



Exchange rate statistics October 2018

Statistical Supplement 5
to the Monthly Report

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Further statistical data, supplementing the Monthly Report, can be found in the following supplements.

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

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	Data unknown, not to be published or not meaningful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

Discrepancies in the totals are due to rounding.

I. Euro area and exchange rate stability convergence criterion

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

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

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

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

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

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

2001. ³ Until 31 December 2010; accession to the euro area on 1 January 2011. ⁴ Until 31 December 2014; accession to the euro area on 1 January 2015. ⁵ Until 31 December 2006; accession to the euro area on 1 January 2007. ⁶ Until 31 December 2007; accession to the euro area on 1 January 2008. ⁷ Until 31 December 2013; accession to the euro area on 1 January 2014. ⁸ Until 31 December 2008; accession to the euro area on 1 January 2009.

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

1. Daily rates

EUR 1 = CU ...

Period		EU member countries								
		Bulgaria Bulgarian lev BGN	Croatia Kuna HRK	Czechia Czech koruna CZK	Denmark Danish krone DKK	Hungary Hungarian forint HUF	Poland Polish zloty PLN	Romania Romanian leu RON	Sweden Swedish krona SEK	
2018	July	2	1.9558	7.3846	25.998	7.4504	329.81	4.3893	4.6578	10.4490
		3	1.9558	7.3845	26.073	7.4506	327.35	4.3915	4.6615	10.3123
		4	1.9558	7.3940	26.028	7.4507	325.65	4.3790	4.6656	10.2510
		5	1.9558	7.3970	25.938	7.4507	322.95	4.3577	4.6625	10.2363
		6	1.9558	7.4065	25.942	7.4528	324.35	4.3675	4.6608	10.2910
		9	1.9558	7.4113	25.858	7.4534	322.74	4.3204	4.6585	10.2548
		10	1.9558	7.3980	25.898	7.4536	324.84	4.3208	4.6585	10.2438
		11	1.9558	7.3960	25.929	7.4541	324.66	4.3214	4.6602	10.2745
		12	1.9558	7.3975	25.938	7.4554	325.28	4.3272	4.6588	10.3350
		13	1.9558	7.3963	25.924	7.4555	324.06	4.3210	4.6578	10.3760
		16	1.9558	7.3945	25.883	7.4549	322.14	4.3013	4.6558	10.3333
		17	1.9558	7.3915	25.875	7.4540	323.35	4.3007	4.6617	10.3003
		18	1.9558	7.3928	25.853	7.4544	323.94	4.3103	4.6560	10.3120
		19	1.9558	7.3938	25.920	7.4537	325.77	4.3280	4.6575	10.3565
		20	1.9558	7.3956	25.875	7.4520	325.63	4.3229	4.6523	10.3908
		23	1.9558	7.3978	25.848	7.4509	326.02	4.3200	4.6464	10.3488
		24	1.9558	7.3975	25.761	7.4504	326.64	4.3179	4.6398	10.3278
		25	1.9558	7.4020	25.675	7.4513	325.92	4.2996	4.6275	10.2925
		26	1.9558	7.4025	25.647	7.4517	324.43	4.2835	4.6318	10.2738
		27	1.9558	7.4008	25.622	7.4500	323.15	4.2918	4.6290	10.3010
		30	1.9558	7.4005	25.624	7.4493	322.02	4.2773	4.6238	10.2503
		31	1.9558	7.4020	25.598	7.4499	320.43	4.2770	4.6255	10.2570
	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

* 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	
0.88650	1.5825	4.5227	1.5342	7.7586	9.1325	124.00	80.0705	2018 July 2	
0.88350	1.5761	4.5429	1.5344	7.7481	9.1506	124.60	79.9310	3	
0.88108	1.5763	4.5346	1.5306	7.7207	9.1307	125.25	80.0270	4	
0.88310	1.5821	4.5521	1.5374	7.7672	9.1887	124.80	80.7300	5	
0.88595	1.5809	4.6279	1.5397	7.7937	9.2013	125.20	80.7460	6	
0.88345	1.5755	4.5564	1.5415	7.7967	9.2526	125.20	80.9585	9	
0.88338	1.5739	4.5513	1.5382	7.7767	9.1926	125.40	80.6170	10	
0.88482	1.5869	4.4923	1.5421	7.8359	9.2111	125.40	80.7045	11	
0.88263	1.5778	4.5049	1.5369	7.7780	9.1494	125.40	79.8805	12	
0.88488	1.5764	4.5373	1.5358	7.8012	9.1387	125.20	79.7320	13	
0.88270	1.5773	4.5090	1.5399	7.8273	9.1989	125.20	80.3515	16	
0.88725	1.5810	4.5281	1.5403	7.8324	9.1888	124.60	80.1405	17	
0.89118	1.5794	4.4804	1.5389	7.8042	9.1141	124.40	79.6840	18	
0.89298	1.5804	4.4874	1.5351	7.8553	9.0963	124.40	80.0155	19	
0.89445	1.5818	4.4364	1.5443	7.9210	9.1597	124.00	80.3210	20	
0.89170	1.5821	4.4322	1.5387	7.9508	9.1948	124.60	80.6730	23	
0.89178	1.5797	4.4184	1.5393	7.9561	9.1846	124.60	80.7100	24	
0.88855	1.5766	4.3539	1.5341	7.9047	9.1714	124.20	80.3640	25	
0.88860	1.5792	4.3523	1.5287	7.9464	9.1949	122.20	80.4480	26	
0.88823	1.5765	4.3472	1.5193	7.9454	9.1241	122.80	79.8465	27	
0.89070	1.5795	4.3334	1.5245	7.9712	9.1696	122.80	80.1965	30	
0.89220	1.5804	4.3818	1.5298	8.0178	9.2114	122.80	80.4445	31	
0.89040	1.5767	4.4028	1.5231	7.9519	9.1807	123.40	79.9705	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	7.9626	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	

