000	IRR 42,000	IRR 42,000	
		<sup>3</sup> M	EUR 1 =	IRR 48,406 <sup>5</sup>	IRR 46,849	IRR 46,226	IRR 45,926	
		<sup>4</sup> M	USD 1 =	IRR .	IRR 121,000	IRR 115,000	IRR 116,000	
		<sup>4</sup> M	EUR 1 =	IRR .	IRR 134,800	IRR 127,000	IRR 126,900	

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 57 ff. <sup>2</sup> Exchange rate as of 23 September 2019. <sup>3</sup> Central bank rate. <sup>4</sup> Bureau de change

rate. <sup>5</sup> 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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Iraq <sup>1</sup></b>							
Baghdad 612	Iraqi dinar = 1,000 fils  IQD	<b>2</b> 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 1,318.048	IQD 1,308.710	IQD 1,287.080
			EUR 1 =	IQD 1,400.610	IQD 1,326.969	IQD 1,317.568	IQD 1,295.791
		<b>3</b> S	USD 1 =	IQD 1,204.65	IQD 1,194.086	IQD 1,198.887	IQD 1,193.319
V, S	EUR 1 =	IQD 1,420.96	IQD 1,331.53	IQD 1,323.09	IQD 1,299.41		
<b>Ireland</b>							
Dublin 007	Euro = 100 cent  EUR		M EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Israel</b>							
Jerusalem 624	New shekel = 100 agorot  ILS		M USD 1 =	ILS 3.5970	ILS 3.4990	ILS 3.5350	ILS 3.4820
			M EUR 1 =	ILS 4.2524	ILS 3.8997	ILS 3.9029	ILS 3.8050
<b>Italy</b>							
Rome 005	Euro = 100 cent  EUR		M EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Jamaica</b>							
Kingston 464	Jamaican dollar = 100 cents  JMD	B	USD 1 =	JMD 128.0409	JMD 135.0796	JMD 135.9552	JMD 133.7978
			S	USD 1 =	JMD 129.6176	JMD 136.6824	JMD 137.8597
		B	EUR 1 =	JMD 146.23049	JMD 146.0595	JMD 152.7918	JMD 147.2888
			S	EUR 1 =	JMD 154.30423	JMD 152.2541	JMD 154.2796
<b>Japan</b>							
Tokyo 732	Japanese yen = 100 sen  JPY	B	USD 1 =	JPY 109.44	JPY 107.64	JPY 105.46	JPY 106.92
			S	USD 1 =	JPY 111.44	JPY 109.64	JPY 107.46
		B	EUR 1 =	JPY 128.51	JPY 119.69	JPY 116.13	JPY 116.52
			S	EUR 1 =	JPY 131.51	JPY 122.69	JPY 119.13
<b>Jordan</b>							
Amman 628	Jordanian dinar = 1,000 fils  JOD	<b>2</b> B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
			S	USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100
		B	EUR 1 =	JOD 0.83297	JOD 0.78900	JOD 0.78376	JOD 0.77214
			S	EUR 1 =	JOD 0.83920	JOD 0.79250	JOD 0.78718
<b>Kazakhstan</b>							
Nur-Sultan 079	Tenge = 100 tiyn  KZT		M USD 1 =	KZT 346.62	KZT 384.56	KZT 387.46	KZT 387.63
			M EUR 1 =	KZT 408.59	KZT 428.52	KZT 429.15	KZT 423.49

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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month			
					July 2019	August 2019	September 2019	
<b>Kenya <sup>1</sup></b>								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 101.2370	KES 104.1139	KES 103.4500	KES 103.7856	
		S	USD 1 =	KES 101.4372	KES 104.3056	KES 103.6500	KES 103.9856	
	KES	B	EUR 1 =	KES 119.3664	KES 115.8172	KES 114.5050	KES 113.4156	
		S	EUR 1 =	KES 119.6328	KES 116.0728	KES 114.7544	KES 113.6617	
	<b>Korea, Democratic People's Republic of <sup>2</sup></b>							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 105.14	KPW 107.77	KPW 107.99	KPW 108.98
S			USD 1 =	KPW 106.02	KPW 108.84	KPW 109.07	KPW 110.07	
KPW		B	EUR 1 =	KPW 123.85	KPW 120.17	KPW 119.87	KPW 118.76	
		S	EUR 1 =	KPW 124.88	KPW 121.37	KPW 121.07	KPW 119.95	
<b>Korea, Republic of</b>								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,091.21	KRW 1,171.50	KRW 1,197.70	KRW 1,187.30
	S		USD 1 =	KRW 1,112.71	KRW 1,194.50	KRW 1,221.30	KRW 1,210.70	
	KRW	B	EUR 1 =	KRW 1,283.68	KRW 1,305.39	KRW 1,322.06	KRW 1,296.58	
		S	EUR 1 =	KRW 1,309.60	KRW 1,331.75	KRW 1,348.76	KRW 1,322.76	
	<b>Kuwait</b>							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30068	KWD 0.30275	KWD 0.30225	KWD 0.30275
S			USD 1 =	KWD 0.30428	KWD 0.30635	KWD 0.30585	KWD 0.30635	
KWD		B	EUR 1 =	KWD 0.354396	KWD 0.337566	KWD 0.333548	KWD 0.330331	
		S	EUR 1 =	KWD 0.358627	KWD 0.341580	KWD 0.337521	KWD 0.334258	
<b>Kyrgyzstan</b>								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 68.8858	KGS 69.7504	KGS 69.8065	KGS 69.7039
	M		EUR 1 =	KGS 81.3869	KGS 77.7508	KGS 77.0594	KGS 76.1411	
KGS								
<b>Lao People's Democratic Republic</b>								
Vientiane 684	Kip	B	USD 1 =	LAK 8,408	LAK 8,682	LAK 8,751	LAK 8,813	
		S	USD 1 =	LAK 8,433	LAK 8,697	LAK 8,766	LAK 8,828	
	LAK	B	EUR 1 =	LAK 9,885	LAK 9,685	LAK 9,676	LAK 9,625	
		S	EUR 1 =	LAK 9,931	LAK 9,731	LAK 9,722	LAK 9,670	
	<b>Latvia</b>							
	Riga 054	Euro = 100 cent	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
EUR								
<b>Lebanon</b>								
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 1,680.56	LBP 1,664.43	LBP 1,646.49	
LBP								
<b>Lesotho <sup>1</sup></b>								
Maseru 395	Loti = 100 lisente	M	USD 1 =	LSL 13.2646	LSL 14.2201	LSL 15.2641	LSL 14.9737	
		M	EUR 1 =	LSL 15.6033	LSL 15.8554	LSL 16.8516	LSL 16.3925	
LSL								

