



# Exchange rate statistics November 2018

Statistical Supplement 5  
to the Monthly Report

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Banking statistics	monthly
Capital market statistics	monthly
Balance of payments statistics	monthly
Seasonally adjusted business statistics	monthly

Selected updated statistics are also available on the website.

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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	Data unknown, not to be published or not meaningful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
2018 Aug.	1	1.9558	7.4020	25.590	7.4514	321.36	4.2720	4.6240	10.2995
	2	1.9558	7.4068	25.589	7.4515	321.83	4.2820	4.6227	10.3003
	3	1.9558	7.4068	25.657	7.4526	320.75	4.2612	4.6202	10.3193
	6	1.9558	7.4180	25.650	7.4520	320.54	4.2731	4.6272	10.3040
	7	1.9558	7.4176	25.606	7.4520	319.94	4.2523	4.6433	10.3245
	8	1.9558	7.4320	25.578	7.4534	319.26	4.2597	4.6430	10.3878
	9	1.9558	7.4383	25.570	7.4566	320.20	4.2739	4.6491	10.3875
	10	1.9558	7.4333	25.635	7.4544	322.77	4.2911	4.6583	10.4258
	13	1.9558	7.4270	25.656	7.4536	323.90	4.2965	4.6588	10.4093
	14	1.9558	7.4248	25.692	7.4545	322.74	4.2993	4.6565	10.3718
	15	1.9558	7.4218	25.705	7.4574	324.93	4.3284	4.6553	10.4033
	16	1.9558	7.4225	25.702	7.4573	324.51	4.3142	4.6603	10.4663
	17	1.9558	7.4225	25.729	7.4578	323.88	4.3115	4.6558	10.4935
	20	1.9558	7.4170	25.706	7.4588	323.53	4.3037	4.6490	10.4918
	21	1.9558	7.4195	25.737	7.4584	323.43	4.3081	4.6415	10.5118
	22	1.9558	7.4295	25.725	7.4588	322.94	4.2821	4.6485	10.5075
	23	1.9558	7.4373	25.713	7.4590	323.82	4.2782	4.6380	10.5183
	24	1.9558	7.4385	25.744	7.4592	324.30	4.2788	4.6393	10.5843
	27	1.9558	7.4375	25.744	7.4582	323.87	4.2710	4.6423	10.6095
	28	1.9558	7.4325	25.713	7.4574	323.79	4.2723	4.6464	10.6633
	29	1.9558	7.4370	25.745	7.4571	324.63	4.2838	4.6417	10.6923
	30	1.9558	7.4405	25.749	7.4568	326.32	4.2882	4.6437	10.6440
	31	1.9558	7.4380	25.735	7.4558	326.25	4.2913	4.6437	10.6205
Sep.	3	1.9558	7.4328	25.749	7.4536	326.58	4.2952	4.6338	10.5806
	4	1.9558	7.4303	25.728	7.4546	327.51	4.3046	4.6328	10.5645
	5	1.9558	7.4300	25.746	7.4559	327.81	4.3249	4.6378	10.5408
	6	1.9558	7.4341	25.715	7.4567	326.49	4.3183	4.6385	10.5908
	7	1.9558	7.4253	25.697	7.4580	324.65	4.3081	4.6413	10.5163
	10	1.9558	7.4203	25.648	7.4579	325.08	4.3169	4.6308	10.4683
	11	1.9558	7.4205	25.646	7.4595	324.77	4.3094	4.6323	10.4850
	12	1.9558	7.4350	25.590	7.4594	325.73	4.3099	4.6380	10.4740
	13	1.9558	7.4360	25.520	7.4596	325.11	4.3098	4.6388	10.4460
	14	1.9558	7.4333	25.473	7.4596	323.63	4.3049	4.6467	10.5460
	17	1.9558	7.4298	25.457	7.4594	324.50	4.2955	4.6431	10.4527
	18	1.9558	7.4295	25.448	7.4602	323.82	4.3008	4.6492	10.4179
	19	1.9558	7.4285	25.434	7.4597	323.39	4.2951	4.6523	10.3878
	20	1.9558	7.4265	25.560	7.4592	323.75	4.2925	4.6545	10.3350
	21	1.9558	7.4278	25.585	7.4597	324.05	4.2946	4.6581	10.3315
	24	1.9558	7.4265	25.615	7.4597	323.49	4.3009	4.6579	10.3563
	25	1.9558	7.4285	25.613	7.4597	324.08	4.2930	4.6618	10.3515
	26	1.9558	7.4275	25.605	7.4584	323.85	4.2826	4.6611	10.3763
	27	1.9558	7.4318	25.715	7.4591	323.70	4.2779	4.6701	10.3208
	28	1.9558	7.4346	25.731	7.4564	324.37	4.2774	4.6638	10.3090
Oct.	1	1.9558	7.4330	25.765	7.4557	323.04	4.2796	4.6605	10.3300
	2	1.9558	7.4316	25.788	7.4561	323.47	4.2907	4.6671	10.3815
	3	1.9558	7.4270	25.779	7.4567	322.87	4.2956	4.6648	10.3795
	4	1.9558	7.4240	25.780	7.4567	324.43	4.3071	4.6723	10.4015
	5	1.9558	7.4225	25.742	7.4589	324.59	4.3045	4.6708	10.4438
	8	1.9558	7.4225	25.737	7.4599	324.94	4.3081	4.6675	10.4463
	9	1.9558	7.4200	25.805	7.4592	325.29	4.3155	4.6675	10.4445
	10	1.9558	7.4100	25.807	7.4601	325.05	4.3096	4.6640	10.4800
	11	1.9558	7.4170	25.848	7.4603	324.97	4.3167	4.6673	10.4120
	12	1.9558	7.4115	25.777	7.4602	324.15	4.2936	4.6613	10.3593
	15	1.9558	7.4135	25.798	7.4609	323.45	4.2942	4.6673	10.3920
	16	1.9558	7.4168	25.821	7.4609	322.06	4.2890	4.6680	10.3165
	17	1.9558	7.4165	25.843	7.4604	322.55	4.2940	4.6658	10.3148
	18	1.9558	7.4210	25.863	7.4606	322.42	4.2989	4.6683	10.3330
	19	1.9558	7.4295	25.867	7.4606	323.20	4.3017	4.6665	10.3358
	22	1.9558	7.4325	25.848	7.4603	323.12	4.2905	4.6669	10.3310
	23	1.9558	7.4275	25.814	7.4603	322.81	4.2960	4.6670	10.3606
	24	1.9558	7.4273	25.833	7.4604	323.22	4.3053	4.6590	10.3590
	25	1.9558	7.4319	25.831	7.4610	323.91	4.3094	4.6647	10.3930
	26	1.9558	7.4325	25.860	7.4607	324.41	4.3177	4.6606	10.4025
	29	1.9558	7.4316	25.849	7.4614	324.40	4.3182	4.6647	10.3910
	30	1.9558	7.4315	25.870	7.4614	324.95	4.3307	4.6670	10.4200
	31	1.9558	7.4325	25.922	7.4614	325.10	4.3392	4.6643	10.4015
Nov.	1	1.9558	7.4360	25.879	7.4604	322.96	4.3269	4.6640	10.3158
	2	1.9558	7.4393	25.782	7.4603	321.62	4.3202	4.6612	10.3123
	5	1.9558	7.4383	25.846	7.4596	322.44	4.3126	4.6608	10.3268
	6	1.9558	7.4383	25.833	7.4593	322.06	4.3088	4.6647	10.3470
	7	1.9558	7.4338	25.880	7.4598	321.76	4.2940	4.6621	10.3313
	8	1.9558	7.4315	25.887	7.4597	321.44	4.2915	4.6602	10.2528

\* 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	
0.89040	1.5767	4.4028	1.5231	7.9519	9.1807	123.40	79.9705		2018 Aug. 1	
0.89145	1.5781	4.3906	1.5144	7.9518	9.1185	124.00	79.7915		2	
0.89050	1.5689	4.3394	1.5085	7.9195	9.0955	123.60	79.5120		3	
0.89280	1.5629	4.2788	1.5032	7.9066	9.0605	123.80	79.4900		6	
0.89483	1.5599	4.3051	1.5047	7.9171	9.1065	123.80	79.6850		7	
0.90085	1.5647	4.3533	1.5158	7.9231	9.0971	124.00	79.5295		8	
0.89940	1.5626	4.3939	1.5111	7.9053	9.1003	124.40	79.5825		9	
0.89675	1.5675	4.3904	1.5002	7.8468	8.9928	124.60	78.8520		10	
0.89330	1.5670	4.4554	1.4996	7.8537	8.9511	124.20	79.8405		13	
0.89300	1.5696	4.4144	1.4909	7.8488	8.9537	124.00	79.7315		14	
0.89130	1.5669	4.4264	1.4833	7.8298	8.8869	124.20	79.1635		15	
0.89498	1.5647	4.4228	1.4942	7.8396	8.9250	123.60	79.8070		16	
0.89575	1.5670	4.5001	1.4976	7.8420	8.9412	122.80	79.9195		17	
0.89478	1.5631	4.4818	1.4927	7.8351	8.9645	123.00	79.7400		20	
0.89740	1.5657	4.5623	1.4978	7.8748	9.0290	124.20	80.3015		21	
0.89928	1.5785	4.6912	1.5126	7.9470	9.1184	124.80	81.1900		22	
0.89878	1.5888	4.6976	1.5089	7.9643	9.0895	125.00	81.1815		23	
0.90200	1.5868	4.7375	1.5143	7.9326	9.0965	125.00	81.0115		24	
0.90365	1.5886	4.7606	1.5182	7.9396	9.1318	124.60	81.6230		27	
0.90680	1.5924	4.7909	1.5128	7.9641	9.1922	124.70	82.0965		28	
0.90500	1.5989	4.8451	1.5093	7.9629	9.1524	124.90	82.3405		29	
0.89758	1.6015	4.8221	1.5117	7.9887	9.1773	125.10	82.7150		30	
0.89740	1.6129	4.8591	1.5192	7.9664	9.1453	124.70	82.7245		31	
0.90158	1.6109	4.7859	1.5175	7.9219	9.1129	125.10	82.6735	Sep.	3	
0.90058	1.6091	4.8358	1.5234	7.9079	9.0758	126.10	82.7665		4	
0.90328	1.6144	4.8364	1.5263	7.9128	9.0913	127.00	83.1035		5	
0.89824	1.6164	4.7918	1.5338	7.9451	9.1324	127.80	83.7175		6	
0.89275	1.6219	4.7150	1.5238	7.9476	9.1175	129.50	83.3200		7	
0.89340	1.6257	4.7135	1.5268	7.9413	9.0831	129.50	83.8375		10	
0.89068	1.6310	4.8011	1.5231	7.9499	9.0850	131.50	84.0965		11	
0.89028	1.6268	4.7859	1.5137	7.9588	9.0934	132.10	83.6705		12	
0.89000	1.6167	4.8214	1.5112	7.9542	9.1204	131.10	83.7000		13	
0.89228	1.6260	4.8921	1.5206	8.0120	9.1725	128.60	83.9460		14	
0.88875	1.6258	4.8942	1.5193	8.0139	9.1579	127.80	84.6355		17	
0.88963	1.6244	4.8481	1.5237	8.0317	9.1755	127.60	85.3610		18	
0.88813	1.6109	4.8582	1.5136	7.9983	9.1515	128.40	84.4515		19	
0.88590	1.6158	4.8390	1.5174	8.0559	9.2313	129.60	84.7510		20	
0.89400	1.6154	4.7920	1.5197	8.0503	9.1840	129.40	84.8905		21	
0.89458	1.6187	4.7822	1.5231	8.0729	9.1941	129.80	85.5665		24	
0.89425	1.6234	4.8532	1.5262	8.0958	9.1974	130.70	85.6125		25	
0.89080	1.6202	4.7985	1.5214	8.0685	9.1676	128.90	85.2190		26	
0.88973	1.6200	4.7290	1.5301	8.0550	9.1478	128.70	84.9830		27	
0.88730	1.6048	4.6535	1.5064	7.9662	9.0579	128.70	83.9160		28	
0.89078	1.6070	4.6869	1.4867	7.9720	9.0848	129.30	84.6215	Oct.	1	
0.89043	1.6081	4.6002	1.4795	7.9287	9.0442	129.70	84.7000		2	
0.88895	1.6146	4.4737	1.4820	7.9321	9.0498	130.90	84.7170		3	
0.88580	1.6234	4.5116	1.4800	7.9006	9.0114	130.90	84.6280		4	
0.88165	1.6270	4.4216	1.4862	7.9033	9.0137	131.10	84.8835		5	
0.88010	1.6242	4.3093	1.4915	7.9502	8.9874	131.60	85.0080		8	
0.87680	1.6203	4.3112	1.4861	7.9185	8.9590	132.00	85.0840		9	
0.87448	1.6206	4.2893	1.4907	7.9621	9.0126	133.60	85.3605		10	
0.87490	1.6314	4.3270	1.5102	7.9982	9.0723	134.40	85.7615		11	
0.87640	1.6236	4.3784	1.5054	8.0043	9.0696	134.40	85.1445		12	
0.88045	1.6231	4.3498	1.5085	8.0135	9.0767	134.60	85.4735		15	
0.87593	1.6243	4.3017	1.5010	8.0095	9.0806	135.80	85.1200		16	
0.87945	1.6190	4.3090	1.4957	7.9887	9.0373	137.20	84.8915		17	
0.87843	1.6119	4.2453	1.5009	7.9835	9.0192	136.80	84.6850		18	
0.88020	1.6065	4.2362	1.4947	7.9489	8.9915	134.50	84.1230		19	
0.88425	1.6185	4.2590	1.5044	7.9801	9.0107	135.20	84.5460		22	
0.88103	1.6243	4.2412	1.5047	7.9613	8.9990	136.30	84.4435		23	
0.88233	1.6067	4.2198	1.4900	7.9090	8.9308	137.30	83.3255		24	
0.88533	1.6095	4.2357	1.4893	7.9276	8.9502	137.10	83.6525		25	
0.88680	1.6142	4.2125	1.4916	7.8801	8.8950	137.10	83.3400		26	
0.88788	1.6061	4.1231	1.4917	7.9195	8.9270	137.50	83.5595		29	
0.89148	1.6025	4.2282	1.4941	7.9203	8.9229	137.70	83.7280		30	
0.88873	1.5972	4.1943	1.4856	7.8935	8.8787	137.70	83.7305		31	
0.88173	1.5857	4.2078	1.4904	7.9046	8.9293	137.90	83.6800	Nov.	1	
0.87870	1.5840	4.2205	1.4956	7.8712	8.9391	138.10	82.7085		2	
0.87535	1.5803	4.2253	1.4887	7.8780	8.9047	137.90	83.0920		5	
0.87313	1.5789	4.2833	1.4996	7.9015	8.9510	137.90	83.3785		6	
0.87403	1.5750	4.3061	1.5019	7.9426	8.9935	138.10	83.2800		7	
0.87163	1.5668	4.2622	1.4972	7.9192	8.9414	138.30	82.7195		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	
2018	Aug. 1	16,889.02	4.2968	130.81	1,307.40	4.7556	21.8040	1.7187	9.5380	
	2	16,815.61	4.2850	129.43	1,312.72	4.7351	21.7923	1.7204	9.5460	
	3	16,760.07	4.2798	129.30	1,303.12	4.7164	21.6300	1.7170	9.5410	
	6	16,703.00	4.2784	128.68	1,299.27	4.7090	21.4484	1.7154	9.5325	
	7	16,741.69	4.2749	128.88	1,299.37	4.7296	21.3613	1.7191	9.5003	
	8	16,728.72	4.2698	128.72	1,298.58	4.7188	21.4471	1.7202	9.5303	
	9	16,705.51	4.2714	128.84	1,298.03	4.7247	21.5453	1.7421	9.5443	
	10	16,583.56	4.2485	127.07	1,293.54	4.6809	21.6533	1.7365	9.5330	
	13	16,642.68	4.2227	126.11	1,294.47	4.6667	21.8950	1.7335	9.5295	
	14	16,629.95	4.2106	126.42	1,286.60	4.6624	21.6516	1.7277	9.5275	
	15	16,528.66	4.1810	125.67	1,285.49	4.6456	21.6735	1.7267	9.5508	
	16	16,611.57	4.1953	126.02	1,284.56	4.6590	21.6972	1.7267	9.6130	
	17	16,674.15	4.1815	125.75	1,282.38	4.6811	21.7831	1.7254	9.6795	
	20	16,661.78	4.1814	126.25	1,281.69	4.6828	21.6300	1.7255	9.6720	
	21	16,787.17	4.2054	127.01	1,287.79	4.7164	21.7805	1.7281	9.7050	
	22	16,936.13	4.2230	128.08	1,298.95	4.7655	21.8821	1.7319	9.6808	
	23	16,940.08	4.2102	128.31	1,299.75	4.7532	21.7438	1.7352	9.6483	
	24	16,950.93	4.2086	128.97	1,292.41	4.7500	21.9191	1.7384	9.6938	
	27	17,015.88	4.2281	129.16	1,294.41	4.7777	21.8104	1.7415	9.6988	
	28	17,122.36	4.2431	130.03	1,294.67	4.7970	21.9495	1.7444	9.7243	
	29	17,087.73	4.2432	129.73	1,299.27	4.8076	22.3252	1.7413	9.7475	
	30	17,175.55	4.2220	130.32	1,297.53	4.8048	22.2356	1.7534	9.7200	
	31	17,230.00	4.1994	129.05	1,301.91	4.7967	22.3628	1.7559	9.7148	
	Sep.	3	17,290.44	4.1992	129.03	1,291.04	4.7908	22.3082	1.7565	9.7020
		4	17,268.00	4.1890	128.60	1,292.13	4.7861	22.4548	1.7649	9.7170
		5	17,297.72	4.1894	129.17	1,299.75	4.8088	22.6600	1.7637	9.7485
		6	17,323.54	4.1706	129.55	1,304.76	4.8120	22.3653	1.7633	9.7760
		7	17,213.43	4.1637	128.74	1,304.07	4.8165	22.2326	1.7647	9.7745
		10	17,187.56	4.1500	128.54	1,306.49	4.8021	22.3173	1.7706	9.7030
		11	17,210.54	4.1470	128.82	1,306.14	4.8044	22.3500	1.7773	9.6790
		12	17,174.76	4.1524	129.13	1,307.37	4.8037	22.1760	1.7772	9.6328
13		17,199.92	4.1552	129.68	1,302.88	4.8159	22.0335	1.7743	9.5730	
14		17,305.56	4.1698	130.75	1,307.93	4.8375	21.9805	1.7778	9.6245	
17		17,351.27	4.1866	130.79	1,312.95	4.8300	21.9710	1.7742	9.5620	
18		17,379.40	4.1891	131.21	1,315.11	4.8455	22.0671	1.7752	9.5473	
19		17,355.00	4.1775	130.94	1,308.76	4.8336	21.8681	1.7684	9.5470	
20		17,471.00	4.2052	131.98	1,316.62	4.8694	22.0233	1.7643	9.5885	
21	17,424.92	4.2043	132.44	1,312.42	4.8565	22.2132	1.7606	9.5793		
24	17,512.34	4.2079	132.56	1,315.12	4.8611	22.1852	1.7651	9.5693		
25	17,571.00	4.2159	132.78	1,316.95	4.8672	22.3696	1.7696	9.5713		
26	17,532.20	4.2117	132.61	1,309.19	4.8603	22.3375	1.7668	9.5465		
27	17,450.33	4.2188	132.15	1,301.82	4.8398	22.0889	1.7638	9.5015		
28	17,249.98	4.2118	131.23	1,285.75	4.7890	21.7800	1.7505	9.4665		
Oct.	1	17,304.55	4.2251	132.25	1,290.16	4.8049	21.5632	1.7572	9.4465	
	2	17,366.44	4.2098	131.46	1,290.52	4.7805	21.6631	1.7523	9.4393	
	3	17,401.61	4.2007	131.47	1,293.30	4.7809	21.6818	1.7617	9.4443	
	4	17,448.53	4.1862	131.31	1,298.27	4.7699	21.9097	1.7706	9.4643	
	5	17,466.11	4.1782	131.03	1,298.24	4.7750	21.8800	1.7784	9.5133	
	8	17,466.65	4.1605	130.11	1,304.77	4.7685	21.6360	1.7795	9.5083	
	9	17,486.00	4.1617	129.45	1,301.02	4.7541	21.7228	1.7784	9.4915	
	10	17,483.45	4.1707	130.23	1,307.75	4.7760	21.9436	1.7792	9.4468	
	11	17,634.51	4.2084	130.00	1,320.70	4.8140	22.1014	1.7852	9.5063	
	12	17,598.27	4.2000	129.99	1,309.22	4.8084	21.8434	1.7768	9.4675	
	15	17,614.70	4.2011	129.53	1,307.61	4.8131	21.8192	1.7723	9.4598	
	16	17,570.93	4.2225	129.92	1,301.92	4.8083	21.7751	1.7604	9.4198	
	17	17,489.57	4.2076	129.43	1,299.48	4.7881	21.7267	1.7563	9.4293	
	18	17,480.12	4.2009	129.44	1,306.55	4.7821	21.8143	1.7522	9.4598	
	19	17,420.06	4.1957	129.05	1,296.11	4.7681	21.8911	1.7379	9.4518	
	22	17,467.72	4.2038	129.63	1,300.75	4.7797	22.1820	1.7492	9.4688	
	23	17,435.02	4.2086	128.76	1,305.81	4.7778	22.2469	1.7514	9.5053	
24	17,307.86	4.1927	128.37	1,291.15	4.7452	22.0293	1.7408	9.4868		
25	17,338.05	4.2083	128.27	1,296.40	4.7599	22.2550	1.7473	9.4898		
26	17,252.40	4.2028	127.13	1,298.16	4.7498	22.1824	1.7535	9.5160		
29	17,320.74	4.2170	127.92	1,297.35	4.7538	22.3632	1.7401	9.5130		
30	17,301.42	4.2159	128.28	1,295.91	4.7558	22.7513	1.7349	9.5435		
31	17,206.19	4.2119	128.15	1,291.10	4.7360	22.9029	1.7322	9.5528		
Nov.	1	17,192.30	4.2245	128.52	1,285.70	4.7674	22.9917	1.7190	9.5150	
	2	17,031.88	4.2160	128.89	1,276.25	4.7483	22.8399	1.7154	9.5143	
	5	17,027.71	4.2089	128.81	1,278.67	4.7475	22.8514	1.7085	9.5240	
	6	16,916.30	4.2135	129.31	1,280.90	4.7604	22.7736	1.7105	9.5448	
	7	16,748.05	4.2182	130.02	1,286.25	4.7734	22.6326	1.6954	9.5328	
	8	16,610.50	4.1950	129.90	1,275.88	4.7563	22.6860	1.6838	9.5078	