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 July	2	16,760.16	4.2650	128.86	1,303.87	4.7093	23.3320	1.7315	9.5015	
	3	16,766.10	4.2521	129.09	1,298.07	4.7208	22.9451	1.7281	9.4655	
	4	16,709.00	4.2524	128.64	1,301.20	4.7104	22.6786	1.7217	9.4433	
	5	16,843.40	4.2492	129.53	1,309.08	4.7339	22.5827	1.7256	9.4410	
	6	16,847.39	4.2625	129.65	1,310.92	4.7424	22.4660	1.7186	9.4425	
	9	16,887.74	4.2656	130.21	1,309.88	4.7504	22.4356	1.7198	9.4218	
	10	16,799.96	4.2668	130.30	1,308.63	4.7099	22.4121	1.7188	9.4145	
	11	16,857.33	4.2664	130.53	1,318.67	4.7374	22.3622	1.7266	9.4458	
	12	16,766.54	4.2559	131.13	1,312.52	4.7089	22.0857	1.7240	9.4443	
	13	16,787.23	4.2441	131.04	1,319.70	4.7106	22.1768	1.7280	9.4830	
	16	16,847.50	4.2650	131.65	1,320.93	4.7382	22.0340	1.7262	9.4790	
	17	16,822.96	4.2514	131.81	1,319.73	4.7267	22.1732	1.7191	9.4875	
	18	16,725.65	4.2315	130.92	1,316.94	4.7071	22.0778	1.7175	9.5023	
	19	16,773.63	4.2393	130.98	1,320.68	4.7231	22.1067	1.7229	9.5763	
	20	16,941.92	4.2458	130.94	1,322.71	4.7453	22.1573	1.7251	9.5905	
	23	16,976.63	4.2618	130.18	1,328.95	4.7602	22.3736	1.7204	9.5533	
	24	16,972.88	4.2709	130.06	1,320.85	4.7550	22.0446	1.7192	9.5605	
	25	16,884.57	4.2545	129.80	1,312.47	4.7409	21.9426	1.7173	9.5485	
	26	16,935.48	4.2593	129.91	1,311.82	4.7600	21.9020	1.7186	9.5455	
	27	16,760.34	4.2661	129.25	1,300.18	4.7250	21.6713	1.7179	9.5358	
	30	16,814.44	4.2820	129.79	1,305.99	4.7408	21.7160	1.7165	9.5290	
	31	16,923.31	4.3022	130.84	1,312.79	4.7631	21.7820	1.7213	9.5338	
	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

* See Explanatory notes, p. 51.

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

Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States	Period
Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD	
62.137	73.4691	1.5925	16.0710	1.1563	38.589	5.3743	1.1639	2018 July 2
62.249	73.6468	1.5921	15.9718	1.1573	38.681	5.4444	1.1665	3
62.158	73.6646	1.5891	15.9628	1.1557	38.622	5.4692	1.1642	4
62.468	73.7787	1.5965	15.8715	1.1613	38.874	5.4002	1.1709	5
62.519	74.0505	1.5948	15.9388	1.1634	38.900	5.4038	1.1724	6
62.890	73.8901	1.5949	15.6915	1.1646	39.022	5.3262	1.1789	9
62.647	73.2605	1.5893	15.7331	1.1649	38.875	5.5065	1.1713	10
62.893	72.7507	1.5968	15.8210	1.1653	39.042	5.6103	1.1735	11
62.378	72.4169	1.5889	15.6488	1.1642	38.775	5.6364	1.1658	12
62.291	72.4844	1.5919	15.5187	1.1704	38.841	5.6467	1.1643	13
62.691	72.9220	1.5954	15.4493	1.1696	38.981	5.6893	1.1720	16
62.495	73.1793	1.5941	15.5376	1.1648	38.949	5.6613	1.1707	17
62.163	73.3067	1.5883	15.5060	1.1611	38.734	5.6121	1.1611	18
62.180	73.5585	1.5909	15.6003	1.1622	38.797	5.5957	1.1588	19
62.292	74.0532	1.5960	15.7066	1.1633	39.013	5.5879	1.1670	20
62.593	73.9197	1.5979	15.8205	1.1614	39.167	5.5624	1.1716	23
62.366	73.4444	1.5967	15.6041	1.1626	39.051	5.7054	1.1706	24
62.291	73.5813	1.5931	15.4426	1.1598	38.893	5.6563	1.1690	25
62.559	73.8560	1.5943	15.4559	1.1616	39.038	5.6454	1.1716	26
61.979	73.2503	1.5860	15.3967	1.1597	38.897	5.6730	1.1625	27
62.114	72.9792	1.5914	15.4007	1.1598	38.908	5.7078	1.1684	30
62.318	73.2097	1.5976	15.3676	1.1592	39.010	5.7319	1.1736	31
61.940	73.4672	1.5922	15.5145	1.1589	38.725	5.7654	1.1696	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

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 Aug.	1.9558	7.5372	25.818	7.4580	299.46	4.2299	4.4371	8.7034	0.85904	1.4742
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

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

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

and non-European countries													
Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia			
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK ¹	Indian rupee INR	Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Period		
3.1170	1.3853	8.1477	10.3223	–	83.9480	14,168.72	4.7610	130.34	1,485.93	4.3631	2013	Aug.	Sep.
3.0345	1.3817	8.1690	10.3504	–	85.2678	15,073.16	4.7636	132.41	1,446.60	4.3410			
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.	Feb.
3.2581	1.5094	8.3062	10.6012	–	84.9503	16,270.18	4.8043	139.35	1,462.51	4.5194			
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.	Feb.
3.1977	1.4199	7.0960	8.8020	–	70.4356	14,504.28	4.4192	134.69	1,250.50	4.0822			
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.	Feb.
4.3953	1.5317	7.2658	8.6333	–	75.7172	14,985.33	4.3336	127.35	1,349.77	4.6411			
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	4.2599	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.	Feb.
3.3022	1.3942	7.3143	8.2586	–	71.2908	14,186.74	3.9672	120.17	1,215.92	4.7283			
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.	Feb.
4.0109	1.5526	7.8068	9.6585	124.69	79.5615	16,793.74	4.3173	133.29	1,331.47	4.8318			
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.		

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

2. Monthly averages + (cont'd)

EUR 1 = CU ...

Other European and non-European countries (cont'd)											
Period	Mexico	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD
2013 Aug.	17.1996	1.6829	7.9386	58.471	43.9748	1.6941	13.4190	1.2338	42.072	2.6125	1.3310
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

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

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

3. End-of-year rates and annual averages

EUR 1 = CU ...