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

<sup>2</sup> 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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Liberia <sup>1</sup></b>							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 144.36	LRD 201.9520	LRD 205.8776	LRD 208.4898
		S	USD 1 =	LRD 145.23	LRD 203.2756	LRD 207.1216	LRD 209.9338
	LRD	V, B V, S	EUR 1 = EUR 1 =	LRD 169.8138 LRD 170.8374	LRD 225.1967 LRD 226.6726	LRD 227.2065 LRD 228.5794	LRD 227.0245 LRD 228.5969
<b>Libya</b>							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3631	LYD 1.4009	LYD 1.4066	LYD 1.4130
		S	USD 1 =	LYD 1.3700	LYD 1.4080	LYD 1.4136	LYD 1.4201
	LYD	B S	EUR 1 = EUR 1 =	LYD 1.6066 LYD 1.6147	LYD 1.5633 LYD 1.5711	LYD 1.5588 LYD 1.5666	LYD 1.5450 LYD 1.5528
<b>Lithuania</b>							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Luxembourg</b>							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Macao <sup>1</sup></b>							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0672	MOP 8.0565	MOP 8.0734	MOP 8.0697
		S	USD 1 =	MOP 8.0921	MOP 8.0790	MOP 8.0959	MOP 8.0922
	MOP	B S	EUR 1 = EUR 1 =	MOP 9.5102 MOP 9.5588	MOP 8.9747 MOP 9.0132	MOP 8.9071 MOP 8.9456	MOP 8.8243 MOP 8.8628
<b>Madagascar</b>							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,340.90	MGA 3,649.10	MGA 3,708.67	MGA 3,718.41
		M	EUR 1 =	MGA 3,939.56	MGA 4,056.59	MGA 4,090.62	MGA 4,070.99
<b>Malawi</b>							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 717.8509	MWK 734.3984	MWK 721.6524	MWK 727.5158
		S	USD 1 =	MWK 736.2822	MWK 755.5558	MWK 742.7396	MWK 742.0646
	MWK	B S	EUR 1 = EUR 1 =	MWK 847.2160 MWK 868.9726	MWK 819.6621 MWK 843.2758	MWK 797.1372 MWK 820.4302	MWK 795.6113 MWK 811.5219
<b>Malaysia</b>							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen MYR	B	USD 1 =	MYR 3.9706	MYR 4.0643	MYR 4.1600	MYR 4.1299
		S	USD 1 =	MYR 4.0991	MYR 4.1897	MYR 4.2790	MYR 4.2481
		B S	EUR 1 = EUR 1 =	MYR 4.6691 MYR 4.8499	MYR 4.5147 MYR 4.6934	MYR 4.5856 MYR 4.7470	MYR 4.5045 MYR 4.6631

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> 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		
					July 2019	August 2019	September 2019
<b>Maldives</b>							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.40	MVR 15.37	MVR 15.27	MVR 15.37
		V, M	EUR 1 =	MVR 18.16330	MVR 17.13909	MVR 16.85197	MVR 16.73639
<b>Mali 1</b>							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 594.379	XOF 602.403
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Malta</b>							
Valletta 046	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Mauritania</b>							
Nouakchott 228	Ouguiya MRU	B	USD 1 =	MRU 35.61	MRU 36.57	MRU 36.64	MRU 36.82
		S	USD 1 =	MRU 35.97	MRU 36.93	MRU 37.01	MRU 37.19
		B	EUR 1 =	MRU 42.03	MRU 40.76	MRU 40.57	MRU 40.21
		S	EUR 1 =	MRU 42.45	MRU 41.17	MRU 40.98	MRU 40.61
<b>Mauritius</b>							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 33.6405	MUR 35.6641	MUR 35.7190	MUR 36.0204
		S	USD 1 =	MUR 34.6236	MUR 36.5636	MUR 36.6186	MUR 36.9200
		B	EUR 1 =	MUR 39.5707	MUR 39.6397	MUR 39.3147	MUR 39.2498
		S	EUR 1 =	MUR 40.7996	MUR 40.7607	MUR 40.4316	MUR 40.3609
<b>Mexico</b>							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 19.2071	MXN 18.9955	MXN 20.0490	MXN 19.7155
		S	USD 1 =	MXN 19.2144	MXN 19.0000	MXN 20.0550	MXN 19.7205
		V, B	EUR 1 =	MXN 22.6936	MXN 21.1819	MXN 22.1261	MXN 21.4682
		V, S	EUR 1 =	MXN 22.7021	MXN 21.1869	MXN 22.1327	MXN 21.4737
<b>Moldova, Republic of</b>							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 16.8043	MDL 17.7366	MDL 17.8322	MDL 17.7335
		M	EUR 1 =	MDL 19.8400	MDL 19.7702	MDL 19.7482	MDL 19.3959
<b>Mongolia</b>							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,483.64	MNT 2,666.00	MNT 2,672.00	MNT 2,667.21
		M	EUR 1 =	MNT 2,928.63	MNT 2,973.26	MNT 2,949.35	MNT 2,916.46
<b>Morocco</b>							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.3893	MAD 9.6123	MAD 9.6288	MAD 9.7468
		M	EUR 1 =	MAD 11.0887	MAD 10.7139	MAD 10.6283	MAD 10.6396

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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Mozambique</b>							
Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 59.82	MZN 60.86	MZN 60.72	MZN 61.32
		S	USD 1 =	MZN 61.01	MZN 62.01	MZN 61.92	MZN 62.55
	MZN	B	EUR 1 =	MZN 70.66	MZN 67.87	MZN 67.03	MZN 66.95
		S	EUR 1 =	MZN 72.05	MZN 69.16	MZN 68.36	MZN 68.29
<b>Myanmar</b>							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,440.42	MMK 1,509.70	MMK 1,521.70	MMK 1,532.80
		M	EUR 1 =	MMK 1,695.58	MMK 1,682.60	MMK 1,680.00	MMK 1,675.90
<b>Namibia <sup>1</sup></b>							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 13.2345	NAD 14.1861	NAD 15.3206	NAD 15.1642
		M	EUR 1 =	NAD 15.5835	NAD 15.8284	NAD 16.9246	NAD 16.5862
<b>Nepal</b>							
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 109.25	NPR 109.88	NPR 113.95	NPR 112.60
		S	USD 1 =	NPR 109.85	NPR 110.48	NPR 114.55	NPR 113.20
	NPR	B	EUR 1 =	NPR 128.90	NPR 122.49	NPR 125.77	NPR 123.17
		S	EUR 1 =	NPR 129.61	NPR 123.16	NPR 126.43	NPR 123.83
<b>Netherlands</b>							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>New Caledonia <sup>1</sup></b>							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.90	USD 9.34	USD 9.25	USD 9.12
		2	XPF 1,000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38
<b>New Zealand</b>							
Wellington 804	New Zealand dollar = 100 cents	B	NZD 1 =	USD 0.7068	USD 0.6741	USD 0.6436	USD 0.6400
		S	NZD 1 =	USD 0.6815	USD 0.6497	USD 0.6200	USD 0.6166
	NZD	B	NZD 1 =	EUR 0.5993	EUR 0.6064	EUR 0.5847	EUR 0.5873
		S	NZD 1 =	EUR 0.5735	EUR 0.5799	EUR 0.5589	EUR 0.5614
<b>Nicaragua</b>							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 31.6153	NIO 33.2598	NIO 33.3979	NIO 33.5321
		V, M	EUR 1 =	NIO 37.26925	NIO 37.08800	NIO 36.85792	NIO 36.51310