\* See Explanatory notes, p. 51.

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

Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States	
Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD	Period
61.940	73.4672	1.5922	15.5145	1.1589	38.725	5.7654	1.1696	2018 Aug. 1
61.690	73.4819	1.5877	15.6218	1.1550	38.690	5.8720	1.1617	2
61.503	73.3448	1.5838	15.4869	1.1528	38.547	5.8958	1.1588	3
61.036	73.4661	1.5799	15.4967	1.1513	38.496	5.9627	1.1543	6
61.279	73.5837	1.5822	15.4174	1.1530	38.519	6.1448	1.1602	7
61.466	75.0618	1.5814	15.5607	1.1544	38.499	6.1257	1.1589	8
61.479	76.5157	1.5805	15.6450	1.1512	38.460	6.2639	1.1593	9
60.833	76.8097	1.5708	15.9272	1.1391	38.114	6.9309	1.1456	10
60.963	77.4814	1.5689	16.3821	1.1338	38.069	7.8651	1.1403	13
61.011	75.8530	1.5669	16.1844	1.1298	37.953	7.4283	1.1406	14
60.692	75.9875	1.5627	16.5709	1.1289	37.773	6.9375	1.1321	15
60.765	76.2551	1.5648	16.5835	1.1299	37.822	6.6368	1.1370	16
60.876	76.8166	1.5651	16.9966	1.1338	37.869	7.0282	1.1391	17
60.953	76.7235	1.5665	16.6561	1.1366	37.726	6.9863	1.1420	20
61.471	77.6921	1.5736	16.6146	1.1372	37.646	7.0657	1.1502	21
62.028	78.9307	1.5860	16.5803	1.1401	38.019	7.0071	1.1616	22
61.928	78.5871	1.5864	16.4705	1.1383	37.956	7.0273	1.1579	23
61.882	78.2390	1.5863	16.5129	1.1398	37.887	7.0204	1.1588	24
61.997	78.2795	1.5884	16.6464	1.1428	37.929	7.2082	1.1633	27
62.387	79.0727	1.5945	16.5894	1.1427	38.098	7.3316	1.1710	28
62.375	79.4075	1.5941	16.8176	1.1385	38.140	7.5236	1.1660	29
62.532	79.2207	1.5968	17.0100	1.1339	38.239	7.8560	1.1692	30
62.318	79.0967	1.5965	17.1728	1.1281	38.175	7.6386	1.1651	31
62.141	79.0830	1.5925	17.2753	1.1268	38.014	7.7104	1.1609	Sep. 3
61.950	79.0289	1.5911	17.6197	1.1261	37.952	7.7188	1.1562	4
62.273	79.2265	1.5965	17.9906	1.1288	38.035	7.7240	1.1582	5
62.592	79.5747	1.6000	17.8233	1.1275	38.130	7.6282	1.1634	6
62.453	80.6765	1.5976	17.5530	1.1217	38.080	7.4772	1.1615	7
62.397	81.2688	1.5966	17.5532	1.1267	38.017	7.4763	1.1571	10
62.497	81.2488	1.5945	17.4677	1.1276	38.009	7.4953	1.1574	11
62.640	80.1609	1.5945	17.4368	1.1277	37.981	7.3781	1.1585	12
62.814	79.4322	1.5938	17.1545	1.1265	37.904	7.2068	1.1620	13
63.179	79.2016	1.6012	17.3338	1.1274	38.071	7.1474	1.1689	14
63.211	79.4113	1.6017	17.4715	1.1236	38.071	7.3332	1.1671	17
63.311	79.1659	1.6031	17.4579	1.1245	38.091	7.5053	1.1697	18
63.023	78.0688	1.5993	17.1004	1.1304	37.871	7.3236	1.1667	19
63.436	78.0670	1.6064	17.0297	1.1312	38.055	7.4320	1.1769	20
63.657	78.5108	1.6042	16.8918	1.1228	38.140	7.3935	1.1759	21
63.840	77.5752	1.6061	16.7591	1.1290	38.139	7.3093	1.1773	24
63.999	77.3603	1.6083	16.9294	1.1376	38.193	7.2323	1.1777	25
63.728	77.4075	1.6027	16.7827	1.1369	38.098	7.1820	1.1737	26
63.357	76.9011	1.5976	16.5152	1.1371	37.960	7.0415	1.1707	27
62.648	76.1422	1.5839	16.4447	1.1316	37.448	6.9650	1.1576	28
62.733	76.1229	1.5903	16.4326	1.1414	37.418	6.9080	1.1606	Oct. 1
62.680	75.4537	1.5862	16.6012	1.1354	37.365	6.9419	1.1543	2
62.677	75.7812	1.5890	16.6031	1.1412	37.398	7.0058	1.1548	3
62.482	76.6491	1.5870	16.8813	1.1409	37.537	7.0525	1.1502	4
62.455	76.6706	1.5890	16.9754	1.1433	37.745	7.0963	1.1506	5
62.051	76.7075	1.5894	17.0610	1.1396	37.826	7.0434	1.1478	8
62.027	76.3635	1.5859	17.1823	1.1381	37.850	7.0183	1.1435	9
62.307	76.1830	1.5904	16.8243	1.1412	37.864	6.9886	1.1500	10
62.540	76.9207	1.5969	16.8958	1.1430	37.914	6.9401	1.1575	11
62.581	76.2999	1.5932	16.7000	1.1470	37.882	6.8020	1.1574	12
62.649	75.9240	1.5945	16.7129	1.1428	37.841	6.6860	1.1581	15
62.381	75.8119	1.5925	16.5064	1.1444	37.733	6.7070	1.1587	16
62.181	75.6506	1.5867	16.4471	1.1453	37.542	6.5818	1.1530	17
62.137	75.5050	1.5863	16.4104	1.1451	37.512	6.4190	1.1505	18
61.605	75.2418	1.5800	16.4499	1.1421	37.358	6.4544	1.1470	19
61.841	75.0427	1.5855	16.4250	1.1456	37.672	6.5090	1.1494	22
61.716	75.0301	1.5822	16.4759	1.1424	37.705	6.6227	1.1478	23
61.207	74.3690	1.5724	16.3455	1.1373	37.481	6.4991	1.1389	24
61.283	74.8575	1.5744	16.5315	1.1407	37.570	6.4446	1.1416	25
60.877	74.7073	1.5705	16.6992	1.1367	37.569	6.3949	1.1345	26
61.101	74.6394	1.5737	16.4761	1.1384	37.796	6.3105	1.1381	29
60.862	74.6963	1.5739	16.6291	1.1386	37.880	6.2613	1.1372	30
60.471	74.4074	1.5696	16.7942	1.1399	37.535	6.2255	1.1318	31
60.642	74.8346	1.5701	16.6021	1.1430	37.529	6.3245	1.1393	Nov. 1
60.693	75.3127	1.5686	16.3720	1.1422	37.539	6.2539	1.1417	2
60.515	75.4376	1.5651	16.3230	1.1437	37.476	6.1783	1.1370	5
60.482	75.3169	1.5693	16.2351	1.1460	37.644	6.1246	1.1428	6
60.584	75.7709	1.5729	16.0216	1.1444	37.660	6.1357	1.1487	7
60.308	75.8313	1.5663	15.9590	1.1456	37.596	6.1926	1.1424	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
2013 Sep.	1.9558	7.5985	25.789	7.4579	299.75	4.2371	4.4633	8.6758	0.84171	1.4379
Oct.	1.9558	7.6193	25.662	7.4592	294.76	4.1902	4.4444	8.7479	0.84720	1.4328
Nov.	1.9558	7.6326	26.927	7.4587	297.68	4.1887	4.4452	8.8802	0.83780	1.4473
Dec.	1.9558	7.6365	27.521	7.4602	300.24	4.1760	4.4635	8.9597	0.83639	1.5243
2014 Jan.	1.9558	7.6353	27.485	7.4614	302.48	4.1799	4.5205	8.8339	0.82674	1.5377
Feb.	1.9558	7.6574	27.444	7.4622	310.20	4.1741	4.4918	8.8721	0.82510	1.5222
Mar.	1.9558	7.6576	27.395	7.4638	311.49	4.1987	4.4933	8.8666	0.83170	1.5217
Apr.	1.9558	7.6267	27.450	7.4656	307.37	4.1853	4.4620	9.0329	0.82520	1.4831
May	1.9558	7.5952	27.437	7.4641	304.58	4.1800	4.4237	9.0298	0.81535	1.4755
June	1.9558	7.5770	27.450	7.4588	305.87	4.1352	4.3930	9.0914	0.80409	1.4517
July	1.9558	7.6146	27.458	7.4564	309.81	4.1444	4.4098	9.2327	0.79310	1.4420
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

\* 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		Period	
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK <sup>1</sup>	Indian rupee INR	Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR			
3.0345	1.3817	8.1690	10.3504	-	85.2678	15,073.16	4.7636	132.41	1,446.60	4.3410		2013 Sep.	
2.9860	1.4128	8.3226	10.5724	-	84.0071	15,109.54	4.8232	133.32	1,454.73	4.3283		Oct.	
3.0959	1.4145	8.2221	10.4604	-	84.4990	15,575.06	4.7711	134.97	1,434.06	4.3176		Nov.	
3.2133	1.4580	8.3248	10.6254	-	84.7631	16,455.73	4.8019	141.68	1,446.99	4.4517		Dec.	
3.2437	1.4884	8.2368	10.5586	-	84.5099	16,471.94	4.7569	141.47	1,453.94	4.5005		2014 Jan.	
3.2581	1.5094	8.3062	10.6012	-	84.9503	16,270.18	4.8043	139.35	1,462.51	4.5194		Feb.	
3.2187	1.5352	8.5332	10.7283	-	84.2990	15,785.89	4.8087	141.48	1,479.99	4.5361		Mar.	
3.0864	1.5181	8.5984	10.7107	-	83.3624	15,801.66	4.8010	141.62	1,441.28	4.4989		Apr.	
3.0512	1.4951	8.5658	10.6456	-	81.4318	15,830.12	4.7600	139.74	1,407.13	4.4337		May	
3.0388	1.4728	8.4698	10.5365	-	81.2046	16,167.87	4.6966	138.72	1,385.45	4.3760		June	
3.0109	1.4524	8.3940	10.4935	-	81.3058	15,789.65	4.6325	137.72	1,382.29	4.3100		July	
3.0219	1.4548	8.1965	10.3207	-	81.0709	15,603.10	4.6569	137.11	1,364.17	4.2310		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.	

## 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
2013 Sep.	17.4471	1.6406	7.9725	58.346	43.5144	1.6860	13.3287	1.2338	42.312	2.6952	1.3348
Oct.	17.7413	1.6351	8.1208	58.809	43.7440	1.6956	13.5283	1.2316	42.549	2.7095	1.3635
Nov.	17.6340	1.6327	8.2055	58.811	44.1581	1.6833	13.7626	1.2316	42.695	2.7316	1.3493
Dec.	17.8278	1.6659	8.4053	60.552	45.0628	1.7244	14.2234	1.2245	44.323	2.8276	1.3704
2014 Jan.	17.9964	1.6450	8.3927	61.263	46.0304	1.7327	14.8242	1.2317	44.822	3.0297	1.3610
Feb.	18.1561	1.6466	8.3562	61.238	48.2554	1.7295	14.9820	1.2212	44.568	3.0184	1.3659
Mar.	18.2447	1.6199	8.2906	61.901	49.9477	1.7513	14.8613	1.2177	44.765	3.0629	1.3823
Apr.	18.0485	1.6049	8.2506	61.646	49.2978	1.7345	14.5815	1.2189	44.657	2.9393	1.3813
May	17.7620	1.5957	8.1513	60.258	47.8403	1.7189	14.2995	1.2204	44.686	2.8736	1.3732
June	17.6516	1.5769	8.2149	59.543	46.7509	1.7008	14.5094	1.2181	44.195	2.8808	1.3592
July	17.5834	1.5578	8.3880	58.844	46.9984	1.6825	14.4366	1.2150	43.470	2.8699	1.3539
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

\* 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 ...