EU member countries									
Period	Bulgaria	Croatia	Cyprus	Czechia	Denmark	Estonia	Hungary	Latvia	Lithuania
	Bulgarian lev BGN	Kuna HRK 1	Cyprus pound CYP 2	Czech koruna CZK	Danish krone DKK	Estonian kroon EEK 2	Hungarian forint HUF	Latvian lats LVL 2	Lithuanian litas LTL 2
End of year									
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	–	–
Annual averages +									
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	–	–

EU member countries (cont'd)							Other European and non-European countries		
Malta	Poland	Romania	Slovakia	Slovenia	Sweden	United Kingdom	Australia	Brazil	Canada
Maltese lira MTL 2	Polish zloty PLN	Romanian leu (old)/(new) ROL/RON 3	Slovak koruna SKK 2	Slovenian tolar SIT 2	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD	Brazilian real BRL 4	Canadian dollar CAD
End of year									
2004	0.4343	4.0845	39,390	38.745	239.7600	9.0206	0.70505	1.7459	1.6416
2005	0.4293	3.8600	3 3.6802	37.880	239.5000	9.3885	0.68530	1.6109	1.3725
2006	0.4293	3.8310	3.3835	34.435	239.6400	9.0404	0.67150	1.6691	1.5281
2007	0.4293	3.5935	3.6077	33.583	–	9.4415	0.73335	1.6757	1.4449
2008	–	4.1535	4.0225	30.126	–	10.8700	0.95250	2.0274	1.6998
2009	–	4.1045	4.2363	–	–	10.2520	0.88810	1.6008	1.5128
2010	–	3.9750	4.2620	–	–	8.9655	0.86075	1.3136	1.3322
2011	–	4.4580	4.3233	–	–	8.9120	0.83530	1.2723	2.4159
2012	–	4.0740	4.4445	–	–	8.5820	0.81610	1.2712	2.7036
2013	–	4.1543	4.4710	–	–	8.8591	0.83370	1.5423	3.2576
2014	–	4.2732	4.4828	–	–	9.3930	0.77890	1.4829	3.2207
2015	–	4.2639	4.5240	–	–	9.1895	0.73395	1.4897	4.3117
2016	–	4.4103	4.5390	–	–	9.5525	0.85618	1.4596	3.4305
2017	–	4.1770	4.6585	–	–	9.8438	0.88723	1.5346	3.9729
Annual averages +									
2004	0.4280	4.5268	40,510	40.022	239.0874	9.1243	0.67866	1.6905	1.6167
2005	0.4299	4.0230	3 3.6209	38.599	239.5681	9.2822	0.68380	1.6320	1.5087
2006	0.4293	3.8959	3.5258	37.234	239.5961	9.2544	0.68173	1.6668	1.4237
2007	0.4293	3.7837	3.3353	33.775	–	9.2501	0.68434	1.6348	1.4678
2008	–	3.5121	3.6826	31.262	–	9.6152	0.79628	1.7416	1.5594
2009	–	4.3276	4.2399	–	–	10.6191	0.89094	1.7727	1.5850
2010	–	3.9947	4.2122	–	–	9.5373	0.85784	1.4423	2.3314
2011	–	4.1206	4.2391	–	–	9.0298	0.86788	1.3484	2.3265
2012	–	4.1847	4.4593	–	–	8.7041	0.81087	1.2407	2.5084
2013	–	4.1975	4.4190	–	–	8.6515	0.84926	1.3777	2.8687
2014	–	4.1843	4.4437	–	–	9.0985	0.80612	1.4719	3.1211
2015	–	4.1841	4.4454	–	–	9.3535	0.72584	1.4777	3.7004
2016	–	4.3632	4.4904	–	–	9.4689	0.81948	1.4883	3.8561
2017	–	4.2570	4.5688	–	–	9.6351	0.87667	1.4732	3.6054

* 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 ¹	Hong Kong Hong Kong dollar HKD	Iceland Icelandic krona ISK ²	India Indian rupee INR ³	Indonesia Indonesian rupiah IDR ¹	Israel New shekel ILS ⁴	Japan Japanese yen JPY	Korea, Republic of South Korean won KRW	Malaysia Malaysian ringgit MYR ¹	Mexico Mexican peso MXN ⁵
End of year										
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
Annual averages +										
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	² 143.83	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911
2009	9.5277	10.8114	–	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989
2010	8.9712	10.2994	–	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373
2011	8.9960	10.8362	–	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877
2012	8.1052	9.9663	–	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029
2013	8.1646	10.3016	–	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641
2014	8.1857	10.3025	–	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550
2015	6.9733	8.6014	–	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157
2016	7.3522	8.5922	–	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673
2017	7.6290	8.8045	–	73.5324	15,118.01	4.0622	126.71	1,276.74	4.8527	21.3286

Other European and non-European countries (cont'd)

Period	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP ¹	Russian Federation Russian rouble RUB ¹	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB ¹	Turkey Turkish lira/ New Turkish lira TRL/TRY ⁶	United States US dollar USD
End of year										
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
Annual averages +										
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. ¹ Up to March 2005, ECB indicative rates. ² The ECB did not fix euro foreign exchange reference rates for the Icelandic krona from 4 December 2008 to 31 January 2018. ³ Up to

December 2008, ECB indicative rates. ⁴ Up to December 2010, ECB indicative rates. ⁵ Up to December 2007, ECB indicative rates. ⁶ 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



¹ Last monthly average: September 2018. ² Last updated: 9 October 2018.