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Niger <sup>1</sup></b>							
Niamey 240	CFA franc	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 594.379	XOF 602.403
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Nigeria <sup>1</sup></b>							
Abuja 288	Naira = 100 kobo	B	USD 1 =	NGN 305.10	NGN 305.85	NGN 306.00	NGN 306.00
		S	USD 1 =	NGN 306.10	NGN 306.85	NGN 307.00	NGN 307.00
	NGN	B	EUR 1 =	NGN 360.3831	NGN 341.0228	NGN 337.8240	NGN 333.5400
		S	EUR 1 =	NGN 361.5644	NGN 342.1378	NGN 338.9280	NGN 334.6300
<b>North Macedonia</b>							
Skopje 096	North Macedonia denar = 100 deni	B	USD 1 =	MKD 51.8497	MKD 54.8570	MKD 55.2548	MKD 55.9557
		S	USD 1 =	MKD 52.3708	MKD 55.4084	MKD 55.8101	MKD 56.5180
	MKD	B	EUR 1 =	MKD 61.2037	MKD 61.1875	MKD 61.1781	MKD 61.1875
		S	EUR 1 =	MKD 61.8188	MKD 61.8025	MKD 61.7929	MKD 61.8025
<b>Norway</b>							
Oslo 028	Norwegian krone = 100 øre	B	USD 1 =	NOK 8.1037	NOK 8.7160	NOK 9.0762	NOK 9.0448
		S	USD 1 =	NOK 8.1687	NOK 8.7880	NOK 9.1482	NOK 9.1168
	NOK	B	EUR 1 =	NOK 9.5874	NOK 9.7229	NOK 10.0190	NOK 9.8999
		S	EUR 1 =	NOK 9.6594	NOK 9.8019	NOK 10.0980	NOK 9.9789
<b>Oman</b>							
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 0.4283136	OMR 0.4255488	OMR 0.4197888
		S	EUR 1 =	OMR 0.4541107	OMR 0.4295060	OMR 0.4267340	OMR 0.4209590
<b>Pakistan</b>							
Islamabad 662	Pakistani rupee = 100 paisa	B	USD 1 =	PKR 121.67	PKR 159.75	PKR 157.10	PKR 156.20
		S	USD 1 =	PKR 121.90	PKR 160.25	PKR 157.60	PKR 156.70
	PKR	B	EUR 1 =	PKR 143.54	PKR 178.17	PKR 173.49	PKR 170.77
		S	EUR 1 =	PKR 143.80	PKR 178.77	PKR 174.05	PKR 171.32
<b>Panama <sup>1</sup></b>							
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 1.1151	PAB 1.1036	PAB 1.0889
<b>Papua New Guinea</b>							
Port Moresby 801	Kina = 100 toea	B	PGK 1 =	USD 0.3108	USD 0.3020	USD 0.3015	USD 0.3015
		S	PGK 1 =	USD 0.2958	USD 0.2870	USD 0.2865	USD 0.2865
	PGK	B	PGK 1 =	EUR 0.2612	EUR 0.2674	EUR 0.2693	EUR 0.2721
		S	PGK 1 =	EUR 0.2462	EUR 0.2524	EUR 0.2543	EUR 0.2571

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

<sup>2</sup> Value against the euro. <sup>3</sup> Value against the US dollar. <sup>4</sup> Parity in relation to the US dollar.

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Paraguay</b>							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,727.98	PYG 5,994.48	PYG 6,246.48	PYG 6,375.54
		S	USD 1 =	PYG 5,739.88	PYG 6,003.89	PYG 6,257.34	PYG 6,384.71
	PYG	V, B	EUR 1 =	PYG 6,762.15	PYG 6,684.44	PYG 6,893.62	PYG 6,942.33
V, S		EUR 1 =	PYG 6,776.14	PYG 6,694.94	PYG 6,905.60	PYG 6,952.31	
<b>Peru</b>							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.285	PEN 3.308	PEN 3.392	PEN 3.382
		S	USD 1 =	PEN 3.289	PEN 3.310	PEN 3.399	PEN 3.385
	PEN	B	EUR 1 =	PEN 3.811	PEN 3.631	PEN 3.717	PEN 3.484
		S	EUR 1 =	PEN 4.000	PEN 3.801	PEN 3.807	PEN 3.841
<b>Philippines</b>							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 52.48	PHP 50.55	PHP 51.85	PHP 51.50
		S	USD 1 =	PHP 52.98	PHP 51.05	PHP 52.35	PHP 52.00
	PHP	B	EUR 1 =	PHP 60.5284	PHP 54.8516	PHP 55.7775	PHP 54.8056
		S	EUR 1 =	PHP 63.7421	PHP 58.0870	PHP 59.0367	PHP 58.0127
<b>Poland</b>							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.6125	PLN 3.8504	PLN 3.9717	PLN 4.0000
		M	EUR 1 =	PLN 4.2669	PLN 4.2911	PLN 4.3844	PLN 4.3736
<b>Portugal</b>							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Qatar</b>							
Doha 644	Qatari riyal = 100 dirham QAR	<sup>2</sup>	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.2927	QAR 4.0590	QAR 4.0171	QAR 3.9636
<b>Romania</b>							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 3.9433	RON 4.2469	RON 4.2827	RON 4.3488
		M	EUR 1 =	RON 4.6558	RON 4.7336	RON 4.7294	RON 4.7511
<b>Russian Federation</b>							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 62.9446	RUB 63.3791	RUB 66.4897	RUB 64.4156
		M	EUR 1 =	RUB 74.0611	RUB 70.5980	RUB 73.3847	RUB 70.3161