Period	EU member countries								
	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>								
2004	1.9559	7.6650	0.58000	30.464	7.4388	15.6466	245.97	0.6979	3.4528
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	–	–
	<b>Annual averages +</b>								
2004	1.9533	7.4967	0.58185	31.891	7.4399	15.6466	251.66	0.6652	3.4529
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	–	–

Period	EU member countries (cont'd)						Other European and non-European countries			
	Malta Maltese lira MTL 2	Poland Polish zloty PLN	Romania Romanian leu (old)/(new) ROL/RON 3	Slovakia Slovak koruna SKK 2	Slovenia Slovenian tolar SIT 2	Sweden Swedish krona SEK	United Kingdom Pound sterling GBP	Australia Australian dollar AUD	Brazil Brazilian real BRL 4	Canada Canadian dollar CAD
	<b>End of year</b>									
2004	0.4343	4.0845	39,390	38.745	239.7600	9.0206	0.70505	1.7459	3.6201	1.6416
2005	0.4293	3.8600	3 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
	<b>Annual averages +</b>									
2004	0.4280	4.5268	40,510	40.022	239.0874	9.1243	0.67866	1.6905	3.6362	1.6167
2005	0.4299	4.0230	3 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

\* 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 10,000 = RON 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>										
2004	11.2741	10.5881	83.60	59.2590	12,653.91	5.8922	139.65	1,410.05	5.1802	15.2235
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
<b>Annual averages +</b>										
2004	10.2967	9.6881	87.14	56.3008	11,127.34	5.5706	134.44	1,422.62	4.7273	14.0386
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

Other European and non-European countries (cont'd)											
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/ New Turkish lira TRL/TRY <sup>6</sup>	United States US dollar USD	
<b>End of year</b>											
2004	1.8871	8.2365	76.510	37.7879	2.2262	7.6897	1.5429	53.042	1,836,200	1.3621	
2005	1.7270	7.9850	62.719	33.9200	1.9628	7.4642	1.5551	48.437	6	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	
<b>Annual averages +</b>											
2004	1.8731	8.3697	69.727	35.8192	2.1016	8.0092	1.5438	50.077	1,777,052	1.2439	
2005	1.7660	8.0092	68.494	35.1884	2.0702	7.9183	1.5483	50.068	6	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	

\* 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> Currency conversion effective from 1 January 2005: 1,000,000 Turkish lira (TRL) = 1 New Turkish lira (TRY), designated as Turkish lira (TRY) since 1 January 2009.



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

### 4. Exchange rates of major currencies



<sup>1</sup> Last monthly average: October 2018. <sup>2</sup> Last updated: 8 November 2018.

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

#### 1. Annual and monthly averages

Q1 1999 = 100

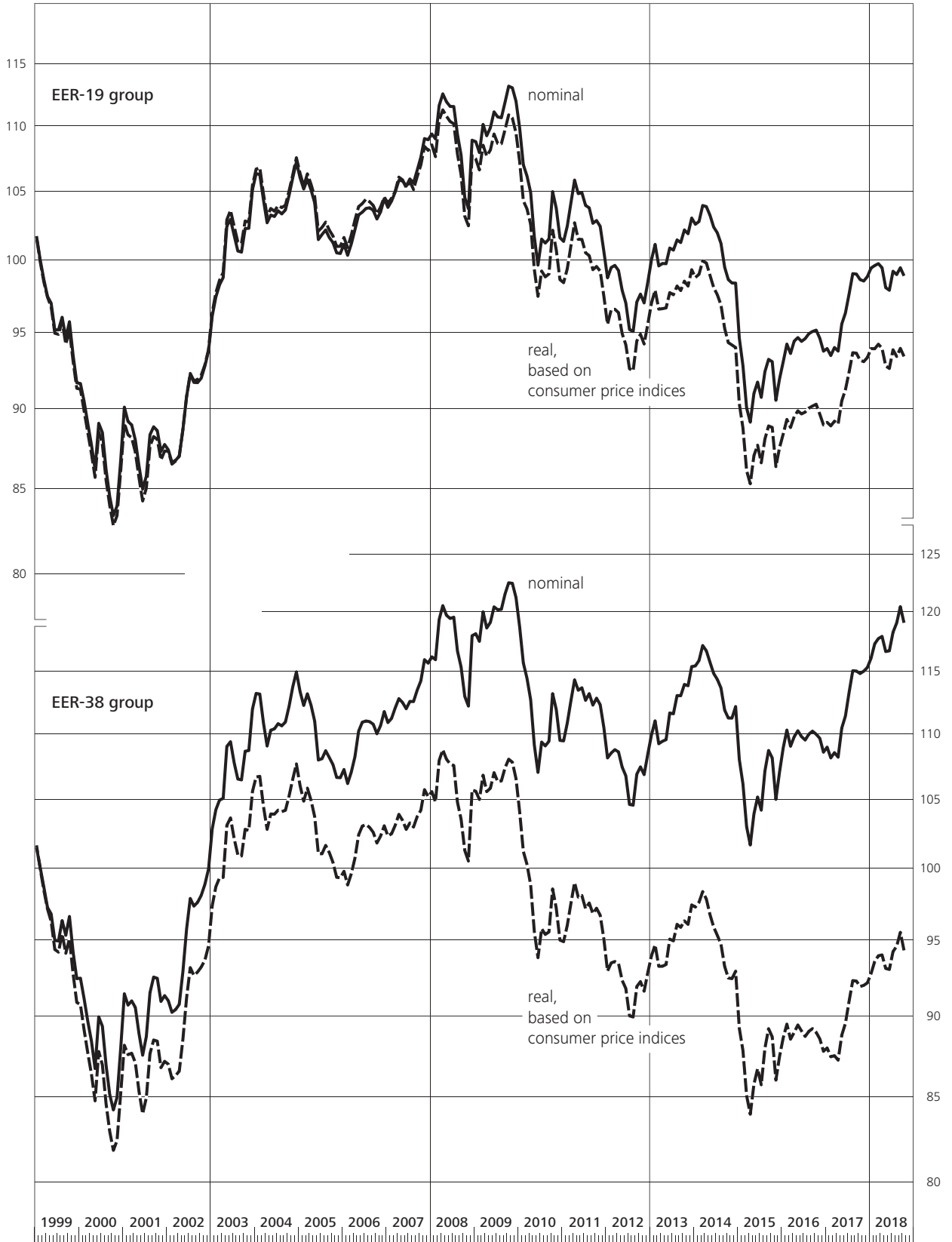
Period	Effective exchange rate of the euro vis-à-vis the currencies of the group <sup>1</sup>				Memo item: Indicators of the German economy's price competitiveness based on consumer price indices vis-à-vis					
	EER-19		EER-38 <sup>2</sup>		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based on consumer price indices	Nominal	Real, based on consumer price indices	Total	of which:				
						euro area countries	non-euro area countries			
1999	96.3	96.1	96.5	95.8	98.2	100.1	95.9	98.0	97.7	
2000	87.2	86.7	88.0	85.8	93.0	99.0	85.8	92.0	90.9	
2001	87.8	87.1	90.6	86.9	93.0	98.1	86.9	91.4	90.8	
2002	90.1	90.2	95.2	90.5	93.5	96.9	89.5	91.9	91.7	
2003	100.7	101.2	107.1	101.4	97.0	95.7	99.1	96.5	96.7	
2004	104.6	104.9	111.7	105.0	98.4	95.4	102.9	98.0	98.3	
2005	102.9	103.4	109.6	102.4	98.4	95.2	103.2	96.9	96.6	
2006	102.8	103.3	109.6	101.7	98.5	94.9	104.1	96.4	95.8	
2007	106.1	106.0	113.0	103.6	100.7	95.2	109.7	97.8	96.9	
2008	109.3	108.1	117.1	105.5	102.1	94.6	114.7	97.7	97.0	
2009	110.7	108.8	120.2	106.5	101.7	94.5	113.8	97.9	97.4	
2010	103.6	101.1	111.6	97.6	98.7	94.1	106.0	93.6	91.9	
2011	103.3	100.1	112.3	97.0	98.1	93.7	105.0	92.7	91.3	
2012	97.7	94.8	107.2	92.2	95.8	93.2	99.6	89.7	88.2	
2013	101.0	97.7	111.8	95.0	98.1	93.3	105.6	91.4	90.1	
2014	101.4	97.2	114.1	95.4	98.1	93.6	105.3	91.6	90.7	
2015	91.7	87.6	105.7	87.0	94.1	93.6	94.6	86.4	85.8	
2016	94.4	89.5	109.7	<b>p</b> 88.9	94.7	93.6	96.2	87.5	<b>p</b> 87.0	
2017	96.6	91.4	112.0	<b>p</b> 90.0	96.0	93.7	99.4	88.6	<b>p</b> 87.8	
2015 Jan.	94.6	90.3	108.0	89.2	95.1	93.5	97.4	87.8	87.0	
Feb.	92.8	88.7	106.1	87.8	94.7	93.8	95.9	87.2	86.4	
Mar.	90.0	86.1	103.0	85.1	93.6	93.7	93.2	85.6	84.6	
Apr.	89.1	85.3	101.6	83.9	93.4	93.7	92.7	85.2	84.0	
May	91.0	87.0	103.9	85.7	94.0	93.6	94.3	86.2	85.1	
June	91.7	87.7	105.2	86.7	94.1	93.5	94.7	86.4	85.6	
July	90.7	86.6	104.2	85.7	93.7	93.5	93.6	85.8	85.0	
Aug.	92.4	88.1	107.1	88.0	94.3	93.6	95.0	86.7	86.4	
Sep.	93.2	88.9	108.7	89.2	94.5	93.5	95.7	87.1	87.1	
Oct.	93.0	88.8	108.1	88.7	94.5	93.6	95.7	87.1	86.9	
Nov.	90.5	86.3	105.0	86.0	93.5	93.6	93.0	85.8	85.3	
Dec.	91.9	87.5	107.1	87.5	93.7	93.3	93.9	86.2	85.9	
2016 Jan.	93.0	88.4	108.9	<b>p</b> 88.6	93.9	93.5	94.4	86.8	<b>p</b> 86.7	
Feb.	94.2	89.3	110.3	<b>p</b> 89.5	94.5	93.5	95.9	87.3	<b>p</b> 87.2	
Mar.	93.6	88.8	109.0	<b>p</b> 88.5	94.5	93.5	95.7	87.0	<b>p</b> 86.7	
Apr.	94.4	89.5	109.8	<b>p</b> 89.0	94.9	93.7	96.5	87.5	<b>p</b> 87.1	
May	94.6	89.8	110.2	<b>p</b> 89.4	94.7	93.5	96.2	87.6	<b>p</b> 87.3	
June	94.4	89.6	109.8	<b>p</b> 89.1	94.5	93.6	95.7	87.6	<b>p</b> 87.1	
July	94.6	89.8	109.5	<b>p</b> 88.7	94.8	93.6	96.4	87.6	<b>p</b> 86.9	
Aug.	94.9	90.0	110.0	<b>p</b> 89.0	95.0	93.5	96.9	87.6	<b>p</b> 87.0	
Sep.	95.1	90.1	110.2	<b>p</b> 89.2	95.1	93.6	97.1	87.8	<b>p</b> 87.2	
Oct.	95.1	90.3	110.0	<b>p</b> 89.0	95.4	93.7	97.7	87.9	<b>p</b> 87.1	
Nov.	94.6	89.6	109.6	<b>p</b> 88.6	94.8	93.6	96.4	87.5	<b>p</b> 86.8	
Dec.	93.7	88.9	108.6	<b>p</b> 87.8	94.7	93.9	95.6	87.3	<b>p</b> 86.5	
2017 Jan.	93.9	89.1	109.0	<b>p</b> 88.0	94.5	93.6	95.7	87.2	<b>p</b> 86.4	
Feb.	93.4	88.9	108.1	<b>p</b> 87.4	94.5	93.7	95.5	87.1	<b>p</b> 86.2	
Mar.	94.0	89.2	108.5	<b>p</b> 87.5	94.7	93.6	96.0	87.2	<b>p</b> 86.2	
Apr.	93.7	89.0	108.2	<b>p</b> 87.2	94.5	93.6	95.6	87.1	<b>p</b> 86.0	
May	95.6	90.5	110.5	<b>p</b> 88.8	95.3	93.6	97.7	87.9	<b>p</b> 87.0	
June	96.3	91.2	111.4	<b>p</b> 89.5	95.9	93.8	99.0	88.5	<b>p</b> 87.6	
July	97.6	92.4	113.3	<b>p</b> 91.0	96.6	93.9	100.6	89.2	<b>p</b> 88.5	
Aug.	99.0	93.6	115.0	<b>p</b> 92.3	97.2	93.8	102.5	89.8	<b>p</b> 89.2	
Sep.	99.0	93.6	115.0	<b>p</b> 92.3	97.3	93.9	102.5	89.9	<b>p</b> 89.3	
Oct.	98.6	93.1	114.8	<b>p</b> 91.9	97.1	93.7	102.2	89.5	<b>p</b> 89.0	
Nov.	98.5	93.0	115.0	<b>p</b> 92.0	97.2	93.8	102.4	89.5	<b>p</b> 89.0	
Dec.	98.8	93.3	115.3	<b>p</b> 92.2	97.5	94.0	103.0	89.8	<b>p</b> 89.3	
2018 Jan.	99.4	93.9	116.1	<b>p</b> 92.8	97.6	93.6	103.7	89.8	<b>p</b> 89.4	
Feb.	99.6	93.9	117.3	<b>p</b> 93.6	97.7	93.7	104.0	89.9	<b>p</b> 89.5	
Mar.	99.7	94.2	117.7	<b>p</b> 93.9	97.8	93.7	104.1	90.0	<b>p</b> 89.7	
Apr.	99.5	<b>p</b> 93.9	117.9	<b>p</b> 94.0	97.9	93.7	104.3	<b>p</b> 90.0	<b>p</b> 89.8	
May	98.1	<b>p</b> 92.8	116.6	<b>p</b> 93.1	<b>p</b> 97.3	93.8	<b>p</b> 102.8	<b>p</b> 89.3	<b>p</b> 89.3	
June	97.9	<b>p</b> 92.6	116.7	<b>p</b> 93.0	<b>p</b> 97.2	93.9	<b>p</b> 102.2	<b>p</b> 89.4	<b>p</b> 89.4	
July	99.2	<b>p</b> 93.8	118.2	<b>p</b> 94.2	<b>p</b> 97.1	93.6	<b>p</b> 102.5	<b>p</b> 89.8	<b>p</b> 89.9	
Aug.	99.0	<b>p</b> 93.4	119.0	<b>p</b> 94.6	<b>p</b> 96.9	93.6	<b>p</b> 101.8	<b>p</b> 89.6	<b>p</b> 90.0	
Sep.	99.5	<b>p</b> 93.9	120.4	<b>p</b> 95.5	<b>p</b> 97.4	<b>p</b> 94.0	<b>p</b> 102.5	<b>p</b> 90.2	<b>p</b> 90.9	
Oct.	98.9	<b>p</b> 93.4	119.0	<b>p</b> 94.3	<b>p</b> 97.1	<b>p</b> 94.1	<b>p</b> 101.7	<b>p</b> 89.9	<b>p</b> 90.3	

\* 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 2017	Rate at end of month			
					August 2018	September 2018	October 2018	
<b>Afghanistan</b>								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 68.1445	AFN 73.2054	AFN 75.6006	AFN 74.8612	
		S	USD 1 =	AFN 68.2445	AFN 73.3054	AFN 75.7006	AFN 74.9612	
	AFN	B	EUR 1 =	AFN 77.1114	AFN 85.0646	AFN 87.4117	AFN 84.8832	
		S	EUR 1 =	AFN 77.3714	AFN 85.3246	AFN 87.6717	AFN 85.1432	
	<b>Albania</b>							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 118.94	ALL 108.19	ALL 108.75	ALL 110.25
M			EUR 1 =	ALL 134.16	ALL 126.27	ALL 126.29	ALL 124.94	
<b>Algeria</b>								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 111.0969	DZD 118.0496	DZD 118.3101	DZD 119.0348	
		S	USD 1 =	DZD 111.1119	DZD 118.0646	DZD 118.3251	DZD 119.0498	
	DZD	B	EUR 1 =	DZD 125.6478	DZD 137.3271	DZD 136.9676	DZD 134.8069	
		S	EUR 1 =	DZD 125.6908	DZD 137.3682	DZD 137.0323	DZD 134.8477	
<b>Angola <sup>1</sup></b>								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 165.091	AOA 276.013	AOA 294.112	AOA 307.571	
		S	USD 1 =	AOA 166.742	AOA 276.562	AOA 294.824	AOA 308.233	
	AOA	B	EUR 1 =	AOA 184.490	AOA 321.748	AOA 343.141	AOA 349.493	
		S	EUR 1 =	AOA 186.296	AOA 322.444	AOA 344.001	AOA 350.369	
<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 3.0369	XCD 3.1320	XCD 3.1119	XCD 3.0425	
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1655	XCD 3.1451	XCD 3.0750	
<b>Argentina</b>								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 16.4721	ARS 36.6500	ARS 41.0500	ARS 35.7500	
		S	USD 1 =	ARS 16.5721	ARS 36.8500	ARS 41.2500	ARS 35.9500	
	ARS	B	EUR 1 =	ARS 18.6421	ARS 42.4993	ARS 47.6180	ARS 40.3904	
		S	EUR 1 =	ARS 18.7969	ARS 42.8234	ARS 47.9531	ARS 40.7062	
<b>Armenia</b>								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 482.78	AMD 483.07	AMD 482.71	AMD 486.24	
		M	EUR 1 =	AMD 545.83	AMD 563.65	AMD 559.65	AMD 619.13	
<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 202.51	AWG 207.45	AWG 206.28	AWG 202.15	
		S	EUR 100 =	AWG 204.55	AWG 209.53	AWG 208.35	AWG 204.18	