III. Effective exchange rates of the euro *

1. Annual and monthly averages

Q1 1999 = 100

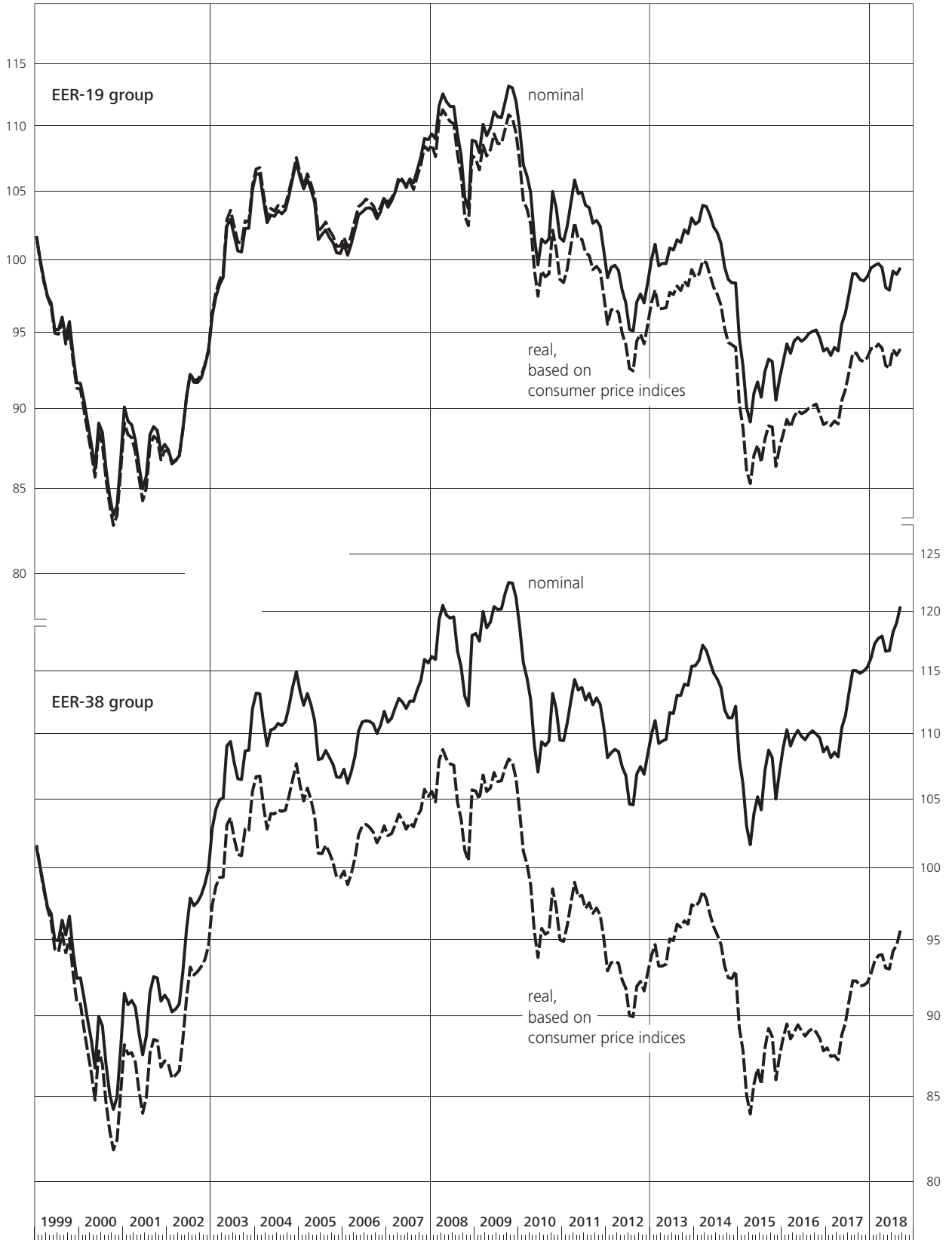
Period	Effective exchange rate of the euro vis-à-vis the currencies of the group ¹				Memo item: Indicators of the German economy's price competitiveness based on consumer price indices vis-à-vis					
	EER-19		EER-38 ²		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based on consumer price indices	Nominal	Real, based on consumer price indices	Total	of which:				
						euro area countries	non-euro area countries			
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	85.9	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	96.5	
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	86.9	94.1	93.6	94.6	86.4	85.8	
2016	94.4	89.5	109.7	p 88.8	94.7	93.6	96.2	87.4	p 87.0	
2017	96.6	91.4	112.0	p 90.0	96.0	93.7	99.4	88.6	p 87.8	
2014 Dec.	98.4	94.0	112.1	92.9	97.1	93.6	102.6	89.9	89.2	
2015 Jan.	94.6	90.3	108.0	89.2	95.1	93.5	97.4	87.8	87.0	
Feb.	92.8	88.8	106.1	87.8	94.7	93.8	95.9	87.2	86.4	
Mar.	90.0	86.1	103.0	85.0	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	93.6	93.4	93.5	85.8	84.9	
Aug.	92.4	88.0	107.1	87.9	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	87.0	
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	p 88.6	93.9	93.5	94.4	86.7	p 86.7	
Feb.	94.2	89.3	110.3	p 89.5	94.5	93.5	95.9	87.3	p 87.2	
Mar.	93.6	88.8	109.0	p 88.5	94.5	93.5	95.7	87.0	p 86.7	
Apr.	94.4	89.5	109.8	p 89.0	94.9	93.7	96.5	87.5	p 87.1	
May	94.6	89.8	110.2	p 89.4	94.7	93.5	96.2	87.6	p 87.3	
June	94.4	89.6	109.8	p 89.0	94.5	93.5	95.6	87.5	p 87.1	
July	94.6	89.8	109.5	p 88.7	94.8	93.6	96.4	87.6	p 86.9	
Aug.	94.9	90.0	110.0	p 89.0	95.0	93.5	96.9	87.6	p 87.0	
Sep.	95.1	90.1	110.2	p 89.2	95.1	93.6	97.1	87.8	p 87.2	
Oct.	95.1	90.3	110.0	p 89.0	95.4	93.7	97.7	87.9	p 87.1	
Nov.	94.6	89.6	109.6	p 88.5	94.8	93.6	96.4	87.5	p 86.8	
Dec.	93.7	89.0	108.6	p 87.8	94.7	93.9	95.6	87.3	p 86.5	
2017 Jan.	93.9	89.1	109.0	p 88.0	94.5	93.6	95.7	87.2	p 86.4	
Feb.	93.4	88.9	108.1	p 87.4	94.5	93.7	95.5	87.1	p 86.2	
Mar.	94.0	89.2	108.5	p 87.5	94.7	93.6	96.0	87.2	p 86.2	
Apr.	93.7	89.0	108.2	p 87.2	94.5	93.6	95.6	87.1	p 86.0	
May	95.6	90.5	110.5	p 88.8	95.3	93.6	97.7	88.0	p 87.0	
June	96.3	91.2	111.4	p 89.5	95.9	93.8	99.0	88.5	p 87.6	
July	97.6	92.4	113.3	p 91.0	96.5	93.8	100.5	89.1	p 88.4	
Aug.	99.0	93.6	115.0	p 92.3	97.2	93.8	102.4	89.8	p 89.2	
Sep.	99.0	93.6	115.0	p 92.2	97.3	93.9	102.5	89.9	p 89.3	
Oct.	98.6	93.1	114.8	p 91.9	97.1	93.7	102.2	89.5	p 89.0	
Nov.	98.5	93.0	115.0	p 92.0	97.2	93.8	102.4	89.5	p 89.0	
Dec.	98.8	93.3	115.3	p 92.1	97.5	94.0	103.0	89.8	p 89.3	
2018 Jan.	99.4	93.9	116.1	p 92.7	97.6	93.6	103.7	89.8	p 89.4	
Feb.	99.6	93.9	117.3	p 93.6	97.7	93.7	103.9	89.9	p 89.5	
Mar.	99.7	94.2	117.7	p 93.9	97.8	93.7	104.1	90.0	p 89.7	
Apr.	99.5	p 93.9	117.9	p 94.0	p 97.8	93.6	104.2	p 89.9	p 89.7	
May	98.1	p 92.8	116.6	p 93.1	p 97.3	93.8	p 102.8	p 89.3	p 89.3	
June	97.9	p 92.6	116.7	p 93.0	p 97.2	93.9	p 102.2	p 89.4	p 89.4	
July	99.2	p 93.8	118.2	p 94.2	p 97.1	93.6	p 102.5	p 89.9	p 89.9	
Aug.	99.0	p 93.5	119.0	p 94.6	p 96.9	93.6	p 101.8	p 89.6	p 90.0	
Sep.	99.5	p 93.9	120.4	p 95.6	p 96.9	p 93.6	p 102.0	p 89.8	p 90.7	

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

III. Effective exchange rates of the euro*

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

Q1 1999 = 100, monthly averages, log. scale



* Source: ECB.