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 57 ff. <sup>2</sup> 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		
					July 2019	August 2019	September 2019
<b>Rwanda</b>							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 853.180023	RWF 893.295183	RWF 896.892033	RWF 900.779547
		S	USD 1 =	RWF 870.241900	RWF 911.159283	RWF 914.828061	RWF 918.793319
	RWF	B	EUR 1 =	RWF 1,008.609844	RWF 996.649436	RWF 990.796628	RWF 985.272669
S		EUR 1 =	RWF 1,028.780004	RWF 1,016.580412	RWF 1,010.610560	RWF 1,004.976132	
<b>Saint Helena, Ascension and Tristan da Cunha</b>							
Jamestown 329	Saint Helena pound 2 = 100 pence  SHP	V	USD 1 =	SHP 0.74912	SHP 0.82166	SHP 0.82063	SHP 0.81342
		V	EUR 1 =	SHP 0.88471	SHP 0.91623	SHP 0.90565	SHP 0.88573
<b>Saint Kitts and Nevis</b>							
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 2.9976	XCD 2.9667	XCD 2.9272
V, S		EUR 1 =	XCD 3.2087	XCD 3.0296	XCD 2.9984	XCD 2.9584	
<b>Saint Lucia</b>							
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 2.9976	XCD 2.9667	XCD 2.9272
V, S		EUR 1 =	XCD 3.2087	XCD 3.0296	XCD 2.9984	XCD 2.9584	
<b>Saint Vincent and the Grenadines</b>							
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 2.9976	XCD 2.9667	XCD 2.9272
V, S		EUR 1 =	XCD 3.2087	XCD 3.0296	XCD 2.9984	XCD 2.9584	
<b>Samoa</b>							
Apia 819	Tala = 100 sene  WST	M	WST 1 =	USD 0.38875	USD 0.37713	USD 0.36988	USD 0.36995
		M	WST 1 =	EUR 0.32973	EUR 0.33804	EUR 0.33463	EUR 0.33816
<b>Sao Tome and Principe</b>							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 20.7647	STN 21.9652	STN 22.1279	STN 22.3990
		S	USD 1 =	STN 21.0762	STN 22.2947	STN 22.4598	STN 22.7350
	STN	4	EUR 1 =	STN 24.5000	STN 24.5000	STN 24.5000	STN 24.5000
<b>Saudi Arabia</b>							
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 4.1773	SAR 4.1499	SAR 4.1053

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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Senegal <sup>1</sup></b>							
Dakar 248	CFA franc	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 594.379	XOF 602.403
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Serbia</b>							
Belgrade 098	Serbian dinar = 100 para	B	USD 1 =	RSD 99.9481	RSD 105.2194	RSD 106.2864	RSD 107.1076
		S	USD 1 =	RSD 100.5496	RSD 105.8526	RSD 106.9260	RSD 107.7522
	RSD	B	EUR 1 =	RSD 117.9053	RSD 117.3933	RSD 117.4252	RSD 117.1757
		S	EUR 1 =	RSD 118.6148	RSD 118.0997	RSD 118.1318	RSD 117.8809
<b>Seychelles</b>							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.7032	SCR 13.7773	SCR 13.8653	SCR 14.0406
		S	USD 1 =	SCR 14.0698	SCR 14.1317	SCR 14.1804	SCR 14.1671
	SCR	B	EUR 1 =	SCR 16.2129	SCR 15.4220	SCR 15.4925	SCR 15.2606
		S	EUR 1 =	SCR 16.6326	SCR 15.7958	SCR 15.6971	SCR 15.5599
<b>Sierra Leone</b>							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 7,878.57	SLL 8,866.37	SLL 9,167.75	SLL 9,349.81
		S	USD 1 =	SLL 8,037.73	SLL 9,045.48	SLL 9,352.95	SLL 9,538.70
	SLL	B	EUR 1 =	SLL 9,290.70	SLL 9,892.98	SLL 10,117.77	SLL 10,224.35
		S	EUR 1 =	SLL 9,475.79	SLL 10,087.18	SLL 10,318.07	SLL 10,429.59
<b>Singapore <sup>1</sup></b>							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3486	SGD 1.3694	SGD 1.3887	SGD 1.3813
		M	EUR 1 =	SGD 1.5915	SGD 1.5275	SGD 1.5337	SGD 1.5101
<b>Sint Maarten (southern part)</b>							
Philipsburg 479	Netherlands Antillean guilder = 100 cents	<sup>3</sup> B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		<sup>3</sup> S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 210.14	ANG 198.55	ANG 196.59	ANG 194.28
		S	EUR 100 =	ANG 214.38	ANG 202.55	ANG 200.55	ANG 198.19
<b>Slovakia</b>							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Slovenia</b>							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Solomon Islands</b>							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1255	USD 0.1220	USD 0.1211	USD 0.1210
		M	SBD 1 =	EUR 0.10644	EUR 0.10950	EUR 0.10930	EUR 0.11060

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 57 ff. <sup>2</sup> Value against the euro. <sup>3</sup> 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		
					July 2019	August 2019	September 2019
<b>Somalia <sup>1</sup></b>							
Mogadishu 342	Somali shilling	M	USD 1 =	.	.	.	.
	SOS	M	EUR 1 =	.	.	.	.
<b>South Africa</b>							
Pretoria Seat of parliament: Cape Town 388	South African rand = 100 cents	B	USD 1 =	ZAR 13.1043	ZAR 14.0288	ZAR 15.0525	ZAR 14.9625
		S	USD 1 =	ZAR 13.4218	ZAR 14.3463	ZAR 15.3700	ZAR 15.2800
	ZAR	B	EUR 1 =	ZAR 15.3622	ZAR 15.5955	ZAR 16.5996	ZAR 16.2779
		S	EUR 1 =	ZAR 15.8001	ZAR 16.0291	ZAR 17.0326	ZAR 16.7050
<b>South Sudan</b>							
Juba 225	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 142.3526	SSP 159.1456	SSP 159.4575	SSP 159.8720
		M	EUR 1 =	SSP 167.7415	SSP 176.9704	SSP 176.6475	SSP 174.6284
SSP							
<b>Spain</b>							
Madrid 011	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1810	USD 1.1151	USD 1.1036	USD 1.0889
<b>Sri Lanka</b>							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 161.0435	LKR 174.3269	LKR 178.4366	LKR 179.8933
		S	USD 1 =	LKR 164.6315	LKR 177.9768	LKR 182.1028	LKR 183.5647
	LKR	B	EUR 1 =	LKR 188.8604	LKR 193.2255	LKR 195.8683	LKR 195.3925
		S	EUR 1 =	LKR 195.5350	LKR 199.7739	LKR 202.4444	LKR 202.0915
<b>Sudan</b>							
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 50.1993	SDG 49.8636	SDG 49.2134
		S	EUR 1 =	SDG 29.7310	SDG 50.4503	SDG 50.1129	SDG 49.4594
<b>Suriname</b>							
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 8.249	SRD 8.189	SRD 8.087
		S	EUR 1 =	SRD 8.866	SRD 8.388	SRD 8.326	SRD 8.223
<b>Sweden</b>							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.6396	SEK 9.5112	SEK 9.7380	SEK 9.7522
		S	USD 1 =	SEK 8.7446	SEK 9.6162	SEK 9.8430	SEK 9.8572
	SEK	B	EUR 1 =	SEK 10.2389	SEK 10.6096	SEK 10.7503	SEK 10.6712
		S	EUR 1 =	SEK 10.3539	SEK 10.7246	SEK 10.8653	SEK 10.7862