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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Australia</b>							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7681	USD 0.7260	USD 0.7222	USD 0.7085
		M	AUD 1 =	EUR 0.6784	EUR 0.6215	EUR 0.6200	EUR 0.6247
<b>Austria</b>							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Azerbaijan</b>							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.7189	AZN 1.7000	AZN 1.7000	AZN 1.7000
		M	EUR 1 =	AZN 1.9419	AZN 1.9859	AZN 1.9799	AZN 1.9281
<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 1.12405	BSD 1.15927	BSD 1.15181	BSD 1.12614
		V, S	EUR 1 =	BSD 1.14382	BSD 1.17966	BSD 1.17207	BSD 1.14595
<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 0.37750	BHD 0.37750	BHD 0.37750
		B	EUR 1 =	BHD 0.4157178	BHD 0.4274402	BHD 0.4245496	BHD 0.4153734
S	EUR 1 =	BHD 0.4414323	BHD 0.4538798	BHD 0.4508104	BHD 0.4410666		
<b>Bangladesh <sup>1</sup></b>							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 80.6296	BDT 83.7500	BDT 83.7500	BDT 83.8500
		S	USD 1 =	BDT 80.6342	BDT 83.7500	BDT 83.7500	BDT 83.8500
		B	EUR 1 =	BDT 91.8261	BDT 97.1416	BDT 97.2170	BDT 94.8344
S	EUR 1 =	BDT 91.8648	BDT 97.1751	BDT 97.2338	BDT 94.8679		
<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 2.26284	BBD 2.32308	BBD 2.32089	BBD 2.25856
S	EUR 1 =	BBD 2.30526	BBD 2.36663	BBD 2.36440	BBD 2.30091		
<b>Belarus</b>							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 1.9314	BYN 2.0799	BYN 2.1121	BYN 2.1178
		M	EUR 1 =	BYN 2.1862	BYN 2.4318	BYN 2.4537	BYN 2.4090

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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Belgium</b>							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<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 2.2540	BZD 2.3058	BZD 2.2957	BZD 2.2440	
	BZD	S	EUR 1 =	BZD 2.2937	BZD 2.3466	BZD 2.3363	BZD 2.2836
<b>Benin <sup>1</sup></b>							
Porto-Novo Seat of government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 563.005	XOF 566.653	XOF 579.570
		<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 1.1252	BMD 1.1604	BMD 1.1530	BMD 1.1273	
	V, S	EUR 1 =	BMD 1.1346	BMD 1.1701	BMD 1.1626	BMD 1.1367	
<b>Bhutan <sup>1</sup></b>							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 63.91	BTN 69.70	BTN 71.55	BTN 72.40
		S	USD 1 =	BTN 66.02	BTN 71.85	BTN 73.75	BTN 74.65
	B	EUR 1 =	BTN 72.64	BTN 81.45	BTN 83.65	BTN 82.30	
	S	EUR 1 =	BTN 74.64	BTN 83.70	BTN 86.00	BTN 84.60	
<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 7.7357	BOB 7.9926	BOB 7.9411	BOB 7.7641
		V, S	EUR 1 =	BOB 7.8485	BOB 8.1091	BOB 8.0569	BOB 7.8773
<b>Bosnia and Herzegovina</b>							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.720423	BAM 1.668611	BAM 1.685332	BAM 1.715565
		S	USD 1 =	BAM 1.729046	BAM 1.676975	BAM 1.693780	BAM 1.724165
	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 0.0972	USD 0.0929	USD 0.0944	USD 0.0919
		S	BWP 1 =	USD 0.0970	USD 0.0926	USD 0.0942	USD 0.0916
	B	BWP 1 =	EUR 0.0856	EUR 0.0797	EUR 0.0815	EUR 0.0811	
	S	BWP 1 =	EUR 0.0854	EUR 0.0795	EUR 0.0813	EUR 0.0809	

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 2017	Rate at end of month			
					August 2018	September 2018	October 2018	
<b>Brazil</b>								
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.1919	BRL 4.1347	BRL 4.0033	BRL 3.7171	
		S	USD 1 =	BRL 3.1925	BRL 4.1353	BRL 4.0039	BRL 3.7177	
	BRL	B	EUR 1 =	BRL 3.6485	BRL 4.7942	BRL 4.6518	BRL 4.2122	
		S	EUR 1 =	BRL 3.6502	BRL 4.7961	BRL 4.6545	BRL 4.2136	
	<b>Brunei Darussalam <sup>1</sup></b>							
	Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3657	BND 1.3554	BND 1.3585	BND 1.3764
S			USD 1 =	BND 1.3862	BND 1.3737	BND 1.3770	BND 1.3949	
BND		B	EUR 1 =	BND 1.5347	BND 1.5697	BND 1.5668	BND 1.5465	
		S	EUR 1 =	BND 1.5912	BND 1.6245	BND 1.6215	BND 1.6012	
<b>Bulgaria</b>								
Sofia 068		Bulgarian lev = 100 stotinkas	M	USD 1 =	BGN 1.73478	BGN 1.67868	BGN 1.68956	BGN 1.72807
	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 580.647	XOF 563.005	XOF 566.653	XOF 579.570	
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
	XOF							
<b>Burundi</b>								
Bujumbura 328	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,715.1343	BIF 1,766.8035	BIF 1,771.6941	BIF 1,778.7627	
		S	USD 1 =	BIF 1,749.2041	BIF 1,802.4965	BIF 1,807.4859	BIF 1,814.6973	
	BIF	B	EUR 1 =	BIF 1,948.7043	BIF 2,063.8915	BIF 2,062.0748	BIF 2,017.2948	
		S	EUR 1 =	BIF 1,987.4246	BIF 2,105.5863	BIF 2,103.7328	BIF 2,058.0482	
	<b>Cabo Verde</b>							
	Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 97.230	CVE 94.207	CVE 94.086	CVE 96.861
S			USD 1 =	CVE 97.432	CVE 94.409	CVE 94.288	CVE 97.063	
CVE		2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265	
<b>Cambodia</b>								
Phnom Penh 696		Riel = 100 sen	M	USD 1 =	KHR 4,045	KHR 4,084	KHR 4,082	KHR 4,060
	B		EUR 1 =	KHR 4,595	KHR 4,763	KHR 4,751	KHR 4,606	
	KHR	S	EUR 1 =	KHR 4,641	KHR 4,810	KHR 4,798	KHR 4,652	
	<b>Cameroon <sup>1</sup></b>							
	Yaoundé 302	CFA franc	V	USD 1 =	XAF 580.647	XAF 563.005	XAF 566.653	XAF 579.570
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 1.2986	CAD 1.3055	CAD 1.2945	CAD 1.3142	
		M	EUR 1 =	CAD 1.4749	CAD 1.5165	CAD 1.5020	CAD 1.4876	
	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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<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 0.9414	KYD 0.9709	KYD 0.9647	KYD 0.9432
<b>Central African Republic <sup>1</sup></b>							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 563.005	XAF 566.653	XAF 579.570
		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 580.647	XAF 563.005	XAF 566.653	XAF 579.570
		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 648.64	CLP 675.38	CLP 661.50	CLP 693.31
		M	EUR 1 =	CLP 730.93	CLP 787.06	CLP 771.88	CLP 787.23
<b>China</b>							
Beijing 720	Chinese renminbi <sup>4</sup> 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.7513	CNY 6.8246	CNY 6.8792	CNY 6.9646
		M	EUR 1 =	CNY 7.6579	CNY 7.9646	CNY 8.0111	CNY 7.9008
		M	HKD 1 =	CNY 0.86568	CNY 0.86949	CNY 0.87995	CNY 0.88771
<b>China (Taiwan)</b>							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.31	TWD 30.665	TWD 30.475	TWD 30.905
		S	USD 1 =	TWD 30.41	TWD 30.765	TWD 30.575	TWD 31.005
		B	EUR 1 =	TWD 34.13	TWD 35.68	TWD 35.28	TWD 34.93
		S	EUR 1 =	TWD 34.53	TWD 36.08	TWD 35.68	TWD 35.33
<b>Colombia</b>							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 2,951.285	COP 3,027.39	COP 2,989.58	COP 3,202.44
		V, M	EUR 1 =	COP 3,329.382	COP 3,527.212	COP 3,460.738	COP 3,624.522
<b>Comoros</b>							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 435.48531	KMF 422.25367	KMF 424.98942	KMF 434.67728
		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 580.647	XAF 563.005	XAF 566.653	XAF 579.570
		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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Congo, Democratic Republic of the</b>							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,455.5068	CDF 1,597.2582	CDF 1,598.2773	CDF 1,600.0647
		S	USD 1 =	CDF 1,514.9152	CDF 1,662.4525	CDF 1,663.5131	CDF 1,665.3735
	CDF	B	EUR 1 =	CDF 1,658.2101	CDF 1,871.2342	CDF 1,869.0428	CDF 1,818.8243
		S	EUR 1 =	CDF 1,725.8701	CDF 1,947.6111	CDF 1,945.3303	CDF 1,893.0620
<b>Cook Islands <sup>1</sup></b>							
Avarua 837	Cook Islands dollar <sup>2</sup> = 100 cents  NZD	B	NZD 1 =	EUR 0.6438	EUR 0.5838	EUR 0.5820	EUR 0.5922
		S	NZD 1 =	EUR 0.6162	EUR 0.5584	EUR 0.5567	EUR 0.5663
<b>Costa Rica</b>							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 563.02	CRC 569.54	CRC 579.12	CRC 603.20
		S	USD 1 =	CRC 572.30	CRC 575.67	CRC 585.80	CRC 610.74
	CRC	V, B	EUR 1 =	CRC 640.4559	CRC 663.5711	CRC 670.3893	CRC 682.7018
		V, S	EUR 1 =	CRC 650.8521	CRC 670.7131	CRC 678.1221	CRC 691.2355
<b>Côte d'Ivoire <sup>1</sup></b>							
Yamoussoukro Seat of government: Abidjan 272	CFA franc  XOF	V	USD 1 =	XOF 580.647	XOF 563.005	XOF 566.653	XOF 579.570
		<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 6.585977	HRK 6.329813	HRK 6.383565	HRK 6.518958
		S	USD 1 =	HRK 6.625612	HRK 6.367907	HRK 6.421981	HRK 6.558190
	HRK	B	EUR 1 =	HRK 7.438069	HRK 7.405248	HRK 7.401743	HRK 7.403581
		S	EUR 1 =	HRK 7.482832	HRK 7.449814	HRK 7.446287	HRK 7.448137
<b>Cuba <sup>1</sup></b>							
Havana 448	Convertible peso/ Cuban peso = 100 centavos	<sup>4</sup> B	CUC 1 =	USD 1.03182	USD 1.01009	USD 1.01009	USD 1.01009
		<sup>4</sup> S	CUC 1 =	USD 0.97009	USD 0.99010	USD 0.99010	USD 0.99010
	CUC/CUP	B	EUR 1 =	CUC 1.10202	CUC 1.15448	CUC 1.15458	CUC 1.12300
		S	EUR 1 =	CUC 1.17106	CUC 1.17782	CUC 1.17792	CUC 1.14570
<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 202.47	ANG 207.46	ANG 206.28	ANG 202.15
		S	EUR 100 =	ANG 206.55	ANG 211.64	ANG 210.44	ANG 206.22
<b>Cyprus</b>							
Nicosia 600	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Czechia</b>							
Prague 061	Czech koruna = 100 heller  CZK	M	USD 1 =	CZK 23.382	CZK 22.089	CZK 21.967	CZK 22.902
		M	EUR 1 =	CZK 26.289	CZK 25.735	CZK 25.715	CZK 25.920

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 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Denmark</b>							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 659.53	DKK 639.93	DKK 644.13	DKK 659.25
		M	EUR 100 =	DKK 743.90	DKK 745.58	DKK 745.64	DKK 746.14
<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 199.35	DJF 205.32	DJF 202.57	DJF .
		S	EUR 1 =	DJF 207.47	DJF 213.33	DJF 212.58	DJF .
<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 3.0369	XCD 3.1320	XCD 3.1119	XCD 3.0425
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1655	XCD 3.1451	XCD 3.0750
<b>Dominican Republic</b>							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 47.1821	DOP 49.3755	DOP 49.4780	DOP 49.6941
		S	USD 1 =	DOP 47.6080	DOP 49.7948	DOP 49.8828	DOP 50.1073
		B	EUR 1 =	DOP 52.6036	DOP 57.1032	DOP 57.2942	DOP 55.9569
		S	EUR 1 =	DOP 55.8669	DOP 60.3800	DOP 60.4995	DOP 59.4441
<b>Egypt</b>							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 17.7125	EGP 17.7800	EGP 17.7800	EGP 17.7800
		S	USD 1 =	EGP 17.8063	EGP 17.8800	EGP 17.8800	EGP 17.8800
		B	EUR 1 =	EGP 19.9838	EGP 20.7048	EGP 20.5715	EGP 20.1287
		S	EUR 1 =	EGP 20.2009	EGP 20.9518	EGP 20.8320	EGP 20.3135
<b>El Salvador 1</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 9.8849	SVC 10.1946	SVC 10.1290	SVC 9.9033
<b>Equatorial Guinea 1</b>							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 563.005	XAF 566.653	XAF 579.570
		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 17.0619	ERN 17.5470	ERN 17.6460	ERN 17.0250
		S	EUR 1 =	ERN 17.7432	ERN 18.1832	ERN 18.2822	ERN 17.6612
<b>Estonia</b>							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318

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

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

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Ethiopia</b>							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 24.0105	ETB 27.4849	ETB 27.5889	ETB 27.7353
		S	USD 1 =	ETB 24.4907	ETB 28.0346	ETB 28.1407	ETB 28.2900
	ETB	B	EUR 1 =	ETB 27.3459	ETB 32.1244	ETB 32.4142	ETB 31.5378
		S	EUR 1 =	ETB 27.9003	ETB 32.7669	ETB 33.0625	ETB 32.1686
<b>Eswatini <sup>1</sup></b>							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 13.2528	SZL 14.7647	SZL 14.1061	SZL 14.6693
		S	USD 1 =	SZL 13.3028	SZL 14.7750	SZL 14.1147	SZL 14.6784
	SZL	B	EUR 1 =	SZL 15.04752	SZL 17.2373	SZL 16.4003	SZL 16.6362
		S	EUR 1 =	SZL 15.10738	SZL 17.2504	SZL 16.4112	SZL 16.6685
<b>Falkland Islands (Islas Malvinas)</b>							
Stanley 529	Falkland Islands pound <sup>2</sup> = 100 pence FKP	V	USD 1 =	FKP 0.77602	FKP 0.77023	FKP 0.76650	FKP 0.78524
		V	EUR 1 =	FKP 0.87667	FKP 0.89740	FKP 0.88730	FKP 0.88873
<b>Fiji</b>							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4933	USD 0.4790	USD 0.4767	USD 0.4733
		S	FJD 1 =	USD 0.4763	USD 0.4620	USD 0.4597	USD 0.4563
	FJD	B	FJD 1 =	EUR 0.4331	EUR 0.4086	EUR 0.4077	EUR 0.4152
		S	FJD 1 =	EUR 0.4211	EUR 0.3966	EUR 0.3957	EUR 0.4032
<b>Finland</b>							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>France</b>							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Gabon <sup>1</sup></b>							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 563.005	XAF 566.653	XAF 579.570
		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 46.75	GMD 48.31	GMD 49.21	GMD 49.43
		M	EUR 1 =	GMD 53.21	GMD 56.01	GMD 57.88	GMD 57.13
<b>Georgia</b>							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.5129	GEL 2.5803	GEL 2.6151	GEL 2.7027
		M	EUR 1 =	GEL 2.8415	GEL 3.0184	GEL 3.0306	GEL 3.0703