IV. Overview of world currencies *

1. Currencies and exchange rates in individual countries

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month			
					July 2018	August 2018	September 2018	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 68.1445	AFN 71.9928	AFN 73.2054	AFN 75.6006	
		S	USD 1 =	AFN 68.2445	AFN 72.0928	AFN 73.3054	AFN 75.7006	
	AFN	B	EUR 1 =	AFN 77.1114	AFN 83.9223	AFN 85.0646	AFN 87.4117	
		S	EUR 1 =	AFN 77.3714	AFN 84.1823	AFN 85.3246	AFN 87.6717	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 118.94	ALL 107.27	ALL 108.19	ALL 108.75
M			EUR 1 =	ALL 134.16	ALL 125.76	ALL 126.27	ALL 126.29	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 111.0969	DZD 117.7267	DZD 118.0496	DZD 118.3101	
		S	USD 1 =	DZD 111.1119	DZD 117.7417	DZD 118.0646	DZD 118.3251	
	DZD	B	EUR 1 =	DZD 125.6478	DZD 137.7638	DZD 137.3271	DZD 136.9676	
		S	EUR 1 =	DZD 125.6908	DZD 137.7931	DZD 137.3682	DZD 137.0323	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 165.091	AOA 256.697	AOA 276.013	AOA 294.112	
		S	USD 1 =	AOA 166.742	AOA 257.252	AOA 276.562	AOA 294.824	
	AOA	B	EUR 1 =	AOA 184.490	AOA 300.618	AOA 321.748	AOA 343.141	
		S	EUR 1 =	AOA 186.296	AOA 301.371	AOA 322.444	AOA 344.001	
Antigua and Barbuda								
St John's 459	East Caribbean dollar = 100 cents	² B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		² S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 3.0369	XCD 3.1549	XCD 3.1320	XCD 3.1119	
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1886	XCD 3.1655	XCD 3.1451	
Argentina								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 16.4721	ARS 27.3100	ARS 36.6500	ARS 41.0500	
		S	USD 1 =	ARS 16.5721	ARS 27.4100	ARS 36.8500	ARS 41.2500	
	ARS	B	EUR 1 =	ARS 18.6421	ARS 31.9145	ARS 42.4993	ARS 47.6180	
		S	EUR 1 =	ARS 18.7969	ARS 32.0999	ARS 42.8234	ARS 47.9531	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 482.78	AMD 480.95	AMD 483.07	AMD 482.71	
		M	EUR 1 =	AMD 545.83	AMD 563.82	AMD 563.65	AMD 559.65	
Aruba								
Oranjestad 474	Aruban florin = 100 cents	² B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78	
		² S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80	
	AWG	B	EUR 100 =	AWG 202.51	AWG 209.07	AWG 207.45	AWG 206.28	
		S	EUR 100 =	AWG 204.55	AWG 211.17	AWG 209.53	AWG 208.35	

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

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7681	USD 0.7431	USD 0.7260	USD 0.7222
		M	AUD 1 =	EUR 0.6784	EUR 0.6345	EUR 0.6215	EUR 0.6200
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Azerbaijan							
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 1.9920	AZN 1.9859	AZN 1.9799
Bahamas							
Nassau 453	Bahamian dollar = 100 cents BSD	2 B	USD 1 =	BSD 0.9950	BSD 0.9950	BSD 0.9950	BSD 0.9950
		2 S	USD 1 =	BSD 1.0125	BSD 1.0125	BSD 1.0125	BSD 1.0125
		V, B	EUR 1 =	BSD 1.12405	BSD 1.16773	BSD 1.15927	BSD 1.15181
		V, S	EUR 1 =	BSD 1.14382	BSD 1.18827	BSD 1.17966	BSD 1.17207
Bahrain							
Manama 640	Bahraini dinar = 1,000 fils BHD	2 B	USD 1 =	BHD 0.37425	BHD 0.37425	BHD 0.37425	BHD 0.37425
		2 S	USD 1 =	BHD 0.37750	BHD 0.37750	BHD 0.37750	BHD 0.37750
		B	EUR 1 =	BHD 0.4157178	BHD 0.4284781	BHD 0.4274402	BHD 0.4245496
S	EUR 1 =	BHD 0.4414323	BHD 0.4549819	BHD 0.4538798	BHD 0.4508104		
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 80.6296	BDT 83.7500	BDT 83.7500	BDT 83.7500
		S	USD 1 =	BDT 80.6342	BDT 83.7500	BDT 83.7500	BDT 83.7500
		B	EUR 1 =	BDT 91.8261	BDT 97.9121	BDT 97.1416	BDT 97.2170
S	EUR 1 =	BDT 91.8648	BDT 97.9205	BDT 97.1751	BDT 97.2338		
Barbados							
Bridgetown 469	Barbados dollar = 100 cents BBD	2 B	USD 1 =	BBD 1.99375	BBD 1.99375	BBD 1.99375	BBD 1.99375
		2 S	USD 1 =	BBD 2.02768	BBD 2.02768	BBD 2.02768	BBD 2.02768
		B	EUR 1 =	BBD 2.26284	BBD 2.33164	BBD 2.32308	BBD 2.32089
S	EUR 1 =	BBD 2.30526	BBD 2.37536	BBD 2.36663	BBD 2.36440		
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 1.9314	BYN 1.9916	BYN 2.0799	BYN 2.1121
		M	EUR 1 =	BYN 2.1862	BYN 2.3222	BYN 2.4318	BYN 2.4537