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> 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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Switzerland</b>							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9783	CHF 0.9906	CHF 0.9886	CHF 0.9931
		B	EUR 1 =	CHF 1.1520	CHF 1.1040	CHF 1.0914	CHF 1.0859
<b>Syrian Arab Republic</b>							
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 485.14	SYP 481.92	SYP 475.57
		S	EUR 1 =	SYP 518.41	SYP 488.55	SYP 485.31	SYP 478.91
<b>Tajikistan</b>							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 9.1637	TJS 9.4397	TJS 9.6820	TJS 9.6876
		M	EUR 1 =	TJS 10.8116	TJS 10.5215	TJS 10.6860	TJS 10.5944
<b>Tanzania, United Republic of</b>							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,254.6073	TZS 2,277.7822	TZS 2,278.0099	TZS 2,278.0297
		S	USD 1 =	TZS 2,277.1533	TZS 2,300.5600	TZS 2,300.7900	TZS 2,300.8100
		B	EUR 1 =	TZS 2,661.7781	TZS 2,539.0438	TZS 2,521.9848	TZS 2,491.9367
		S	EUR 1 =	TZS 2,689.1558	TZS 2,565.3545	TZS 2,547.4347	TZS 2,517.3162
<b>Thailand</b>							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 32.1291	THB 30.6251	THB 30.4726	THB 30.4176
		S	USD 1 =	THB 32.4704	THB 30.9679	THB 30.8159	THB 30.7661
		B	EUR 1 =	THB 37.7262	THB 33.9847	THB 33.5017	THB 33.0624
		S	EUR 1 =	THB 38.4623	THB 34.6843	THB 34.1990	THB 33.7905
<b>Togo <sup>1</sup></b>							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 588.249	XOF 594.379	XOF 602.403
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Tonga</b>							
Nuku'alofa 817	Pa'anga = 100 seniti TOP	M	TOP 1 =	USD 0.4462	USD 0.4364	USD 0.4299	USD 0.4300
		M	TOP 1 =	EUR 0.3777	EUR 0.3904	EUR 0.3877	EUR 0.3929
<b>Trinidad and Tobago</b>							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7317	TTD 6.7211	TTD 6.7221	TTD 6.7085
		S	USD 1 =	TTD 6.7630	TTD 6.7585	TTD 6.7569	TTD 6.7570
		B	EUR 1 =	TTD 7.8811	TTD 7.4156	TTD 7.3585	TTD 7.2321
		S	EUR 1 =	TTD 8.4568	TTD 7.9927	TTD 7.9278	TTD 7.8988

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 57 ff. <sup>2</sup> 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		
					July 2019	August 2019	September 2019
<b>Tunisia</b>							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.6373	TND 2.8780	TND 2.8689	TND 2.8709
			USD 1 =	TND 2.6400	TND 2.8808	TND 2.8717	TND 2.8737
	TND	B S	EUR 1 =	TND 3.1069	TND 3.2086	TND 3.1664	TND 3.1314
			EUR 1 =	TND 3.1100	TND 3.2119	TND 3.1696	TND 3.1345
<b>Turkey</b>							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 4.8094	TRY 5.5709	TRY 5.7994	TRY 5.6591
			USD 1 =	TRY 4.8180	TRY 5.5810	TRY 5.8098	TRY 5.6693
	TRY	B S	EUR 1 =	TRY 5.6804	TRY 6.2088	TRY 6.4315	TRY 6.1836
			EUR 1 =	TRY 5.6906	TRY 6.2199	TRY 6.4431	TRY 6.1947
<b>Turkmenistan <sup>1</sup></b>							
Ashgabat 080	Turkmen manat = 100 tenge	2	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 4.1619	TMT 3.8990	TMT 3.8637	TMT 3.8283
<b>Uganda</b>							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,728.14	UGX 3,696.67	UGX 3,684.33	UGX 3,679.13
			USD 1 =	UGX 3,738.14	UGX 3,706.67	UGX 3,694.33	UGX 3,689.13
	UGX	B S	EUR 1 =	UGX 4,393.75	UGX 4,115.18424	UGX 4,080.55156	UGX 4,024.86599
			EUR 1 =	UGX 4,405.54	UGX 4,126.31638	UGX 4,091.62698	UGX 4,035.80571
<b>Ukraine</b>							
Kyiv 072	Hryvnia = 100 kopyok	M	USD 100 =	UAH 2,721.1273	UAH 2,508.5516	UAH 2,523.2299	UAH 2,408.2809
		M	EUR 100 =	UAH 3,212.2821	UAH 2,798.0385	UAH 2,793.7201	UAH 2,633.4552
<b>United Arab Emirates <sup>1</sup></b>							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils	2	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
		V, M	EUR 1 =	AED 4.3310	AED 4.0952	AED 4.0530	AED 3.9990
<b>United Kingdom <sup>1</sup></b>							
London 006	Pound sterling = 100 pence	M	GBP 1 =	USD 1.3350	USD 1.2246	USD 1.2183	USD 1.2320
		M	EUR 1 =	GBP 0.8854	GBP 0.9092	GBP 0.9040	GBP 0.8848
<b>United States</b>							
Washington 400	US dollar = 100 cents	M	EUR 1 =	USD 1.17793	USD 1.1074	USD 1.0989	USD 1.0898
		M	GBP 1 =	USD 1.33458	USD 1.2157	USD 1.2156	USD 1.2287