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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Germany</b>							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Ghana</b>							
Accra 276	Ghana cedi = 100 Ghana pesewas GHS	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GHS 4.3540 GHS 4.3584 GHS 4.9609 GHS 4.9649	GHS 4.7217 GHS 4.7264 GHS 5.4933 GHS 5.4968	GHS 4.7752 GHS 4.7800 GHS 5.5367 GHS 5.5417	GHS 4.7875 GHS 4.7923 GHS 5.4167 GHS 5.4206
<b>Gibraltar</b>							
Gibraltar 044	Gibraltar pound <sup>2</sup> = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.77602 GIP 0.87667	GIP 0.77023 GIP 0.89740	GIP 0.76650 GIP 0.88730	GIP 0.78524 GIP 0.88873
<b>Greece <sup>1</sup></b>							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Grenada</b>							
St George's 473	East Caribbean dollar = 100 cents XCD	<sup>3</sup> B <sup>3</sup> S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	XCD 2.6882 XCD 2.7169 XCD 3.0369 XCD 3.0693	XCD 2.6882 XCD 2.7169 XCD 3.1320 XCD 3.1655	XCD 2.6882 XCD 2.7169 XCD 3.1119 XCD 3.1451	XCD 2.6882 XCD 2.7169 XCD 3.0425 XCD 3.0750
<b>Guatemala</b>							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.34631 GTQ 8.35181	GTQ 7.56254 GTQ 8.81112	GTQ 7.70206 GTQ 8.91590	GTQ 7.73340 GTQ 8.75266
<b>Guinea</b>							
Conakry 260	Guinean franc GNF	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GNF 8,792.9167 GNF 9,166.6667 GNF 9,979.6061 GNF 10,401.3362	GNF 8,710.00 GNF 9,150.00 GNF 10,148.021 V GNF 10,660.665 V	GNF 8,710.00 GNF 9,160.00 GNF 10,126.612 GNF 10,638.174	GNF 8,710.00 GNF 9,160.00 GNF 9,879.204 GNF 10,378.268
<b>Guinea-Bissau <sup>1</sup></b>							
Bissau 257	CFA franc XOF	V 4	USD 1 = EUR 1 =	XOF 580.647 XOF 655.957	XOF 563.005 XOF 655.957	XOF 566.653 XOF 655.957	XOF 579.570 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 205.98 GYD 208.44 GYD 234.17 GYD 237.16	GYD 207.98 GYD 210.45 GYD 242.09 GYD 245.18	GYD 207.98 GYD 210.45 GYD 240.74 GYD 243.81	GYD 207.98 GYD 210.45 GYD 235.62 GYD 238.63

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> 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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Haiti</b>							
Port-au-Prince 452	Gourde = 100 centimes  HTG	M	USD 1 =	HTG 64.6157	HTG 69.1096	HTG 69.9774	HTG 72.2672
		V, M	EUR 1 =	HTG 73.3598	HTG 80.5196	HTG 81.0058	HTG 81.7920
<b>Honduras</b>							
Tegucigalpa 424	Lempira = 100 centavos  HNL	B	USD 1 =	HNL 23.4928	HNL 24.0297	HNL 24.0568	HNL 24.1075
		S	USD 1 =	HNL 23.6573	HNL 24.1979	HNL 24.2252	HNL 24.2763
		V, B	EUR 1 =	HNL 26.7110	HNL 27.9970	HNL 27.8482	HNL 27.2849
		V, S	EUR 1 =	HNL 26.8980	HNL 28.1930	HNL 28.0431	HNL 27.4759
<b>Hong Kong</b>							
Hong Kong 740	Hong Kong dollar = 100 cents  HKD	B	USD 1 =	HKD 7.77531	HKD 7.82850	HKD 7.80250	HKD 7.82550
		S	USD 1 =	HKD 7.81201	HKD 7.86900	HKD 7.84300	HKD 7.86620
		B	EUR 1 =	HKD 8.82724	HKD 9.13034	HKD 9.05894	HKD 8.86294
		S	EUR 1 =	HKD 8.89458	HKD 9.19856	HKD 9.12666	HKD 8.94936
<b>Hungary</b>							
Budapest 064	Hungarian forint = 100 fillér  HUF	M	USD 1 =	HUF 274.27	HUF 279.76	HUF 278.76	HUF 286.40
		M	EUR 1 =	HUF 309.34	HUF 326.45	HUF 323.78	HUF 324.69
<b>Iceland</b>							
Reykjavik 024	Icelandic krona  ISK	B	USD 1 =	ISK 106.265	ISK 106.86	ISK 110.80	ISK 121.14
		S	USD 1 =	ISK 106.775	ISK 107.38	ISK 111.32	ISK 121.72
		B	EUR 1 =	ISK 120.20	ISK 124.55	ISK 128.34	ISK 137.32
		S	EUR 1 =	ISK 120.87	ISK 125.25	ISK 129.06	ISK 138.08
<b>India <sup>1</sup></b>							
New Delhi 664	Indian rupee = 100 paise  INR	M	USD 1 =	INR 65.0330	INR 70.9255	INR 72.5474	INR 73.9936
		M	EUR 1 =	INR 73.7760	INR 82.8391	INR 84.4428	INR 83.9250
<b>Indonesia</b>							
Jakarta 700	Indonesian rupiah = 100 sen  IDR	B	USD 1 =	IDR 13,318.29	IDR 14,637.00	IDR 14,854.00	IDR 15,151.00
		S	USD 1 =	IDR 13,452.46	IDR 14,785.00	IDR 15,004.00	IDR 15,303.00
		B	EUR 1 =	IDR 15,112.80	IDR 17,068.21	IDR 17,300.45	IDR 17,191.84
		S	EUR 1 =	IDR 15,268.86	IDR 17,246.70	IDR 17,476.66	IDR 17,365.84
<b>Iran, Islamic Republic of <sup>1</sup></b>							
Tehran 616	Iranian rial = 100 dinars  IRR	M	USD 1 =	IRR 33,384	IRR 42,000 <sup>1</sup>	IRR 42,000 <sup>1</sup>	IRR 42,000 <sup>1</sup>
		M	EUR 1 =	IRR 37,982	IRR 49,113 <sup>1</sup>	IRR 48,754 <sup>1</sup>	IRR 47,633 <sup>1</sup>

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 2017	Rate at end of month			
					August 2018	September 2018	October 2018	
<b>Iraq <sup>1</sup></b>								
Baghdad 612	Iraqi dinar = 1,000 fils	2	B	USD 1 =	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00
			S	USD 1 =	IQD 1,184.00	IQD 1,190.00	IQD 1,190.00	IQD 1,190.00
		B	S	EUR 1 =	IQD 1,342.547	IQD 1,381.303	IQD 1,368.283	IQD 1,337.788
				EUR 1 =	IQD 1,343.218	IQD 1,381.994	IQD 1,377.544	IQD 1,346.842
		3	B	USD 1 =	IQD 1,247.67	IQD 1,202.00	IQD 1,198.00	IQD 1,200.00
			S	USD 1 =	IQD 1,252.42	IQD 1,206.00	IQD 1,203.00	IQD 1,204.00
		V, B	V, S	EUR 1 =	IQD 1,418.50	IQD 1,400.45	IQD 1,386.80	IQD 1,358.16
				EUR 1 =	IQD 1,423.89	IQD 1,405.11	IQD 1,392.59	IQD 1,362.69
	IQD							
<b>Ireland</b>								
Dublin 007	Euro = 100 cent  EUR		M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Israel</b>								
Jerusalem 624	New shekel = 100 agorot  ILS		M	USD 1 =	ILS 3.5998	ILS 3.6040	ILS 3.6270	ILS 3.7210
			M	EUR 1 =	ILS 4.0577	ILS 4.2119	ILS 4.2156	ILS 4.2114
<b>Italy</b>								
Rome 005	Euro = 100 cent  EUR		M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Jamaica</b>								
Kingston 464	Jamaican dollar = 100 cents  JMD	B	S	USD 1 =	JMD 127.2698	JMD 135.4918	JMD 134.0220	JMD 127.4969
				USD 1 =	JMD 128.2787	JMD 137.5518	JMD 135.0646	JMD 128.6277
		B	S	EUR 1 =	JMD 139.75475	JMD 151.6175	JMD 151.2417	JMD 145.3421
				EUR 1 =	JMD 145.69698	JMD 161.7501	JMD 160.9937	JMD 146.6720
<b>Japan</b>								
Tokyo 732	Japanese yen = 100 sen  JPY	B	S	USD 1 =	JPY 111.19	JPY 110.06	JPY 112.57	JPY 112.26
				USD 1 =	JPY 113.19	JPY 112.06	JPY 114.57	JPY 114.26
		B	S	EUR 1 =	JPY 125.72	JPY 128.06	JPY 130.64	JPY 126.93
				EUR 1 =	JPY 128.72	JPY 131.06	JPY 133.64	JPY 129.93
<b>Jordan</b>								
Amman 628	Jordanian dinar = 1,000 fils  JOD	2	B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
				USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
		B	S	EUR 1 =	JOD 0.80258	JOD 0.82666	JOD 0.81916	JOD 0.80153
				EUR 1 =	JOD 0.80892	JOD 0.83198	JOD 0.82722	JOD 0.80663
<b>Kazakhstan</b>								
Astana 079	Tenge = 100 tiyn  KZT		M	USD 1 =	KZT 325.56	KZT 363.43	KZT 363.07	KZT 368.55
			M	EUR 1 =	KZT 368.95	KZT 424.16	KZT 420.91	KZT 418.71

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 2017	Rate at end of month			
					August 2018	September 2018	October 2018	
<b>Kenya <sup>1</sup></b>								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 103.2972	KES 100.5456	KES 100.8556	KES 101.7472	
		S	USD 1 =	KES 103.4963	KES 100.7456	KES 101.0556	KES 101.9472	
	KES	B	EUR 1 =	KES 117.2709	KES 117.2522	KES 117.7489	KES 115.4794	
		S	EUR 1 =	KES 117.5243	KES 117.5233	KES 118.0167	KES 115.7411	
	<b>Korea, Democratic People's Republic of</b>							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 106.94	KPW 105.58 <sup>2</sup>	KPW 105.11 <sup>2</sup>	KPW 107.12 <sup>2</sup>
S			USD 1 =	KPW 107.74	KPW 106.38 <sup>2</sup>	KPW 106.16 <sup>2</sup>	KPW 108.19 <sup>2</sup>	
KPW		B	EUR 1 =	KPW 121.63	KPW 123.13 <sup>2</sup>	KPW 123.66 <sup>2</sup>	KPW 121.20 <sup>2</sup>	
		S	EUR 1 =	KPW 122.55	KPW 124.05 <sup>2</sup>	KPW 124.89 <sup>2</sup>	KPW 122.41 <sup>2</sup>	
<b>Korea, Republic of</b>								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,119.94	KRW 1,106.60	KRW 1,100.20	KRW 1,129.40
	S		USD 1 =	KRW 1,142.01	KRW 1,128.40	KRW 1,121.80	KRW 1,151.60	
	KRW	B	EUR 1 =	KRW 1,263.62	KRW 1,287.55	KRW 1,274.45	KRW 1,279.72	
		S	EUR 1 =	KRW 1,289.14	KRW 1,313.55	KRW 1,300.19	KRW 1,305.56	
	<b>Kuwait</b>							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30189	KWD 0.30130	KWD 0.30120	KWD 0.30265
S			USD 1 =	KWD 0.30541	KWD 0.30490	KWD 0.30480	KWD 0.30625	
KWD		B	EUR 1 =	KWD 0.343073	KWD 0.351316	KWD 0.348835	KWD 0.342448	
		S	EUR 1 =	KWD 0.347083	KWD 0.355513	KWD 0.353004	KWD 0.346522	
<b>Kyrgyzstan</b>								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 68.8641	KGS 69.0239	KGS 69.2773	KGS 69.6839
	M		EUR 1 =	KGS 77.9234	KGS 80.6579	KGS 80.4379	KGS 79.2863	
<b>Lao People's Democratic Republic</b>								
Vientiane 684	Kip	B	USD 1 =	LAK 8,233	LAK 8,492	LAK 8,505	LAK 8,532	
		S	USD 1 =	LAK 8,270	LAK 8,505	LAK 8,518	LAK 8,545	
	LAK	B	EUR 1 =	LAK 9,297	LAK 9,894	LAK 9,886	LAK 9,689	
		S	EUR 1 =	LAK 9,342	LAK 9,940	LAK 9,932	LAK 9,734	
	<b>Latvia</b>							
	Riga 054	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Lebanon</b>								
Beirut 604	Lebanese pound = 100 piastres  LBP	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	
		M	EUR 1 =	LBP 1,705.71	LBP 1,759.55	LBP 1,750.81	LBP 1,710.41	
<b>Lesotho <sup>1</sup></b>								
Maseru 395	Loti = 100 lisente  LSL	M	USD 1 =	LSL 13.2590	LSL 14.7481	LSL 14.1631	LSL 14.8247	
		M	EUR 1 =	LSL 15.0639	LSL 17.1609	LSL 16.4051	LSL 16.7837	

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, rate from 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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Liberia <sup>1</sup></b>							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 113.16	LRD 153.9703	LRD 155.3112	LRD 156.6947
		S	USD 1 =	LRD 113.99	LRD 154.3050	LRD 155.6021	LRD 157.5689
	LRD	V, B	EUR 1 =	LRD 129.0176	LRD 179.3908	LRD 179.7882	LRD 177.3471
		V, S	EUR 1 =	LRD 129.9491	LRD 179.7808	LRD 180.1250	LRD 178.3365
<b>Libya</b>							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3869	LYD 1.3746	LYD 1.3807	LYD 1.3953
		S	USD 1 =	LYD 1.3939	LYD 1.3814	LYD 1.3876	LYD 1.4022
	LYD	B	EUR 1 =	LYD 1.5734	LYD 1.6078	LYD 1.6022	LYD 1.5824
		S	EUR 1 =	LYD 1.5813	LYD 1.6158	LYD 1.6103	LYD 1.5904
<b>Lithuania</b>							
Vilnius 055	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Luxembourg</b>							
Luxembourg 018	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Macao <sup>1</sup></b>							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0180	MOP 8.0787	MOP 8.0540	MOP 8.0759
		S	USD 1 =	MOP 8.0500	MOP 8.1012	MOP 8.0765	MOP 8.0984
	MOP	B	EUR 1 =	MOP 9.0916	MOP 9.4335	MOP 9.3266	MOP 9.1640
		S	EUR 1 =	MOP 9.1708	MOP 9.4720	MOP 9.3651	MOP 9.2025
<b>Macedonia, former Yugoslav Republic of</b>							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 54.2664	MKD 52.3297	MKD 52.8562	MKD 53.8054
		S	USD 1 =	MKD 54.8118	MKD 52.8556	MKD 53.3874	MKD 54.3462
	MKD	B	EUR 1 =	MKD 61.2696	MKD 61.1838	MKD 61.1863	MKD 61.1875
		S	EUR 1 =	MKD 61.8854	MKD 61.7988	MKD 61.8013	MKD 61.8025
<b>Madagascar</b>							
Antananarivo 370	Ariary = 5 iraimbilanja  MGA	M	USD 1 =	MGA 3,115.86	MGA 3,328.56	MGA 3,431.07	MGA 3,537.38
		M	EUR 1 =	MGA 3,519.24	MGA 3,890.81	MGA 3,988.36	MGA 4,006.71
<b>Malawi</b>							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 716.5933	MWK 717.3054	MWK 718.3478	MWK 719.9265
		S	USD 1 =	MWK 734.6611	MWK 735.0238	MWK 736.2392	MWK 738.1525
	MWK	B	EUR 1 =	MWK 813.8638	MWK 838.0996	MWK 836.5160	MWK 816.5406
		S	EUR 1 =	MWK 834.4058	MWK 858.8018	MWK 857.3506	MWK 837.2126

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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Malaysia</b>							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.2297	MYR 4.0438	MYR 4.0827	MYR 4.1207
		S	USD 1 =	MYR 4.3546	MYR 4.1662	MYR 4.2063	MYR 4.2453
	MYR	B	EUR 1 =	MYR 4.7680	MYR 4.7205	MYR 4.7392	MYR 4.6622
		S	EUR 1 =	MYR 4.9557	MYR 4.8896	MYR 4.9090	MYR 4.8292
<b>Maldives</b>							
Malé 667	Rufiyaa = 100 laari  MVR	M	USD 1 =	MVR 15.40	MVR 15.41	MVR 15.40	MVR 15.40
		V, M	EUR 1 =	MVR 17.51518	MVR 17.95419	MVR 17.82704	MVR 17.42972
<b>Mali <sup>1</sup></b>							
Bamako 232	CFA franc  XOF	V	USD 1 =	XOF 580.647	XOF 563.005	XOF 566.653	XOF 579.570
		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 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Mauritania <sup>1</sup></b>							
Nouakchott 228	Ouguiya = 5 khoums  MRO/MRU	B	USD 1 =	MRO 355.54	MRU 35.70	MRU 35.63	MRU 35.75
		S	USD 1 =	MRO 359.10	MRU 36.06	MRU 35.99	MRU 36.11
	MRO/MRU	B	EUR 1 =	MRO 403.76	MRU 41.77	MRU 41.75	MRU 40.54
		S	EUR 1 =	MRO 407.81	MRU 42.18	MRU 42.16	MRU 40.94
<b>Mauritius</b>							
Port Louis 373	Mauritian rupee = 100 cents  MUR	B	USD 1 =	MUR 33.9185	MUR 33.8978	MUR 33.9444	MUR 34.2693
		S	USD 1 =	MUR 35.2060	MUR 34.7971	MUR 34.8436	MUR 35.1686
	MUR	B	EUR 1 =	MUR 38.4576	MUR 39.4306	MUR 39.4044	MUR 38.7447
		S	EUR 1 =	MUR 39.9209	MUR 40.5674	MUR 40.5391	MUR 39.8544
<b>Mexico</b>							
Mexico City 412	Mexican peso = 100 centavos  MXN	B	USD 1 =	MXN 18.9464	MXN 19.1025	MXN 18.7105	MXN 20.2925
		S	USD 1 =	MXN 18.9525	MXN 19.1105	MXN 18.7175	MXN 20.3000
	MXN	V, B	EUR 1 =	MXN 21.4381	MXN 22.2563	MXN 21.6593	MXN 22.9671
		V, S	EUR 1 =	MXN 21.4449	MXN 22.2656	MXN 21.6674	MXN 22.9755
<b>Moldova, Republic of</b>							
Chisinau 074	Moldovan leu = 100 bani  MDL	M	USD 1 =	MDL 18.4407	MDL 16.7099	MDL 16.8637	MDL 17.1326
		M	EUR 1 =	MDL 20.8089	MDL 19.3644	MDL 19.7618	MDL 19.4412
<b>Mongolia</b>							
Ulan Bator 716	Togrog = 100 mongo  MNT	M	USD 1 =	MNT 2,434.27	MNT 2,472.99	MNT 2,552.13	MNT 2,564.44
		M	EUR 1 =	MNT 2,765.21	MNT 2,889.19	MNT 2,965.19	MNT 2,909.87