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Belize							
Belmopan 421	Belize dollar = 100 cents	² B	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
		² S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
	B	EUR 1 =	BZD 2.2540	BZD 2.3225	BZD 2.3058	BZD 2.2957	
	BZD	S	EUR 1 =	BZD 2.2937	BZD 2.3635	BZD 2.3466	BZD 2.3363
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 558.927	XOF 563.005	XOF 566.653
		³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Bermuda							
Hamilton 413	Bermudian dollar = 100 cents	² B	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
		² S	USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
	V, B	EUR 1 =	BMD 1.1252	BMD 1.1689	BMD 1.1604	BMD 1.1530	
	V, S	EUR 1 =	BMD 1.1346	BMD 1.1786	BMD 1.1701	BMD 1.1626	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 63.91	BTN 67.65	BTN 69.70	BTN 71.55
		S	USD 1 =	BTN 66.02	BTN 69.75	BTN 71.85	BTN 73.75
	B	EUR 1 =	BTN 72.64	BTN 79.00	BTN 81.45	BTN 83.65	
	S	EUR 1 =	BTN 74.64	BTN 81.20	BTN 83.70	BTN 86.00	
Bolivia, Plurinational State of							
Sucre Seat of government: La Paz 516	Boliviano = 100 centavos BOB	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
		S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		V, B	EUR 1 =	BOB 7.7357	BOB 8.0509	BOB 7.9926	BOB 7.9411
		V, S	EUR 1 =	BOB 7.8485	BOB 8.1683	BOB 8.1091	BOB 8.0569
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.720423	BAM 1.669754	BAM 1.668611	BAM 1.685332
		S	USD 1 =	BAM 1.729046	BAM 1.678124	BAM 1.676975	BAM 1.693780
	BAM	³	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
Botswana							
Gaborone 391	Pula = 100 thebe	B	BWP 1 =	USD 0.0972	USD 0.0980	USD 0.0929	USD 0.0944
		S	BWP 1 =	USD 0.0970	USD 0.0977	USD 0.0926	USD 0.0942
	B	BWP 1 =	EUR 0.0856	EUR 0.0836	EUR 0.0797	EUR 0.0815	
	S	BWP 1 =	EUR 0.0854	EUR 0.0833	EUR 0.0795	EUR 0.0813	

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.1919	BRL 3.7543	BRL 4.1347	BRL 4.0033
		S	USD 1 =	BRL 3.1925	BRL 3.7549	BRL 4.1353	BRL 4.0039
	BRL	B	EUR 1 =	BRL 3.6485	BRL 4.3944	BRL 4.7942	BRL 4.6518
		S	EUR 1 =	BRL 3.6502	BRL 4.3959	BRL 4.7961	BRL 4.6545
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3657	BND 1.3520	BND 1.3554	BND 1.3585
		S	USD 1 =	BND 1.3862	BND 1.3705	BND 1.3737	BND 1.3770
	BND	B	EUR 1 =	BND 1.5347	BND 1.5683	BND 1.5697	BND 1.5668
		S	EUR 1 =	BND 1.5912	BND 1.6233	BND 1.6245	BND 1.6215
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.73478	BGN 1.66652	BGN 1.67868	BGN 1.68956
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
Burkina Faso ¹							
Ouagadougou 236	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 558.927	XOF 563.005	XOF 566.653
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Burundi							
Bujumbura 328	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,715.1343	BIF 1,763.6355	BIF 1,766.8035	BIF 1,771.6941
		S	USD 1 =	BIF 1,749.2041	BIF 1,799.2645	BIF 1,802.4965	BIF 1,807.4859
	BIF	B	EUR 1 =	BIF 1,948.7043	BIF 2,065.7463	BIF 2,063.8915	BIF 2,062.0748
		S	EUR 1 =	BIF 1,987.4246	BIF 2,107.4785	BIF 2,105.5863	BIF 2,103.7328
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 97.230	CVE 94.272	CVE 94.207	CVE 94.086
		S	USD 1 =	CVE 97.432	CVE 94.474	CVE 94.409	CVE 94.288
	CVE	2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265
Cambodia							
Phnom Penh 696	Riel = 100 sen KHR	M	USD 1 =	KHR 4,045	KHR 4,059	KHR 4,084	KHR 4,082
		B	EUR 1 =	KHR 4,595	KHR 4,753	KHR 4,763	KHR 4,751
	S	EUR 1 =	KHR 4,641	KHR 4,801	KHR 4,810	KHR 4,798	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 558.927	XAF 563.005	XAF 566.653
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Canada							
Ottawa 404	Canadian dollar = 100 cents CAD	M	USD 1 =	CAD 1.2986	CAD 1.3017	CAD 1.3055	CAD 1.2945
		M	EUR 1 =	CAD 1.4749	CAD 1.5239	CAD 1.5165	CAD 1.5020

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Cayman Islands							
George Town 463	Cayman Islands dollar = 100 cents KYD	2	KYD 1 =	USD 1.20	USD 1.20	USD 1.20	USD 1.20
		V	EUR 1 =	KYD 0.9414	KYD 0.9780	KYD 0.9709	KYD 0.9647
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 558.927	XAF 563.005	XAF 566.653
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chad ¹							
N'Djaména 244	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 558.927	XAF 563.005	XAF 566.653
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Chile							
Santiago 512	Chilean peso = 100 centavos CLP	M	USD 1 =	CLP 648.64	CLP 638.79	CLP 675.38	CLP 661.50
		M	EUR 1 =	CLP 730.93	CLP 748.17	CLP 787.06	CLP 771.88
China							
Beijing 720	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.7513	CNY 6.8165	CNY 6.8246	CNY 6.8792
		M	EUR 1 =	CNY 7.6579	CNY 7.9799	CNY 7.9646	CNY 8.0111
		M	HKD 1 =	CNY 0.86568	CNY 0.86852	CNY 0.86949	CNY 0.87995
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.31	TWD 30.555	TWD 30.665	TWD 30.475
		S	USD 1 =	TWD 30.41	TWD 30.655	TWD 30.765	TWD 30.575
		B	EUR 1 =	TWD 34.13	TWD 35.66	TWD 35.68	TWD 35.28
		S	EUR 1 =	TWD 34.53	TWD 36.06	TWD 36.08	TWD 35.68
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 2,951.285	COP 2,875.72	COP 3,027.39	COP 2,989.58
		V, M	EUR 1 =	COP 3,329.382	COP 3,374.945	COP 3,527.212	COP 3,460.738
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 435.48531	KMF 419.19542	KMF 422.25367	KMF 424.98942
		3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
Congo ¹							
Brazzaville 318	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 558.927	XAF 563.005	XAF 566.653
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957