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					July 2019	August 2019	September 2019
<b>Uruguay</b>							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 30.739	UYU 34.350	UYU 36.642	UYU 36.939
		M	EUR 1 =	UYU 36.2340	UYU 38.0924	UYU 40.2421	UYU 40.2746
<b>Uzbekistan</b>							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 8,070.28	UZS 8,666.71	UZS 9,373.93	UZS 9,424.54
		M	EUR 1 =	UZS 9,528.90	UZS 9,641.71	UZS 10,446.31	UZS 10,383.02
<b>Vanuatu</b>							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 108.58	VUV 113.26	VUV 115.09	VUV 115.01
		S	USD 1 =	VUV 115.41	VUV 120.78	VUV 122.72	VUV 122.63
		B	EUR 1 =	VUV 128.83	VUV 127.41	VUV 128.36	VUV 126.95
		S	EUR 1 =	VUV 134.09	VUV 132.68	VUV 133.65	VUV 132.19
<b>Venezuela, Bolivarian Republic of</b>							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	.	<sup>2</sup> VES 11,236.320	VES 22,131.423	VES 20,694.526
		S	USD 1 =	.	<sup>2</sup> VES 11,264.481	VES 22,186.890	VES 20,746.392
		B	EUR 1 =	.	<sup>2</sup> VES 12,503.103	VES 24,342.352	VES 22,564.483
		S	EUR 1 =	.	<sup>2</sup> VES 12,534.664	VES 24,404.914	VES 22,621.451
<b>Viet Nam</b>							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,007	VND 23,140	VND 23,130	VND 23,150
		S	USD 1 =	VND 23,085	VND 23,260	VND 23,250	VND 23,270
		B	EUR 1 =	VND 27,033.98	VND 25,709.87	VND 25,472.75	VND 25,214.61
		S	EUR 1 =	VND 27,460.82	VND 26,507.63	VND 26,263.39	VND 25,997.48
<b>Yemen</b>							
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 278.90	YER 277.09	YER 273.48
		S	EUR 1 =	YER 295.02	YER 279.46	YER 277.64	YER 274.02
<b>Zambia</b>							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 10.5868	ZMW 12.8613	ZMW 13.0536	ZMW 13.1323
		S	USD 1 =	ZMW 10.6368	ZMW 12.9113	ZMW 13.1036	ZMW 13.1823
		B	EUR 1 =	ZMW 12.4529	ZMW 14.3365	ZMW 14.4138	ZMW 14.2945
		S	EUR 1 =	ZMW 12.5160	ZMW 14.3999	ZMW 14.4743	ZMW 14.3542
<b>Zimbabwe <sup>1</sup></b>							
Harare 382	Zimbabwe dollar = 100 cents ZWL	M	USD 1 =	.	ZWL 9.1856	ZWL 10.7139	ZWL 15.1979
		M	EUR 1 =	.	ZWL 10.24740	ZWL 11.61860	ZWL 16.31365

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 57 ff. <sup>2</sup> 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-September 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	Meiella (023)	Euro
Azores (010)	Euro	Micronesia, Federated States of (823)	US dollar
		Monaco 1 (001)	Euro
		Montenegro (097)	Euro
Baker Island (832)	US dollar	Montserrat (470)	East Caribbean dollar
Balearics	Euro	Mooréa	CFP franc
Bali	Indonesian rupiah		
Bonaire (475)	US dollar		
Bora-Bora	CFP franc	Nauru (803)	Australian dollar
Borneo (northern part) (701)	Malaysian ringgit	Newfoundland	Canadian dollar
Borneo (southern part) (700)	Indonesian rupiah	Nicobar Islands	Indian rupee
British Virgin Islands (468)	US dollar	Niue (838)	New Zealand 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
Faroe Islands 1 (041)	Danish krone	San Marino 1 (047)	Euro
(French) Guiana (001)	Euro	Spitzbergen/Spitsbergen (028)	Norwegian krone
French Polynesia (822)	CFP franc	St Barthélemy (001)	Euro
		St Eustatius (475)	US dollar
Galapagos Islands (500)	US dollar	St Martin (northern part) (001)	Euro
Gozo (Island of)	Euro	St Pierre and Miquelon (408)	Euro
Greenland (406)	Danish krone	Sumatra	Indonesian rupiah
Guadeloupe (001)	Euro	Swan Islands (424)	Honduran lempira
Guam (831)	US dollar		
Guernsey 1 (107)	Pound sterling	Tahiti (822)	CFP franc
		Tibet (720)	Chinese renminbi
Howland Island (832)	US dollar	Timor-Leste 1 (626)	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		
		Wallis and Futuna (Islands) (811)	CFP franc
Kiribati 1 (812)	Australian dollar	Western Sahara (203)	Moroccan dirham
Kosovo (095)	Euro Serbian dinar		
		Zanzibar (Island) (352)	Tanzania shilling
Laccadive Islands	Indian rupee		
Les Saintes Islands (001)	Euro		
Liechtenstein (037)	Swiss franc		