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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Morocco</b>							
Rabat 204	Moroccan dirham = 100 centimes  MAD	M	USD 1 =	MAD 9.6776	MAD 9.4183	MAD 9.4510	MAD 9.5646
		M	EUR 1 =	MAD 10.9408	MAD 10.9808	MAD 10.9414	MAD 10.8453
<b>Mozambique</b>							
Maputo 366	Metical = 100 centavos  MZN	B	USD 1 =	MZN 62.69	MZN 59.34	MZN 60.04	MZN 60.02
		S	USD 1 =	MZN 63.59	MZN 60.52	MZN 61.24	MZN 61.21
		B	EUR 1 =	MZN 71.05	MZN 69.19	MZN 69.72	MZN 68.36
		S	EUR 1 =	MZN 72.10	MZN 70.57	MZN 71.11	MZN 69.72
<b>Myanmar</b>							
Nay Pyi Taw 676	Kyat = 100 pyas  MMK	M	USD 1 =	MMK 1,361.00	MMK 1,512.00	MMK 1,560.00	MMK 1,560.00
		M	EUR 1 =	MMK 1,545.65	MMK 1,763.70	MMK 1,816.30	MMK 1,769.50
<b>Namibia <sup>1</sup></b>							
Windhoek 389	Namibia dollar = 100 cents  NAD	M	USD 1 =	NAD 13.2812	NAD 14.7099	NAD 14.1054	NAD 14.6484
		M	EUR 1 =	NAD 15.0846	NAD 17.1852	NAD 16.4290	NAD 16.6114
<b>Nepal</b>							
Kathmandu 672	Nepalese rupee = 100 paisa  NPR	B	USD 1 =	NPR 103.63	NPR 112.89	NPR 115.68	NPR 117.59
		S	USD 1 =	NPR 104.23	NPR 113.49	NPR 116.28	NPR 118.19
		B	EUR 1 =	NPR 117.79	NPR 131.98	NPR 135.42	NPR 133.49
		S	EUR 1 =	NPR 118.47	NPR 132.68	NPR 136.12	NPR 134.17
<b>Netherlands</b>							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>New Caledonia <sup>1</sup></b>							
Nouméa 809	CFP franc  XPF	V	XPF 1,000 =	USD 9.47	USD 9.76	USD 9.70	USD 9.48
		Z	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  NZD	B	NZD 1 =	USD 0.7262	USD 0.6787	USD 0.6751	USD 0.6695
		S	NZD 1 =	USD 0.7005	USD 0.6542	USD 0.6507	USD 0.6453
		B	NZD 1 =	EUR 0.6438	EUR 0.5838	EUR 0.5820	EUR 0.5922
		S	NZD 1 =	EUR 0.6162	EUR 0.5584	EUR 0.5567	EUR 0.5663

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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Nicaragua</b>							
Managua 432	Córdoba = 100 centavos  NIO	M	USD 1 =	NIO 30.1098	NIO 31.8075	NIO 31.9353	NIO 32.0679
		V, M	EUR 1 =	NIO 34.25529	NIO 37.05892	NIO 36.96830	NIO 36.29445
<b>Niger 1</b>							
Niamey 240	CFA franc  XOF	V	USD 1 =	XOF 580.647	XOF 563.005	XOF 566.653	XOF 579.570
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Nigeria 1</b>							
Abuja 288	Naira = 100 kobo  NGN	B	USD 1 =	NGN 304.80	NGN 305.15	NGN 305.35	NGN 305.60
		S	USD 1 =	NGN 305.80	NGN 306.15	NGN 306.35	NGN 306.60
	B	EUR 1 =	NGN 344.9384	NGN 355.5608	NGN 353.5953	NGN 346.0003	
	S	EUR 1 =	NGN 346.0701	NGN 356.7260	NGN 354.7533	NGN 347.1325	
<b>Norway</b>							
Oslo 028	Norwegian krone = 100 øre  NOK	B	USD 1 =	NOK 8.2324	NOK 8.3067	NOK 8.1231	NOK 8.3741
		S	USD 1 =	NOK 8.2974	NOK 8.3717	NOK 8.1881	NOK 8.4391
	B	EUR 1 =	NOK 9.3304	NOK 9.6996	NOK 9.4469	NOK 9.5051	
	S	EUR 1 =	NOK 9.4024	NOK 9.7716	NOK 9.5189	NOK 9.5771	
<b>Oman</b>							
Muscat 649	Rial Omani = 1,000 baisa  OMR	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
	B	EUR 1 =	OMR 0.4358688	OMR 0.4492416	OMR 0.4455552	OMR 0.4355328	
	S	EUR 1 =	OMR 0.4371226	OMR 0.4504885	OMR 0.4467925	OMR 0.4367440	
<b>Pakistan</b>							
Islamabad 662	Pakistani rupee = 100 paisa  PKR	B	USD 1 =	PKR 105.31	PKR 124.10	PKR 124.10	PKR 132.20
		S	USD 1 =	PKR 105.51	PKR 124.30	PKR 124.30	PKR 132.40
	B	EUR 1 =	PKR 119.11	PKR 144.82	PKR 144.59	PKR 168.08	
	S	EUR 1 =	PKR 119.33	PKR 145.06	PKR 144.82	PKR 168.33	
<b>Panama 1</b>							
Panama City 442	Balboa = 100 centésimos  PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1297	PAB 1.1651	PAB 1.1576	PAB 1.1318
<b>Papua New Guinea</b>							
Port Moresby 801	Kina = 100 toea  PGK	B	PGK 1 =	USD 0.3209	USD 0.3085	USD 0.3075	USD 0.3055
		S	PGK 1 =	USD 0.3059	USD 0.2935	USD 0.2925	USD 0.2905
	B	PGK 1 =	EUR 0.2814	EUR 0.2616	EUR 0.2614	EUR 0.2661	
	S	PGK 1 =	EUR 0.2666	EUR 0.2466	EUR 0.2464	EUR 0.2511	

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. 1 See Explanatory notes on individual countries, pp. 57 ff. 2 Value against the euro. 3 Value against the US dollar. 4 Parity in relation to the US dollar.

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

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Paraguay</b>							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,610.78	PYG 5,819.74	PYG 5,889.89	PYG 5,985.66
		S	USD 1 =	PYG 5,620.67	PYG 5,849.02	PYG 5,900.90	PYG 6,001.44
	PYG	V, B	EUR 1 =	PYG 6,335.38	PYG 6,780.58	PYG 6,818.14	PYG 6,774.57
		V, S	EUR 1 =	PYG 6,346.64	PYG 6,814.69	PYG 6,830.88	PYG 6,792.43
<b>Peru</b>							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.256	PEN 3.293	PEN 3.298	PEN 3.364
		S	USD 1 =	PEN 3.260	PEN 3.298	PEN 3.302	PEN 3.367
	PEN	B	EUR 1 =	PEN 3.592	PEN 3.812	PEN 3.795	PEN 3.743
		S	EUR 1 =	PEN 3.785	PEN 3.938	PEN 3.950	PEN 3.909
<b>Philippines</b>							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 49.83022	PHP 53.20	PHP 53.85	PHP 53.25
		S	USD 1 =	PHP 50.92312	PHP 53.70	PHP 54.35	PHP 53.75
	PHP	B	EUR 1 =	PHP 56.30315	PHP 60.4382	PHP 61.0499	PHP 58.8068
		S	EUR 1 =	PHP 58.50222	PHP 63.9321	PHP 64.5698	PHP 62.2065
<b>Poland</b>							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.7782	PLN 3.6808	PLN 3.6754	PLN 3.8203
		M	EUR 1 =	PLN 4.2447	PLN 4.2953	PLN 4.2714	PLN 4.3313
<b>Portugal</b>							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Qatar</b>							
Doha 644	Qatari riyal = 100 dirham QAR	2	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.139	QAR 4.241	QAR 4.214	QAR 4.120
<b>Romania</b>							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.0517	RON 3.9789	RON 4.0210	RON 4.1141
		M	EUR 1 =	RON 4.5732	RON 4.6440	RON 4.6637	RON 4.6668
<b>Russian Federation</b>							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 58.3063	RUB 68.0821	RUB 65.5906	RUB 65.7742
		M	EUR 1 =	RUB 66.0327	RUB 79.6765	RUB 76.2294	RUB 74.7918

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

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

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Rwanda</b>							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 823.772078	RWF 857.387160	RWF 860.646543	RWF 864.731265
		S	USD 1 =	RWF 840.245856	RWF 874.533172	RWF 877.857735	RWF 882.024143
	RWF	B	EUR 1 =	RWF 931.843275	RWF 1,001.085248	RWF 1,001.362253	RWF 980.691727
		S	EUR 1 =	RWF 950.478377	RWF 1,021.104931	RWF 1,021.387475	RWF 1,000.303581
<b>Saint Helena, Ascension and Tristan da Cunha</b>							
Jamestown 329	Saint Helena pound <sup>2</sup> = 100 pence  SHP	V	USD 1 =	SHP 0.77602	SHP 0.77023	SHP 0.76650	SHP 0.78524
		V	EUR 1 =	SHP 0.87667	SHP 0.89740	SHP 0.88730	SHP 0.88873
<b>Saint Kitts and Nevis</b>							
Basseterre 449	East Caribbean dollar = 100 cents	<sup>3</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		<sup>3</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.0369	XCD 3.1320	XCD 3.1119	XCD 3.0425
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1655	XCD 3.1451	XCD 3.0750
<b>Saint Lucia</b>							
Castries 465	East Caribbean dollar = 100 cents	<sup>3</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		<sup>3</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.0369	XCD 3.1320	XCD 3.1119	XCD 3.0425
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1655	XCD 3.1451	XCD 3.0750
<b>Saint Vincent and the Grenadines</b>							
Kingstown 467	East Caribbean dollar = 100 cents	<sup>3</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		<sup>3</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.0369	XCD 3.1320	XCD 3.1119	XCD 3.0425
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1655	XCD 3.1451	XCD 3.0750
<b>Samoa</b>							
Apia 819	Tala = 100 sene  WST	M	WST 1 =	USD 0.39587	USD 0.38202	USD 0.38114	USD 0.37791
		M	WST 1 =	EUR 0.34869	EUR 0.32759	EUR 0.32709	EUR 0.33159
<b>Sao Tome and Principe <sup>1</sup></b>							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STD 21,626.08	STN 20.9545	STN 20.9277	STN 21.5441
		S	USD 1 =	STD 21,950.48	STN 21.2688	STN 21.2416	STN 21.8673
	STD/STN	4	EUR 1 =	STD 24,500.00	STN 24.5000	STN 24.5000	STN 24.5000
<b>Saudi Arabia</b>							
Riyadh 632	Saudi riyal = 100 halalah	<sup>3</sup> B	USD 1 =	SAR 3.7440	SAR 3.7440	SAR 3.7440	SAR 3.7440
		<sup>3</sup> S	USD 1 =	SAR 3.7540	SAR 3.7540	SAR 3.7540	SAR 3.7540
	SAR	B	EUR 1 =	SAR 4.1457	SAR 4.2618	SAR 4.2283	SAR 4.1329
		S	EUR 1 =	SAR 4.4035	SAR 4.5112	SAR 4.4768	SAR 4.3747

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> 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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Senegal <sup>1</sup></b>							
Dakar 248	CFA franc	V	USD 1 =	XOF 580.647	XOF 563.005	XOF 566.653	XOF 579.570
	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 107.2310	RSD 100.9488	RSD 101.3848	RSD 103.9810
		S	USD 1 =	RSD 107.8764	RSD 101.5564	RSD 101.9950	RSD 104.6068
	RSD	B	EUR 1 =	RSD 120.9447	RSD 117.9184	RSD 118.0626	RSD 117.9664
		S	EUR 1 =	RSD 121.6725	RSD 118.6280	RSD 118.7732	RSD 118.6764
<b>Seychelles</b>							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.3550	SCR 13.7318	SCR 13.7476	SCR 13.8501
		S	USD 1 =	SCR 13.8521	SCR 14.0727	SCR 14.0861	SCR 14.1094
	SCR	B	EUR 1 =	SCR 15.3492	SCR 15.9585	SCR 16.0177	SCR 15.5565
		S	EUR 1 =	SCR 15.7331	SCR 16.4535	SCR 16.4601	SCR 16.0756
<b>Sierra Leone</b>							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 7,318.43	SLL 8,254.17	SLL 8,177.84	SLL 8,226.55
		S	USD 1 =	SLL 7,466.27	SLL 8,420.92	SLL 8,343.05	SLL 8,392.74
	SLL	B	EUR 1 =	SLL 8,256.54	SLL 9,639.00	SLL 9,507.83	SLL 9,338.31
		S	EUR 1 =	SLL 8,419.66	SLL 9,832.97	SLL 9,697.94	SLL 9,527.40
<b>Singapore <sup>1</sup></b>							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3783	SGD 1.3684	SGD 1.3671	SGD 1.3865
		M	EUR 1 =	SGD 1.5603	SGD 1.5960	SGD 1.5923	SGD 1.5724
<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 202.47	ANG 207.46	ANG 206.28	ANG 202.15
		S	EUR 100 =	ANG 206.55	ANG 211.64	ANG 210.44	ANG 206.22
<b>Slovakia</b>							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Slovenia</b>							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Solomon Islands</b>							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1269	USD 0.1241	USD 0.1236	USD 0.1230
		M	SBD 1 =	EUR 0.1118	EUR 0.1062	EUR 0.1057	EUR 0.1083

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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<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 13.1090	ZAR 14.5088	ZAR 13.9775	ZAR 14.6088
		S	USD 1 =	ZAR 13.4265	ZAR 14.8263	ZAR 14.2950	ZAR 14.9263
	ZAR	B	EUR 1 =	ZAR 14.8599	ZAR 16.8725	ZAR 16.1652	ZAR 16.5126
		S	EUR 1 =	ZAR 15.2931	ZAR 17.3098	ZAR 16.5989	ZAR 16.9437
<b>South Sudan</b>							
Juba 225	South Sudanese pound = 100 piastres SSP	M	USD 1 =	SSP .	SSP 148.2888	SSP 149.5271	SSP 150.0031
		M	EUR 1 =	SSP .	SSP 173.7131	SSP 175.0739	SSP 171.1687
<b>Spain</b>							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1651	USD 1.1576	USD 1.1318
<b>Sri Lanka</b>							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 150.64	LKR 159.5446	LKR 166.9834	LKR 172.3605
		S	USD 1 =	LKR 154.44	LKR 162.7471	LKR 170.8572	LKR 176.2547
	LKR	B	EUR 1 =	LKR 169.32	LKR 184.8905	LKR 193.2234	LKR 194.2662
		S	EUR 1 =	LKR 175.72	LKR 191.1328	LKR 200.2569	LKR 201.2831
<b>Sudan <sup>1</sup></b>							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 6.6943	SDG 17.9551	SDG 17.9551	SDG 47.5000 <sup>1</sup>
		S	USD 1 =	SDG 6.7277	SDG 18.0449	SDG 18.0449	SDG 47.7375 <sup>1</sup>
	SDG	B	EUR 1 =	SDG 7.5997	SDG 21.0062	SDG 20.8279	SDG 53.8717 <sup>1</sup>
		S	EUR 1 =	SDG 7.6377	SDG 21.1112	SDG 20.9321	SDG 54.1410 <sup>1</sup>
<b>Suriname</b>							
Paramaribo 492	Suriname dollar = 100 cents	B	USD 1 =	SRD 7.426	SRD 7.396	SRD 7.396	SRD 7.396
		S	USD 1 =	SRD 7.551	SRD 7.520	SRD 7.520	SRD 7.520
	SRD	B	EUR 1 =	SRD 8.418	SRD 8.637	SRD 8.648	SRD 8.401
		S	EUR 1 =	SRD 8.549	SRD 8.772	SRD 8.783	SRD 8.532
<b>Sweden</b>							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.4983	SEK 9.0519	SEK 8.8048	SEK 9.1123
		S	USD 1 =	SEK 8.5752	SEK 9.1569	SEK 8.9098	SEK 9.2173
	SEK	B	EUR 1 =	SEK 9.6147	SEK 10.5797	SEK 10.2370	SEK 10.3464
		S	EUR 1 =	SEK 9.6820	SEK 10.6947	SEK 10.3520	SEK 10.4614