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

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

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,455.5068	CDF 1,594.4431	CDF 1,597.2582	CDF 1,598.2773
		S	USD 1 =	CDF 1,514.9152	CDF 1,659.5224	CDF 1,662.4525	CDF 1,663.5131
	CDF	B	EUR 1 =	CDF 1,658.2101	CDF 1,866.5866	CDF 1,871.2342	CDF 1,869.0428
		S	EUR 1 =	CDF 1,725.8701	CDF 1,942.7738	CDF 1,947.6111	CDF 1,945.3303
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6438	EUR 0.5971	EUR 0.5838	EUR 0.5820
		S	NZD 1 =	EUR 0.6162	EUR 0.5713	EUR 0.5584	EUR 0.5567
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 563.02	CRC 563.43	CRC 569.54	CRC 579.12
		S	USD 1 =	CRC 572.30	CRC 570.07	CRC 575.67	CRC 585.80
	CRC	V, B	EUR 1 =	CRC 640.4559	CRC 661.2414	CRC 663.5711	CRC 670.3893
		V, S	EUR 1 =	CRC 650.8521	CRC 669.0342	CRC 670.7131	CRC 678.1221
Côte d'Ivoire ¹							
Yamoussoukro Seat of government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 558.927	XOF 563.005	XOF 566.653
		³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Croatia							
Zagreb 092	Kuna = 100 lipa	B	USD 1 =	HRK 6.585977	HRK 6.308552	HRK 6.329813	HRK 6.383565
		S	USD 1 =	HRK 6.625612	HRK 6.346518	HRK 6.367907	HRK 6.421981
	HRK	B	EUR 1 =	HRK 7.438069	HRK 7.370913	HRK 7.405248	HRK 7.401743
		S	EUR 1 =	HRK 7.482832	HRK 7.415271	HRK 7.449814	HRK 7.446287
Cuba ¹							
Havana 448	Convertible peso/ Cuban peso = 100 centavos	⁴ B	CUC 1 =	USD 1.03182	USD 1.01009	USD 1.01009	USD 1.01009
		⁴ S	CUC 1 =	USD 0.97009	USD 0.99010	USD 0.99010	USD 0.99010
	CUC/CUP	B	EUR 1 =	CUC 1.10202	CUC 1.15924	CUC 1.15448	CUC 1.15458
		S	EUR 1 =	CUC 1.17106	CUC 1.18266	CUC 1.17782	CUC 1.17792
Curaçao							
Willemstad 477	Netherlands Antillean guilder = 100 cents	⁴ B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		⁴ S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 202.47	ANG 209.08	ANG 207.46	ANG 206.28
		S	EUR 100 =	ANG 206.55	ANG 213.29	ANG 211.64	ANG 210.44
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 23.382	CZK 21.814	CZK 22.089	CZK 21.967
		M	EUR 1 =	CZK 26.289	CZK 25.600	CZK 25.735	CZK 25.715

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

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

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 659.53	DKK 634.79	DKK 639.93	DKK 644.13
		M	EUR 100 =	DKK 743.90	DKK 744.99	DKK 745.58	DKK 745.64
Djibouti							
Djibouti 338	Djibouti franc = 100 centimes DJF	2 B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
		2 S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 199.35	DJF 205.60	DJF 205.32	DJF 202.57
		S	EUR 1 =	DJF 207.47	DJF 213.63	DJF 213.33	DJF 212.58
Dominica							
Roseau 460	East Caribbean dollar = 100 cents XCD	2 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		2 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B	EUR 1 =	XCD 3.0369	XCD 3.1549	XCD 3.1320	XCD 3.1119
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1886	XCD 3.1655	XCD 3.1451
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 47.1821	DOP 49.2918	DOP 49.3755	DOP 49.4780
		S	USD 1 =	DOP 47.6080	DOP 49.7037	DOP 49.7948	DOP 49.8828
		B	EUR 1 =	DOP 52.6036	DOP 57.0652	DOP 57.1032	DOP 57.2942
		S	EUR 1 =	DOP 55.8669	DOP 60.5364	DOP 60.3800	DOP 60.4995
Egypt							
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 20.8026	EGP 20.7048	EGP 20.5715
		S	EUR 1 =	EGP 20.2009	EGP 21.0001	EGP 20.9518	EGP 20.8320
El Salvador 1							
San Salvador 428	El Salvador colón = 100 centavos SVC	2	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 9.8849	SVC 10.2690	SVC 10.1946	SVC 10.1290
Equatorial Guinea 1							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 558.927	XAF 563.005	XAF 566.653
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Eritrea							
Asmara 336	Nakfa = 100 cents ERN	2 B	USD 1 =	ERN 15.00	ERN 15.00	ERN 15.00	ERN 15.00
		2 S	USD 1 =	ERN 15.15	ERN 15.15	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 17.0619	ERN 17.5215	ERN 17.5470	ERN 17.6460
		S	EUR 1 =	ERN 17.7432	ERN 18.1577	ERN 18.1832	ERN 18.2822
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 24.0105	ETB 27.3703	ETB 27.4849	ETB 27.5889
		S	USD 1 =	ETB 24.4907	ETB 27.9177	ETB 28.0346	ETB 28.1407
	ETB	B	EUR 1 =	ETB 27.3459	ETB 31.9740	ETB 32.1244	ETB 32.4142
		S	EUR 1 =	ETB 27.9003	ETB 32.6135	ETB 32.7669	ETB 33.0625
Eswatini ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 13.2528	SZL 13.1695	SZL 14.7647	SZL 14.1061
		S	USD 1 =	SZL 13.3028	SZL 13.1746	SZL 14.7750	SZL 14.1147
	SZL	B	EUR 1 =	SZL 15.04752	SZL 15.4355	SZL 17.2373	SZL 16.4003
		S	EUR 1 =	SZL 15.10738	SZL 15.4422	SZL 17.2504	SZL 16.4112
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.77602	FKP 0.76022	FKP 0.77023	FKP 0.76650
		V	EUR 1 =	FKP 0.87667	FKP 0.89220	FKP 0.89740	FKP 0.88730
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4933	USD 0.4844	USD 0.4790	USD 0.4767
		S	FJD 1 =	USD 0.4763	USD 0.4674	USD 0.4620	USD 0.4597
	FJD	B	FJD 1 =	EUR 0.4331	EUR 0.4122	EUR 0.4086	EUR 0.4077
		S	FJD 1 =	EUR 0.4211	EUR 0.4002	EUR 0.3966	EUR 0.3957
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Gabon ¹							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 558.927	XAF 563.005	XAF 566.653
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Gambia							
Banjul 252	Dalasi = 100 bututs GMD	M	USD 1 =	GMD 46.75	GMD 48.04	GMD 48.31	GMD 49.21
		M	EUR 1 =	GMD 53.21	GMD 56.64	GMD 56.01	GMD 57.88
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.5129	GEL 2.4474	GEL 2.5803	GEL 2.6151
		M	EUR 1 =	GEL 2.8415	GEL 2.8591	GEL 3.0184	GEL 3.0306