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

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

### 1. End-of-year and end-of-month 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
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 July	1.39470	1.27172	8.53170	172.901	0.895528	1.81966	1.34212	9.48902	11.4474	12.0354
Aug.	1.40380	1.25172	8.96933	170.141	0.914997	1.85624	1.35382	9.34143	11.7142	11.8760
Sep.	1.40374	1.25300	8.92961	168.378	0.923574	1.88016	1.36640	9.34719	11.9341	11.7748
Oct.	1.39687	1.26793	8.86942	168.840	0.910075	1.82753	1.38137	9.45600	11.9096	11.8987
Nov.	1.37217	1.29707	8.77855	168.502	0.914411	1.82951	1.41484	9.67661	11.9245	11.9797
Dec.	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016 Jan.	1.38050	1.26419	9.07853	167.040	0.965111	1.94374	1.40783	9.43450	11.9902	11.7571
Feb.	1.38131	1.26866	9.04429	156.641	0.997049	1.86795	1.38394	9.46450	12.0578	11.7931
Mar.	1.40882	1.23744	9.11129	158.675	0.978139	1.82738	1.35529	9.22041	11.6498	11.4779
Apr.	1.41733	1.24294	9.19084	158.372	0.969847	1.77861	1.36390	9.25249	11.4537	11.3943
May	1.40288	1.25774	9.23753	155.846	0.959693	1.83777	1.38913	9.35454	11.7220	11.6901
June	1.39884	1.25999	9.29463	143.941	1.03710	1.81976	1.36527	9.37348	11.7190	11.8640
July	1.39338	1.25383	9.27042	144.912	1.05743	1.81711	1.35799	9.32523	11.9229	12.0072
Aug.	1.39434	1.25255	9.31255	143.561	1.06131	1.82993	1.37245	9.32297	11.6193	11.9107
Sep.	1.39581	1.25062	9.31064	141.089	1.07693	1.83089	1.35980	9.31871	11.2387	12.0301
Oct.	1.37385	1.25511	9.30085	143.979	1.12879	1.84137	1.35874	9.33724	11.3393	12.3613
Nov.	1.35376	1.27293	9.32175	152.149	1.08718	1.81756	1.37312	9.47104	11.4806	12.4014
Dec.	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017 Jan.	1.35883	1.26344	9.34798	154.363	1.09042	1.77055	1.34918	9.39655	11.2295	11.9779
Feb.	1.35389	1.27762	9.30016	152.381	1.08834	1.79364	1.36080	9.49677	11.3315	12.2395
Mar.	1.35685	1.26915	9.35008	152.035	1.08962	1.80596	1.35820	9.43984	11.6359	12.1213
Apr.	1.37102	1.25437	9.45689	152.526	1.05940	1.87309	1.35759	9.33036	11.6961	12.1179
May	1.38432	1.23369	9.45340	153.590	1.07826	1.86883	1.34417	9.17835	11.6445	12.0657
June	1.39139	1.21923	9.43637	155.752	1.07207	1.80560	1.33406	9.06701	11.6696	11.7837
July	1.40775	1.20043	9.46925	155.627	1.07265	1.75757	1.36692	8.92698	11.1701	11.4494
Aug.	1.41339	1.19526	9.32227	156.179	1.09769	1.77182	1.36463	8.89079	11.0907	11.2683
Sep.	1.41330	1.19710	9.39576	159.222	1.05596	1.76379	1.37005	8.90916	11.2676	11.4598
Oct.	1.40469	1.20698	9.31099	158.940	1.06263	1.81106	1.40216	8.98142	11.4951	11.7369
Nov.	1.41542	1.19455	9.35209	158.527	1.05279	1.82419	1.39631	8.88936	11.7541	11.8326
Dec.	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018 Jan.	1.45712	1.16972	9.17406	158.593	1.02897	1.79124	1.35950	8.70496	11.1849	11.4288
Feb.	1.44589	1.18379	9.15466	155.173	1.04457	1.85204	1.36405	8.81516	11.3826	11.9372
Mar.	1.45386	1.17983	9.12359	154.386	1.03379	1.87436	1.39087	8.76017	11.3360	12.1521
Apr.	1.43806	1.19055	9.11835	157.195	1.04777	1.84590	1.42282	8.86965	11.5031	12.4786
May	1.41665	1.21092	9.06939	153.933	1.06307	1.83428	1.39710	9.01356	11.5491	12.4505
June	1.40657	1.20653	9.31828	155.356	1.07049	1.85217	1.39764	8.99167	11.4759	12.6027
July	1.40487	1.19706	9.59647	155.898	1.06728	1.82872	1.38822	8.91798	11.4126	12.2955
Aug.	1.40139	1.20280	9.57341	155.554	1.07754	1.82016	1.35409	8.96789	11.6851	12.7588
Sep.	1.39525	1.20530	9.60126	158.319	1.06990	1.82898	1.36232	8.98723	11.4099	12.3582
Oct.	1.38213	1.22118	9.63577	156.512	1.08198	1.81639	1.38945	9.11170	11.6657	12.6669
Nov.	1.38323	1.21773	9.60412	156.899	1.08446	1.83983	1.38053	9.08694	11.8607	12.5719
Dec.	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768
2019 Jan.	1.40070	1.21927	9.39364	152.564	1.06683	1.84108	1.39089	9.10274	11.7810	12.6277
Feb.	1.39798	1.22458	9.35008	155.021	1.05087	1.84099	1.38854	9.13676	11.9112	12.9179
Mar.	1.38825	1.23565	9.33053	153.985	1.05929	1.85512	1.38256	9.22441	11.9351	12.8859
Apr.	1.38576	1.23530	9.34152	154.789	1.06511	1.86011	1.41237	9.22101	11.9426	13.1801
May	1.37762	1.23542	9.51040	150.615	1.09504	1.86351	1.38444	9.22739	12.0966	13.1570
June	1.39021	1.22163	9.54627	149.698	1.09573	1.81937	1.35532	9.11768	11.8422	12.8891
July	1.37542	1.23345	9.46755	149.315	1.13063	1.80840	1.36159	9.21065	12.0604	13.1541
Aug.	1.36834	1.23989	9.77011	145.632	1.12362	1.82130	1.35363	9.24488	12.4460	13.3967
Sep.	1.36331	1.25200	9.71931	147.169	1.10829	1.80543	1.35697	9.34763	12.3889	13.3668

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 July	1	1.38809	1.22309	9.49911	150.247	1.09843	.	1.36359	9.13000	11.8454	12.9184
	2	1.38577	1.22623	9.52508	150.245	1.09742	1.81729	1.36934	9.15240	11.8595	12.9455
	3	1.38572	1.22706	9.54208	149.103	1.10235	.	1.36403	9.15885	11.8526	12.9382
	5	1.38388	1.22903	9.51864	149.266	1.10291	.	1.36693	.	.	.
	8	1.38118	1.23155	9.50869	149.885	1.10291	1.80672	1.36999	9.19118	11.9263	13.0276
	9	1.37979	1.23140	9.49433	150.204	1.10693	1.81125	1.37227	9.19050	11.9425	13.0550
	10	1.38036	1.23026	9.50308	150.321	1.10694	1.80716	1.36897	9.18223	11.9249	13.0704
	11	1.38454	1.22688	9.50652	149.724	1.10234	1.80973	1.36516	9.16154	11.8177	13.0113
	12	1.38326	1.22924	9.51475	149.945	1.10378	1.80350	1.36479	9.17903	11.8262	12.9548
	15	1.38474	1.22881	9.51900	.	1.10373	1.80557	1.36044	9.17549	11.8239	12.9555
	16	1.38142	1.23088	9.49830	149.124	1.11243	1.80302	1.36228	9.19194	11.8082	12.9323
	17	1.38078	1.23120	9.49938	149.359	1.11309	1.80234	1.36677	9.19329	11.8466	12.9679
	18	1.38143	1.23166	9.50065	148.780	1.10732	1.80540	1.36534	9.19701	11.8780	12.9293
	19	1.38342	1.23234	9.51004	148.718	1.10294	1.80827	1.35901	9.20090	11.8475	12.9041
	22	1.38183	1.23212	9.50597	149.182	1.10830	1.81061	1.35606	9.19912	11.8623	12.9733
	23	1.37988	1.23502	9.49127	149.096	1.10741	1.81344	1.35670	9.22050	11.9561	13.0233
	24	1.37954	1.23837	9.49055	149.225	1.10200	1.81231	1.35878	9.24437	11.9324	13.0812
	25	1.37878	1.24046	9.47580	149.142	1.10346	1.81254	1.35906	9.25986	11.9157	13.0213
	26	1.37724	1.23652	9.47400	149.637	1.10813	1.81547	1.36718	9.23216	11.9835	13.0373
	29	1.37567	1.23722	9.48128	149.191	1.11680	1.81024	1.36446	9.23813	11.9931	13.0795
	30	1.37551	1.23320	9.46781	149.628	1.13030	1.81128	1.36197	9.20785	12.0074	13.1296
	31	1.37542	1.23345	9.46755	149.315	1.13063	1.80840	1.36159	9.21065	12.0604	13.1541
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