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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Switzerland</b>							
Berne 039	Swiss franc = 100 rappen/centimes	B	USD 1 =	CHF 0.9845	CHF 0.9678	CHF 0.9773	CHF 1.0059
		B	EUR 1 =	CHF 1.1159	CHF 1.1293	CHF 1.1349	CHF 1.1403
	CHF						
<b>Syrian Arab Republic</b>							
Damascus 608	Syrian pound = 100 piastres	B	USD 1 =	SYP 500.80	SYP 434.00	SYP 434.00	SYP 434.00
		S	USD 1 =	SYP 505.62	SYP 438.34	SYP 438.34	SYP 438.34
	B	EUR 1 =	SYP 566.09	SYP 506.59	SYP 503.59	SYP 494.41	
	S	EUR 1 =	SYP 571.52	SYP 511.65	SYP 508.63	SYP 499.36	
<b>Tajikistan</b>							
Dushanbe 082	Somoni = 100 diram	M	USD 1 =	TJS 8.5691	TJS 9.4228	TJS 9.4191	TJS 9.4224
		M	EUR 1 =	TJS 9.7117	TJS 11.0077	TJS 10.9083	TJS 10.7189
<b>Tanzania, United Republic of</b>							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents	B	USD 1 =	TZS 2,219.2269	TZS 2,263.5941	TZS 2,266.1287	TZS 2,268.1386
		S	USD 1 =	TZS 2,241.4192	TZS 2,286.2300	TZS 2,288.7900	TZS 2,290.8200
	B	EUR 1 =	TZS 2,518.7227	TZS 2,645.2360	TZS 2,646.6117	TZS 2,579.3272	
	S	EUR 1 =	TZS 2,544.4141	TZS 2,672.8315	TZS 2,673.7645	TZS 2,605.8078	
<b>Thailand</b>							
Bangkok 680	Thai baht = 100 satang	B	USD 1 =	THB 33.7097	THB 32.5848	THB 32.2364	THB 33.0986
		S	USD 1 =	THB 34.0454	THB 32.9185	THB 32.5767	THB 33.4442
	B	EUR 1 =	THB 37.9823	THB 37.8490	THB 37.3504	THB 37.3472	
	S	EUR 1 =	THB 38.7106	THB 38.5741	THB 38.0908	THB 38.1104	
<b>Togo <sup>1</sup></b>							
Lomé 280	CFA franc	V	USD 1 =	XOF 580.647	XOF 563.005	XOF 566.653	XOF 579.570
		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	M	TOP 1 =	USD 0.4536	USD 0.4378	USD 0.4391	USD 0.4374
		M	TOP 1 =	EUR 0.3994	EUR 0.3740	EUR 0.3761	EUR 0.3847
<b>Trinidad and Tobago</b>							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents	B	USD 1 =	TTD 6.7186	TTD 6.7263	TTD 6.7481	TTD 6.7310
		S	USD 1 =	TTD 6.7697	TTD 6.7547	TTD 6.7564	TTD 6.7552
	B	EUR 1 =	TTD 7.5960	TTD 7.8033	TTD 7.7574	TTD 7.7741	
	S	EUR 1 =	TTD 8.0842	TTD 8.3563	TTD 8.3461	TTD 8.0845	

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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Tunisia</b>							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.3900	TND 2.7514	TND 2.8030	TND 2.8822
			USD 1 =	TND 2.3923	TND 2.7541	TND 2.8059	TND 2.8850
	TND	B S	EUR 1 =	TND 2.7074	TND 3.2056	TND 3.2479	TND 3.2629
			EUR 1 =	TND 2.7101	TND 3.2089	TND 3.2512	TND 3.2662
<b>Turkey</b>							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 3.6476	TRY 6.4063	TRY 6.0752	TRY 5.5203
			USD 1 =	TRY 3.6542	TRY 6.4178	TRY 6.0862	TRY 5.5303
	TRY	B S	EUR 1 =	TRY 4.1462	TRY 7.4735	TRY 7.1130	TRY 6.2734
			EUR 1 =	TRY 4.1536	TRY 7.4869	TRY 7.1258	TRY 6.2847
<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 3.9611	TMT 4.0908	TMT 4.0600	TMT 3.9799
<b>Uganda</b>							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,608.23	UGX 3,753.75	UGX 3,815.67	UGX 3,755.29
			USD 1 =	UGX 3,618.23	UGX 3,763.75	UGX 3,825.67	UGX 3,765.29
	UGX	B S	EUR 1 =	UGX 4,100.48	UGX 4,388.81	UGX 4,483.22	UGX 4,277.10
			EUR 1 =	UGX 4,111.84	UGX 4,400.50	UGX 4,494.97	UGX 4,288.49
<b>Ukraine</b>							
Kyiv 072	Hryvnia = 100 kopyok	M	USD 100 =	UAH 2,659.3613	UAH 2,827.9437	UAH 2,829.8262	UAH 2,816.4437
		M	EUR 100 =	UAH 3,005.3131	UAH 3,306.4318	UAH 3,312.8775	UAH 3,202.8598
<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 4.1758	AED 4.2788	AED 4.2513	AED 4.1565
<b>United Kingdom <sup>1</sup></b>							
London 006	Pound sterling = 100 pence	M	GBP 1 =	USD 1.2889	USD 1.2994	USD 1.3041	USD 1.2779
		M	EUR 1 =	GBP 0.8752	GBP 0.8953	GBP 0.8907	GBP 0.8868
<b>United States</b>							
Washington 400	US dollar = 100 cents	M	EUR 1 =	USD 1.13912	USD 1.1599	USD 1.1608	USD 1.1310
		M	GBP 1 =	USD 1.28919	USD 1.2961	USD 1.3028	USD 1.2765

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 2017	Rate at end of month		
					August 2018	September 2018	October 2018
<b>Uruguay</b>							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 28.654	UYU 32.339	UYU 33.214	UYU 32.827
		M	EUR 1 =	UYU 32.4147	UYU 37.5278	UYU 38.5631	UYU 37.1585
<b>Uzbekistan</b>							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 5,178.37	UZS 7,827.23	UZS 8,079.28	UZS 8,236.87
		M	EUR 1 =	UZS 5,929.90	UZS 9,096.02	UZS 9,492.35	UZS 9,390.86
<b>Vanuatu</b>							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 107.34	VUV 110.02	VUV 110.50	VUV 111.64
		S	USD 1 =	VUV 113.30	VUV 117.35	VUV 117.85	VUV 119.06
		B	EUR 1 =	VUV 122.09	VUV 129.47	VUV 129.68	VUV 127.71
		S	EUR 1 =	VUV 126.89	VUV 134.84	VUV 135.06	VUV 133.00
<b>Venezuela, Bolivarian Republic of <sup>1</sup></b>							
Caracas 484	Bolívar/Bolívar Soberano = 100 céntimos VEF/VES	B	USD 1 =	VEF 3,011.2031 <sup>2</sup>	VES 60.93728	VES 62.01458	VES 64.57815
		S	USD 1 =	VEF 3,018.7500 <sup>2</sup>	VES 61.09000	VES 62.17000	VES 64.74000
		B	EUR 1 =	VEF 3,538.5111 <sup>2</sup>	VES 70.67505	VES 72.09194	VES 73.16704
		S	EUR 1 =	VEF 3,548.2131 <sup>2</sup>	VES 70.85829	VES 72.28506	VES 73.35689
<b>Viet Nam</b>							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 22,683	VND 23,260	VND 23,290	VND 23,300
		S	USD 1 =	VND 22,753	VND 23,340	VND 23,370	VND 23,390
		B	EUR 1 =	VND 25,686.74	VND 27,041.43	VND 27,024.04	VND 26,338.37
		S	EUR 1 =	VND 26,004.35	VND 27,307.22	VND 27,295.49	VND 27,154.08
<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 283.80	YER 292.40	YER 290.24	YER 283.48
		S	EUR 1 =	YER 284.37	YER 292.98	YER 290.82	YER 284.04
<b>Zambia</b>							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 9.5295	ZMW 10.2549	ZMW 12.2638	ZMW 11.7811
		S	USD 1 =	ZMW 9.5789	ZMW 10.3049	ZMW 12.3138	ZMW 11.8311
		B	EUR 1 =	ZMW 10.8184	ZMW 11.9429	ZMW 14.1941	ZMW 13.3338
		S	EUR 1 =	ZMW 10.8767	ZMW 12.0052	ZMW 14.2569	ZMW 13.3975

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> Average from May to December 2017.

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

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

As of end-October 2018

Country or territory (country code)	Currency	Country or territory (country code)	Currency
Åland Islands	Euro	Madeira (010)	Euro
Alhucemas	Euro	Marie-Galante (001)	Euro
American Samoa (830)	US dollar	Marshall Islands (824)	US dollar
Andaman Islands	Indian rupee	Martinique (001)	Euro
Andorra 1 (043)	Euro	Mayotte (377)	Euro
Anguilla (446)	East Caribbean dollar	Melilla (023)	Euro
Azores (010)	Euro	Micronesia, Federated States of (823)	US dollar
		Monaco 1 (001)	Euro
		Montenegro (097)	Euro
		Montserrat (470)	East Caribbean dollar
Baker Island (832)	US dollar	Mooréa	CFP franc
Balearics	Euro		
Bali	Indonesian rupiah		
Bonaire (475)	US dollar	Nauru (803)	Australian dollar
Bora-Bora	CFP franc	Newfoundland	Canadian dollar
Borneo (northern part) (701)	Malaysian ringgit	Nicobar Islands	Indian rupee
Borneo (southern part) (700)	Indonesian rupiah	Niue (838)	New Zealand dollar
British Virgin Islands (468)	US dollar	Norfolk Island (836)	Australian dollar
		Northern Mariana Islands (820)	US dollar
Canary Islands (011)	Euro		
Ceuta (021)	Euro	Palau (825)	US dollar
Chafarinas (Islands)	Euro	Pescadores	New Taiwan dollar
Christmas Island (834)	Australian dollar	Pitcairn Islands Group (813)	New Zealand dollar
Cocos Islands (833)	Australian dollar	Puerto Rico (400)	US dollar
Désirade (001)	Euro		
		Réunion (001)	Euro
Easter Island	Chilean peso		
Ecuador 1 (500)	US dollar	Saba (475)	US dollar
		San Marino 1 (047)	Euro
Faroe Islands 1 (041)	Danish krone	Spitzbergen/Spitsbergen (028)	Norwegian krone
(French) Guiana (001)	Euro	St Barthélemy (001)	Euro
French Polynesia (822)	CFP franc	St Eustatius (475)	US dollar
		St Martin (northern part) (001)	Euro
		St Pierre and Miquelon (408)	Euro
		Sumatra	Indonesian rupiah
Galapagos Islands (500)	US dollar	Swan Islands (424)	Honduran lempira
Gozo (Island of)	Euro		
Greenland (406)	Danish krone	Tahiti (822)	CFP franc
Guadeloupe (001)	Euro	Tibet (720)	Chinese renminbi
Guam (831)	US dollar	Timor-Leste 1 (626)	US dollar
Guernsey 1 (107)	Pound sterling	Tokelau (839)	New Zealand dollar/Samoan tala
		Turks and Caicos Islands 1 (454)	US dollar
Howland Island (832)	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	Zimbabwe (382)	US dollar 2
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. 2 Principal currency; alongside the US dollar the following currencies were named as "official means of payment": South African rand,

euro, pound sterling, Botswana pula (since 2 February 2009); Japanese yen, Chinese renminbi, Indian rupee, Australian dollar (since January 2014). In addition, promissory notes have been in circulation as a parallel currency since the end of November 2016.

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

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

SDR 1 <sup>1</sup> = 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
2014 Aug.	1.51838	1.15134	9.36040	157.472	0.915131	1.64866	1.38856	8.57979	9.37937	10.5872
2014 Sep.	1.48258	1.17824	9.12159	162.150	0.916305	1.66168	1.42046	8.76978	9.56627	10.7314
2014 Oct.	1.47833	1.18040	9.08595	163.459	0.923728	1.66681	1.41757	8.78735	10.0216	10.8662
2014 Nov.	1.46424	1.17374	8.98368	172.546	0.929973	1.64522	1.41446	8.73218	9.98841	10.8774
2014 Dec.	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.7693	11.3176
2015 Jan.	1.40980	1.24706	8.65194	166.667	0.934763	1.79285	1.30223	9.28315	11.0159	11.6534
2015 Feb.	1.40739	1.25213	8.65194	167.846	0.912176	1.76037	1.33534	9.34833	10.7357	11.7788
2015 Mar.	1.37949	1.28217	8.47314	165.691	0.932088	1.74961	1.34197	9.57735	11.1594	11.8956
2015 Apr.	1.40642	1.25405	8.59838	166.674	0.911718	1.70444	1.31598	9.35918	10.5145	11.6984
2015 May	1.39050	1.26755	8.50933	172.075	0.911926	1.73326	1.30944	9.45555	10.8198	11.7894
2015 June	1.40639	1.25694	8.59816	172.213	0.894767	1.75433	1.30823	9.37726	11.0497	11.5871
2015 July	1.39470	1.27172	8.53170	172.901	0.895528	1.81966	1.34212	9.48902	11.4474	12.0354
2015 Aug.	1.40380	1.25172	8.96933	170.141	0.914997	1.85624	1.35382	9.34143	11.7142	11.8760
2015 Sep.	1.40374	1.25300	8.92961	168.378	0.923574	1.88016	1.36640	9.34719	11.9341	11.7748
2015 Oct.	1.39687	1.26793	8.86942	168.840	0.910075	1.82753	1.38137	9.45600	11.9096	11.8987
2015 Nov.	1.37217	1.29707	8.77855	168.502	0.914411	1.82951	1.41484	9.67661	11.9245	11.9797
2015 Dec.	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016 Jan.	1.38050	1.26419	9.07853	167.040	0.965111	1.94374	1.40783	9.43450	11.9902	11.7571
2016 Feb.	1.38131	1.26866	9.04429	156.641	0.997049	1.86795	1.38394	9.46450	12.0578	11.7931
2016 Mar.	1.40882	1.23744	9.11129	158.675	0.978139	1.82738	1.35529	9.22041	11.6498	11.4779
2016 Apr.	1.41733	1.24294	9.19084	158.372	0.969847	1.77861	1.36390	9.25249	11.4537	11.3943
2016 May	1.40288	1.25774	9.23753	155.846	0.959693	1.83777	1.38913	9.35454	11.7220	11.6901
2016 June	1.39884	1.25999	9.29463	143.941	1.03710	1.81976	1.36527	9.37348	11.7190	11.8640
2016 July	1.39338	1.25383	9.27042	144.912	1.05743	1.81711	1.35799	9.32523	11.9229	12.0072
2016 Aug.	1.39434	1.25255	9.31255	143.561	1.06131	1.82993	1.37245	9.32297	11.6193	11.9107
2016 Sep.	1.39581	1.25062	9.31064	141.089	1.07693	1.83089	1.35980	9.31871	11.2387	12.0301
2016 Oct.	1.37385	1.25511	9.30085	143.979	1.12879	1.84137	1.35874	9.33724	11.3393	12.3613
2016 Nov.	1.35376	1.27293	9.32175	152.149	1.08718	1.81756	1.37312	9.47104	11.4806	12.4014
2016 Dec.	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017 Jan.	1.35883	1.26344	9.34798	154.363	1.09042	1.77055	1.34918	9.39655	11.2295	11.9779
2017 Feb.	1.35389	1.27762	9.30016	152.381	1.08834	1.79364	1.36080	9.49677	11.3315	12.2395
2017 Mar.	1.35685	1.26915	9.35008	152.035	1.08962	1.80596	1.35820	9.43984	11.6359	12.1213
2017 Apr.	1.37102	1.25437	9.45689	152.526	1.05940	1.87309	1.35759	9.33036	11.6961	12.1179
2017 May	1.38432	1.23369	9.45340	153.590	1.07826	1.86883	1.34417	9.17835	11.6445	12.0657
2017 June	1.39139	1.21923	9.43637	155.752	1.07207	1.80560	1.33406	9.06701	11.6696	11.7837
2017 July	1.40775	1.20043	9.46925	155.627	1.07265	1.75757	1.36692	8.92698	11.1701	11.4494
2017 Aug.	1.41339	1.19526	9.32227	156.179	1.09769	1.77182	1.36463	8.89079	11.0907	11.2683
2017 Sep.	1.41330	1.19710	9.39576	159.222	1.05596	1.76379	1.37005	8.90916	11.2676	11.4598
2017 Oct.	1.40469	1.20698	9.31099	158.940	1.06263	1.81106	1.40216	8.98142	11.4951	11.7369
2017 Nov.	1.41542	1.19455	9.35209	158.527	1.05279	1.82419	1.39631	8.88936	11.7541	11.8326
2017 Dec.	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018 Jan.	1.45712	1.16972	9.17406	158.593	1.02897	1.79124	1.35950	8.70496	11.1849	11.4288
2018 Feb.	1.44589	1.18379	9.15466	155.173	1.04457	1.85204	1.36405	8.81516	11.3826	11.9372
2018 Mar.	1.45386	1.17983	9.12359	154.386	1.03379	1.87436	1.39087	8.76017	11.3360	12.1521
2018 Apr.	1.43806	1.19055	9.11835	157.195	1.04777	1.84590	1.42282	8.86965	11.5031	12.4786
2018 May	1.41665	1.21092	9.06939	153.933	1.06307	1.83428	1.39710	9.01356	11.5491	12.4505
2018 June	1.40657	1.20653	9.31828	155.356	1.07049	1.85217	1.39764	8.99167	11.4759	12.6027
2018 July	1.40487	1.19706	9.59647	155.898	1.06728	1.82872	1.38822	8.91798	11.4126	12.2955
2018 Aug.	1.40139	1.20280	9.57341	155.554	1.07754	1.82016	1.35409	8.96789	11.6851	12.7588
2018 Sep.	1.39525	1.20530	9.60126	158.319	1.06990	1.82898	1.36232	8.98723	11.4099	12.3582
2018 Oct.	1.38213	1.22118	9.63577	156.512	1.08198	1.81639	1.38945	9.11170	11.6657	12.6669

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
2018 Aug. 1	1.40310	1.19964	9.54900	156.909	1.06870	1.82431	.	8.93903	11.4422	12.3451
2	1.39980	1.20496	9.55630	156.343	1.06777	1.82170	1.39105	8.97876	11.5026	12.3678
3	1.39645	1.20509	9.62223	156.054	1.07395	1.81302	1.38975	8.98101	11.4977	12.4533
6	1.39494	1.20848	9.54180	155.313	1.07838	.	1.39187	9.00560	11.5199	12.4345
7	1.39832	1.20524	9.56617	155.675	1.07853	1.82103	1.39084	8.98142	11.4501	12.4850
8	1.39732	1.20573	9.53525	155.661	1.08648	1.82378	1.39180	8.98674	11.4910	12.4431
9	1.39781	1.20574	9.54062	154.906	1.08459	1.82275	1.38838	8.99070	11.5079	12.5636
10	1.39124	1.21442	9.53753	154.261	1.08938	1.82433	1.38422	9.05281	11.5771	12.6030
13	1.38758	1.21686	9.54700	152.981	1.08830	1.82273	1.38023	9.06997	11.5960	12.7288
14	1.38844	1.21729	9.55539	153.784	1.08701	1.81705	1.37581	9.07433	11.5978	12.6436
15	1.38338	1.22196	9.55338	154.067	1.08842	1.81748	1.38020	9.11261	11.6707	12.6731
16	1.38595	1.21895	9.58139	153.605	1.09177	1.82280	1.37763	9.09017	11.7178	12.7313
17	1.38801	1.21852	9.56133	153.889	1.09215	1.81566	1.38295	9.08744	11.7947	12.7471
20	1.38922	1.21648	9.52018	153.508	1.08950	1.81501	1.38387	9.07342	11.7658	12.7338
21	1.39516	1.21297	9.54344	153.355	1.08699	1.81872	1.37751	9.04674	11.7719	12.7526
22	1.39806	1.20356	9.57039	153.996	1.08461	1.81971	1.37471	8.97706	11.6514	12.7325
23	1.39692	1.20643	9.59877	154.835	1.08255	1.82480	1.37240	8.99871	11.6400	12.6868
24	1.39623	1.20489	9.60956	155.568	1.08597	1.82012	1.37340	8.98755	11.6800	12.7623
27	1.39837	1.20207	9.53343	155.513	.	1.81593	1.37530	8.96523	11.6587	12.7786
28	1.40256	1.19775	9.55146	156.063	1.08772	1.81169	1.36967	8.93208	11.6473	12.7817
29	1.40015	1.20081	9.55667	155.766	1.08648	1.81053	1.36787	8.95464	11.7049	12.8235
30	1.40228	1.19935	9.58460	156.579	1.07731	1.82016	1.36050	8.94334	11.6578	12.7957
31	1.40139	1.20280	9.57341	155.554	1.07754	.	1.35409	8.96789	11.6851	12.7588
Sep. 4	1.39499	1.20653	9.52862	154.955	1.08779	1.83887	1.35844	8.99418	11.7239	12.7168
5	1.39634	1.20561	9.55374	155.691	1.08880	1.84107	1.35975	8.98893	11.7528	12.7427
6	1.39902	1.20253	9.56627	155.641	1.08166	1.84503	1.35614	8.96692	11.7560	12.7122
7	1.39998	1.20532	9.57203	154.697	1.07525	1.84293	1.35175	8.98925	11.7814	12.7234
10	1.39652	1.20691	9.57946	154.930	1.07998	1.83824	1.35951	9.00098	11.7107	12.6324
11	1.39702	1.20703	9.58607	155.698	1.07331	1.83583	1.36070	9.00382	11.6829	12.6032
12	1.39662	1.20554	9.59472	155.793	1.07564	.	1.35954	8.99256	11.6127	12.6538
13	1.39979	1.20464	9.58782	155.964	1.07169	1.81930	1.35724	8.98610	11.5320	12.5814
14	1.40270	1.20002	9.60541	157.172	1.06917	1.82814	1.35248	8.95159	11.5495	12.5920
17	1.40050	1.19998	9.62029	.	1.06851	1.82330	1.35022	8.95111	11.4743	12.6573
18	1.40129	1.19800	9.61733	156.665	1.06652	1.82056	1.34791	8.93735	11.4376	12.4677
19	1.40222	1.20187	9.60929	157.539	1.06358	1.81545	1.35784	8.96547	11.4742	12.4406
20	1.40409	1.19304	9.62279	157.721	1.06109	1.81197	1.35502	8.89909	11.4395	12.4359
21	1.40515	1.19496	9.61224	158.361	1.06540	1.81490	1.34431	8.91401	11.4469	12.3208
24	1.40430	1.19281	.	.	1.06954	1.81646	1.34679	8.89806	11.4144	12.3572
25	1.40397	1.19213	9.64116	158.578	1.06733	1.81785	1.35644	8.89284	11.4102	12.3215
26	1.40317	1.19551	9.64888	158.446	1.06742	1.82061	1.35890	8.91663	11.4130	12.3215
27	1.40205	1.19762	9.64209	158.194	1.06709	1.82898	1.36041	8.93320	11.3792	12.3915
28	1.39525	1.20530	9.60126	158.319	1.06990	.	1.36232	8.98723	11.4099	12.3582
Oct. 1	1.39578	1.20264	.	158.979	1.07046	1.78702	1.37170	8.96652	11.3607	12.4372
2	1.39155	1.20554	.	158.553	1.07481	1.78355	1.37005	8.98860	11.3794	12.5089
3	1.39322	1.20646	.	158.269	1.07327	1.78778	1.37539	8.99612	11.3942	12.5108
4	1.39031	1.20876	.	159.052	1.07091	1.79350	1.37842	9.01339	11.4400	12.5745
5	1.39118	1.20909	.	158.720	1.06706	.	1.38256	9.01843	11.5024	12.6148
9	1.38940	1.21504	9.62010	157.002	1.06459	1.80136	1.38176	9.06323	11.5326	12.6617
10	1.39242	1.21080	9.63419	157.400	1.05783	1.80904	1.38101	9.03269	11.4382	12.6647
11	1.39648	1.20646	9.67511	156.615	1.05738	1.82073	1.37916	9.00058	11.4690	12.6239
12	1.39726	1.20724	9.66230	156.716	1.05697	1.82076	1.38524	9.00633	11.4296	12.5052
15	1.39785	1.20702	9.68364	156.545	1.06107	1.81623	1.37730	9.00552	11.4182	12.5549
16	1.39725	1.20587	9.66744	156.296	1.05704	1.80776	1.38041	8.99685	11.3590	12.4766
17	1.39483	1.20974	9.66230	156.765	1.06216	1.81244	1.38500	9.02511	11.4070	12.4335
18	1.39315	1.21091	9.66529	156.744	1.06113	1.81904	1.38250	9.03416	11.4549	12.5041
19	1.39030	1.21212	9.63893	156.159	1.06696	1.82185	1.38481	9.04306	11.4568	12.5497
22	1.39121	1.21038	9.64860	156.441	1.06794	1.82318	1.38731	9.02975	11.4608	12.4584
23	1.39004	1.21104	9.64618	156.727	1.07037	1.82067	1.38413	9.03481	11.5113	12.5313
24	1.38690	1.21776	9.62306	155.943	1.07362	1.80700	1.38254	9.08488	11.5526	12.5441
25	1.38668	1.21468	9.63475	155.239	1.07536	1.81322	1.38557	9.06281	11.5271	12.6554
26	1.38371	1.21966	9.60025	155.542	1.08178	1.81376	1.38474	9.09951	11.6062	12.6202
29	1.38549	1.21737	9.63326	155.105	1.08013	1.81762	1.38479	9.08323	11.5809	12.6674
30	1.38216	1.21541	9.62399	155.507	1.08482	1.81519	1.38576	9.06865	11.5992	12.6308
31	1.38213	1.22118	9.63577	156.512	1.08198	1.81639	1.38945	9.11170	11.6657	12.6669
Nov. 1	1.38614	1.21666	9.63828	156.481	1.07324	1.81418	1.39030	9.07672	11.5765	12.5677
2	1.39073	1.21812	9.59113	157.222	1.06807	1.82255	1.38676	9.08760	11.5896	12.5184
5	1.38602	1.21902	9.60163	156.897	1.06588	1.81513	1.39475	9.09339	11.6099	12.5612
6	1.38820	1.21474	9.61178	157.255	1.06229	1.82271	1.39396	9.06109	11.5944	12.5724
7	1.39230	1.21206	9.64832	158.165	1.05798	1.82335	1.38666	9.04175	11.5544	12.5360
8	1.38801	1.21499	9.61659	157.706	1.05923	.	1.39238	9.06339	11.5520	12.4618

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 2017

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 <sup>2</sup> Tuvalu			
<b>Currency board</b>	Djibouti Hong Kong  <b>ECCU <sup>3</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>5</sup> Sao Tome and Principe  <b>WAEMU <sup>6</sup></b> Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo  <b>CAEMC <sup>7</sup></b> Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Libya Morocco	Bhutan Eswatini Lesotho Namibia Nepal			Samoa <sup>4</sup> Solomon Islands <sup>4</sup>
<b>Stabilised arrangement</b>	Angola Guyana Lebanon Maldives Trinidad and Tobago <sup>11,12</sup>	Croatia Macedonia, former Yugoslav Republic of	Singapore Viet Nam <sup>8</sup>		Bangladesh <sup>8</sup> Bolivia, Plurinational State of <sup>8</sup> China <sup>4,11,12</sup> Malawi <sup>8</sup> Nigeria <sup>8</sup> Papua New Guinea <sup>8</sup> Tajikistan <sup>8</sup> Tanzania, United Republic of <sup>8</sup> Yemen <sup>8</sup>	Czechia <sup>9</sup> Serbia <sup>9</sup>	Kenya <sup>8,10,11</sup> Lao People's Democratic Republic <sup>8</sup> Pakistan <sup>8,11</sup> Sudan <sup>8</sup>
<b>Crawling peg</b>	Honduras Nicaragua		Botswana				
<b>Crawl-like arrangement</b>			Iran, Islamic Republic of <sup>8</sup>		Burundi <sup>8</sup> Ethiopia <sup>8</sup> Rwanda <sup>8,11</sup> Uzbekistan <sup>8</sup>	Dominican Republic <sup>8</sup>	Costa Rica <sup>8,10</sup> Jamaica <sup>8,10</sup> Mauritania <sup>8,11</sup> Sri Lanka <sup>8,10</sup>

## VI. Global exchange rate arrangements and monetary policy framework\*

As of end-April 2017

Exchange rate arrangement	Monetary policy framework					Monetary aggregate target	Inflation-targeting framework	Other <sup>1</sup>
	Exchange rate target				Other			
	US dollar	Euro	Exchange rate anchor Composite	Other				
<b>Pegged exchange rate within horizontal bands</b>								Tonga <sup>4</sup>
<b>Other managed arrangement</b>	Cambodia Liberia Zimbabwe		Syrian Arab Republic			Algeria Belarus Congo, Democratic Republic of the <sup>8</sup> Gambia Guinea Myanmar Sierra Leone <sup>11</sup> Suriname		Azerbaijan Haiti Kyrgyzstan South Sudan Vanuatu Venezuela, Bolivarian Republic of
<b>Floating</b>						Afghanistan Madagascar Seychelles	Albania Argentina Armenia Brazil Colombia Georgia Ghana Guatemala Hungary Iceland India Indonesia Israel Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Romania South Africa Thailand Turkey Uganda Ukraine Uruguay	Egypt Malaysia Mauritius Mongolia <sup>10</sup> Mozambique <sup>10</sup> Switzerland Tunisia <sup>10</sup> Zambia
<b>Free floating</b>							Australia Canada Chile Japan Mexico Norway Poland Russian Federation Sweden United Kingdom	Somalia <sup>13</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

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2017, 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> IMF member since 12 April 2016. <sup>3</sup> The members participate in the Eastern Caribbean Currency Union. <sup>4</sup> The country maintains a de facto exchange rate anchor to a composite. <sup>5</sup> The member participates in ERM II. <sup>6</sup> The members participate in the West African Economic and Monetary Union. <sup>7</sup> The members participate in the Central African Economic and Monetary Community. <sup>8</sup> The

country maintains a de facto exchange rate anchor to the US dollar. <sup>9</sup> The country maintains a de facto exchange rate anchor to the euro. <sup>10</sup> The central bank has taken preliminary steps toward inflation targeting. <sup>11</sup> The exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously published classification. <sup>12</sup> The exchange rate arrangement was reclassified twice during this reporting period. <sup>13</sup> Currently the Central Bank of Somalia does not have a monetary policy framework.

## VII. ISO currency codes \*

As of end-October 2018

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

\* Extracted and compiled from ISO communications. <sup>1</sup> See Explanatory notes on individual countries, pp. 57 ff.



VII. ISO currency codes \*

As of end-October 2018

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



## ■ 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.

### ■ 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<sup>o</sup>

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

<sup>o</sup> 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 2017 (see Table VI., pp. 46-47) is based on the IMF's "Annual Report on Exchange Arrangements and Exchange Restrictions 2017", 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.

## Bangladesh

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

## Benin

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

## Bhutan

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

## Brunei Darussalam

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

## Burkina Faso

See Explanatory notes on Benin.

## Cameroon

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

## Central African Republic

See Explanatory notes on Cameroon.

## Chad

See Explanatory notes on Cameroon.

## Congo

See Explanatory notes on Cameroon.

## Cook Islands

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

## Côte d'Ivoire

See Explanatory notes on Benin.

## Cuba

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

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

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

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

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

## El Salvador

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

## Equatorial Guinea

See Explanatory notes on Cameroon.

## Eswatini

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

## Gabon

See Explanatory notes on Cameroon.

## Greece

Greece imposed capital controls by way of a decree dated 28 June 2015; these controls have been renewed and amended several times.

## 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

The changes in the exchange rate regime that have been observed since April 2018 (which have already been reported on) are continuing. As we have only incomplete information on the extensive regulations, the information provided below on applying exchange rates – valid since 6 August 2018 – is intended merely as a guideline.

Central bank rate (see page 29)

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

NIMA rate

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. On 31 October 2018, this exchange rate stood at 85,427.50 rials to the US dollar and 92,061.00 rials to the euro.

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. At end-October 2018, this exchange rate stood at approximately 154,000 rials to the US dollar and 174,550 rials to the euro.

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.

## Mauritania

With effect from 1 January 2018, a currency changeover took place at the ratio of 10 (old) ouguiya (MRO) = 1 (new) ouguiya (MRU); the (old) ouguiya remained legal tender in this ratio until the end of June 2018.

The currency changeover did not entail any appreciation or depreciation against other currencies.

## Namibia

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

## New Caledonia

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

## Niger

See Explanatory notes on Benin.

## Nigeria

Alongside the official published reference exchange rates, there are bureau de change rates, which deviate. According to financial information providers, the exchange rate was around 360 naira to the US dollar at the end of October 2018.

## Panama

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

## Sao Tome and Principe

With effect from 1 January 2018, a currency changeover took place at the ratio of 1,000 (old) dobra (STD) = 1 (new) dobra (STN); the (old) dobra remained legal tender in this ratio until the end of June 2018.

The currency changeover did not entail any appreciation or depreciation against other currencies.

## 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.

## Sudan

The Sudanese pound was devalued on 7 October 2018.

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

4 October 2018    USD 1 = SDG 17.9551 / 18.0449  
                          EUR 1 = SDG 20.5837 / 20.6866

7 October 2018    USD 1 = SDG 47.5000 / 47.7375  
                          EUR 1 = SDG 54.7338 / 55.0074

Calculated using these exchange rates, the Sudanese pound experienced a devaluation of 62.2% against the US dollar and 62.4% against the euro.

## Togo

See Explanatory notes on Benin.

## Turkmenistan

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

## United Arab Emirates

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

## United Kingdom

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

## Venezuela, Bolivarian Republic of

With effect from 20 August 2018, a currency changeover took place at the ratio of 100,000 bolívar (VEF) = 1 bolívar soberano (VES).

Alongside the official, published exchange rates a black market is still in existence and according to financial information providers, the exchange rate for the US dollar was more than 200 bolívar soberano at the end of October 2018.