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 <sup>1</sup>
	US dollar	Euro	Exchange rate anchor Composite	Other			
<b>No separate legal tender</b>	Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste	Kosovo Montenegro San Marino		Kiribati Nauru Tuvalu			
<b>Currency board</b>	Djibouti Hong Kong  <b>ECCU <sup>2</sup></b> Antigua and Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria		Brunei Darussalam			
<b>Conventional peg</b>	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 <sup>4</sup> Sao Tome and Principe  <b>WAEMU <sup>5</sup></b> Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo  <b>CAEMC <sup>6</sup></b> Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Libya Morocco	Bhutan Eswatini Lesotho Namibia Nepal			Samoa <sup>3</sup> Solomon Islands <sup>3</sup>
<b>Stabilised arrangement</b>	Guyana Lebanon Maldives Trinidad and Tobago	Croatia North Macedonia	Singapore Viet Nam <sup>7</sup>		Angola <sup>7</sup> Bolivia, Plurinational State of <sup>7</sup> Ethiopia <sup>7</sup> Guinea <sup>7</sup> Malawi <sup>7</sup> Myanmar <sup>7</sup> Nigeria <sup>7</sup> Suriname <sup>7</sup> Tajikistan <sup>7,9</sup> Tanzania, United Republic of <sup>7</sup> Yemen <sup>7</sup>	Guatemala <sup>7</sup> Indonesia <sup>7</sup>	Azerbaijan <sup>7</sup> Egypt <sup>7</sup> Kenya <sup>7,8</sup> Pakistan <sup>7</sup> South Sudan <sup>7</sup> Uzbekistan <sup>7</sup>
<b>Crawling peg</b>	Honduras Nicaragua		Botswana				

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

Currency Union. <sup>3</sup> The country maintains a de facto exchange rate anchor to a composite. <sup>4</sup> The member participates in ERM II. <sup>5</sup> The members participate in the West African Economic and Monetary Union. <sup>6</sup> The members participate in the Central African Economic and Monetary Community. <sup>7</sup> 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 <sup>1</sup>
	US dollar	Euro	Exchange rate anchor Composite	Other			
<b>Crawl-like arrangement</b>			Iran, Islamic Republic of <sup>7</sup>		Afghanistan <sup>7</sup> Bangladesh <sup>7</sup> Burundi <sup>7</sup> China <sup>3</sup> Rwanda <sup>7</sup>	Costa Rica <sup>7</sup> Dominican Republic <sup>7</sup> Serbia <sup>10</sup>	Haiti <sup>7</sup> Lao People's Democratic Republic <sup>7,11</sup> Mauritania <sup>7</sup> Papua New Guinea <sup>7</sup> Sri Lanka <sup>7,8</sup> Tunisia <sup>8,10</sup>
<b>Pegged exchange rate within horizontal bands</b>							Tonga <sup>3</sup>
<b>Other managed arrangement</b>	Cambodia Liberia Zimbabwe		Syrian Arab Republic		Algeria Belarus Congo, Democratic Republic of the Gambia Sierra Leone		Kyrgyzstan Sudan <sup>11</sup> Vanuatu Venezuela, Bolivarian Republic of
<b>Floating</b>					Argentina Madagascar Seychelles	Albania Armenia Brazil Colombia Czechia Georgia Ghana Hungary Iceland India Israel Jamaica <sup>9,11</sup> Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Romania South Africa Thailand Turkey Uganda Ukraine Uruguay	Malaysia Mauritius Mongolia <sup>8</sup> Mozambique <sup>8</sup> Switzerland Zambia
<b>Free floating</b>						Australia Canada Chile Japan Mexico Norway Poland Russian Federation Sweden United Kingdom	Somalia <sup>12</sup> United States  <b>Euro area</b> 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. <sup>8</sup> The central bank has taken preliminary steps toward inflation targeting. <sup>9</sup> The exchange rate arrangement was reclassified twice during this reporting period. <sup>10</sup> The country maintains a de facto exchange rate anchor to the euro. <sup>11</sup> The exchange rate arrangement or monetary policy frame-

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

## VII. ISO currency codes \*

As of end-September 2019

ISO code	Currency	Country <sup>1</sup> or territory	ISO code	Currency	Country <sup>1</sup> or territory	ISO code	Currency	Country <sup>1</sup> or territory
AED	United Arab Emirates dirham	United Arab Emirates	CUC	Convertible peso	Cuba <sup>1</sup>	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. <sup>1</sup> 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](http://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](http://www.ecb.europa.eu)).

### ■ Indicators of the German economy's price competitiveness

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

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

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

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

## Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro°

Figures in %

As of August 2017

Trading partner	Calculation period for weights <sup>1</sup>											
	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
<b>EER-38 group</b>							100	100	100	100	100	100
<b>EER-19 group</b>	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
<b>Additional countries in the EER-38 group</b>												
Algeria							0.31	0.28	0.35	0.38	0.40	0.44
Argentina							0.58	0.50	0.27	0.30	0.38	0.31
Brazil							1.57	1.43	1.27	1.40	1.47	1.26
Chile							0.35	0.32	0.43	0.42	0.42	0.33
China (Taiwan)							2.37	2.44	1.92	1.52	1.51	1.42
Iceland							0.05	0.06	0.08	0.09	0.08	0.06
India							1.54	1.44	1.85	2.22	2.53	2.40
Indonesia							1.04	0.83	0.62	0.62	0.69	0.68
Israel							1.06	1.02	0.73	0.68	0.69	0.71
Malaysia							1.24	1.19	1.15	1.06	1.02	0.97
Mexico							0.89	1.22	1.20	1.21	1.34	1.44
Morocco							0.64	0.63	0.62	0.59	0.59	0.64
New Zealand							0.13	0.11	0.13	0.11	0.10	0.12
Philippines							0.40	0.52	0.42	0.30	0.29	0.34
Russian Federation							2.58	1.90	3.04	3.51	3.49	3.00
South Africa							0.98	0.93	1.06	0.96	0.99	0.85
Thailand							1.26	1.04	1.07	1.12	1.13	1.12
Turkey							2.19	2.24	3.09	3.18	3.31	3.35
Venezuela, Bolivarian Republic of							0.26	0.23	0.16	0.15	0.15	0.09

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

## ■ Overview of world currencies

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

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

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

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

## ■ Value of the special drawing right

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

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

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

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

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

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

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

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

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

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

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

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

## Global exchange rate arrangements and monetary policy framework

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

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

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

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

The monetary policy frameworks listed are as follows.

### Exchange rate anchor

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

### Monetary aggregate target

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

### Inflation-targeting framework

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

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

**Other**

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





# Explanatory notes on individual countries

## Angola

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

## Argentina

Upon announcement of the election results, on 12 August 2019 the Argentine peso depreciated by 14.7%. With the financial and sovereign debt crisis escalating and the currency depreciating further, capital controls were imposed at the beginning of September.

## 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 bureaux (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 bureaux.

Bureau de change rate

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

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

## Iraq

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

## Kenya

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

## Lesotho

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

## Liberia

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

## Macao

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

## Mali

See Explanatory notes on Benin.

## Namibia

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

### **New Caledonia**

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

### **Niger**

See Explanatory notes on Benin.

### **Nigeria**

Alongside the official published reference exchange rates, there are bureau de change rates, which deviate. According to financial information providers, the exchange rate was around 360 naira to the US dollar at the end of August 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.