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Ghana							
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 4.6920 GHS 4.6966 GHS 5.4928 GHS 5.4961	GHS 4.7217 GHS 4.7264 GHS 5.4933 GHS 5.4968	GHS 4.7752 GHS 4.7800 GHS 5.5367 GHS 5.5417
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.77602 GIP 0.87667	GIP 0.76022 GIP 0.89220	GIP 0.77023 GIP 0.89740	GIP 0.76650 GIP 0.88730
Greece ¹							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Grenada							
St George's 473	East Caribbean dollar = 100 cents XCD	³ B ³ 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 3.1549 XCD 3.1886	XCD 2.6882 XCD 2.7169 XCD 3.1320 XCD 3.1655	XCD 2.6882 XCD 2.7169 XCD 3.1119 XCD 3.1451
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.34631 GTQ 8.35181	GTQ 7.48477 GTQ 8.78413	GTQ 7.56254 GTQ 8.81112	GTQ 7.70206 GTQ 8.91590
Guinea							
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 10,203.364 GNF 10,718.804	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
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V 4	USD 1 = EUR 1 =	XOF 580.647 XOF 655.957	XOF 558.927 XOF 655.957	XOF 563.005 XOF 655.957	XOF 566.653 XOF 655.957
Guyana							
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 244.00 GYD 247.12	GYD 207.98 GYD 210.45 GYD 242.09 GYD 245.18	GYD 207.98 GYD 210.45 GYD 240.74 GYD 243.81

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

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 64.6157	HTG 67.7221	HTG 69.1096	HTG 69.9774
		V, M	EUR 1 =	HTG 73.3598	HTG 79.4787	HTG 80.5196	HTG 81.0058
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 23.4928	HNL 23.9769	HNL 24.0297	HNL 24.0568
		S	USD 1 =	HNL 23.6573	HNL 24.1447	HNL 24.1979	HNL 24.2252
		V, B	EUR 1 =	HNL 26.7110	HNL 28.1393	HNL 27.9970	HNL 27.8482
		V, S	EUR 1 =	HNL 26.8980	HNL 28.3362	HNL 28.1930	HNL 28.0431
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.77531	HKD 7.82870	HKD 7.82850	HKD 7.80250
		S	USD 1 =	HKD 7.81201	HKD 7.86920	HKD 7.86900	HKD 7.84300
		B	EUR 1 =	HKD 8.82724	HKD 9.16864	HKD 9.13034	HKD 9.05894
		S	EUR 1 =	HKD 8.89458	HKD 9.23736	HKD 9.19856	HKD 9.12666
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 274.27	HUF 274.02	HUF 279.76	HUF 278.76
		M	EUR 1 =	HUF 309.34	HUF 321.31	HUF 326.45	HUF 323.78
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 106.265	ISK 104.45	ISK 106.86	ISK 110.80
		S	USD 1 =	ISK 106.775	ISK 104.95	ISK 107.38	ISK 111.32
		B	EUR 1 =	ISK 120.20	ISK 122.46	ISK 124.55	ISK 128.34
		S	EUR 1 =	ISK 120.87	ISK 123.14	ISK 125.25	ISK 129.06
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 65.0330	INR 68.6068	INR 70.9255	INR 72.5474
		M	EUR 1 =	INR 73.7760	INR 80.3687	INR 82.8391	INR 84.4428
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 13,318.29	IDR 14,341.00	IDR 14,637.00	IDR 14,854.00
		S	USD 1 =	IDR 13,452.46	IDR 14,485.00	IDR 14,785.00	IDR 15,004.00
		B	EUR 1 =	IDR 15,112.80	IDR 16,787.57	IDR 17,068.21	IDR 17,300.45
		S	EUR 1 =	IDR 15,268.86	IDR 16,961.94	IDR 17,246.70	IDR 17,476.66
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 33,384	IRR 44,070 ¹	IRR 42,000 ¹	IRR 42,000 ¹
		M	EUR 1 =	IRR 37,982	IRR 51,596 ¹	IRR 49,113 ¹	IRR 48,754 ¹

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month			
					July 2018	August 2018	September 2018	
Iraq ¹								
Baghdad 612	Iraqi dinar = 1,000 fils IQD	2	B	USD 1 =	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00
			S	USD 1 =	IQD 1,184.00	IQD 1,190.00	IQD 1,190.00	IQD 1,190.00
			B	EUR 1 =	IQD 1,342.547	IQD 1,395.886	IQD 1,381.303	IQD 1,368.283
			S	EUR 1 =	IQD 1,343.218	IQD 1,396.584	IQD 1,381.994	IQD 1,377.544
		3	B	USD 1 =	IQD 1,247.67	IQD 1,197.00	IQD 1,202.00	IQD 1,198.00
			S	USD 1 =	IQD 1,252.42	IQD 1,199.00	IQD 1,206.00	IQD 1,203.00
		V, B	EUR 1 =	IQD 1,418.50	IQD 1,404.80	IQD 1,400.45	IQD 1,386.80	
			V, S	EUR 1 =	IQD 1,423.89	IQD 1,407.15	IQD 1,405.11	IQD 1,392.59
Ireland								
Dublin 007	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Israel								
Jerusalem 624	New shekel = 100 agorot ILS		M	USD 1 =	ILS 3.5998	ILS 3.6640	ILS 3.6040	ILS 3.6270
			M	EUR 1 =	ILS 4.0577	ILS 4.3004	ILS 4.2119	ILS 4.2156
Italy								
Rome 005	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Jamaica								
Kingston 464	Jamaican dollar = 100 cents JMD	B	USD 1 =	JMD 127.2698	JMD 133.2618	JMD 135.4918	JMD 134.0220	
			S	USD 1 =	JMD 128.2787	JMD 135.4433	JMD 137.5518	JMD 135.0646
			B	EUR 1 =	JMD 139.75475	JMD 149.0884	JMD 151.6175	JMD 151.2417
			S	EUR 1 =	JMD 145.69698	JMD 159.1441	JMD 161.7501	JMD 160.9937
Japan								
Tokyo 732	Japanese yen = 100 sen JPY	B	USD 1 =	JPY 111.19	JPY 110.01	JPY 110.06	JPY 112.57	
			S	USD 1 =	JPY 113.19	JPY 112.01	JPY 112.06	JPY 114.57
			B	EUR 1 =	JPY 125.72	JPY 128.43	JPY 128.06	JPY 130.64
			S	EUR 1 =	JPY 128.72	JPY 131.43	JPY 131.06	JPY 133.64
Jordan								
Amman 628	Jordanian dinar = 1,000 fils JOD	2	B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
			S	USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
			B	EUR 1 =	JOD 0.80258	JOD 0.82836	JOD 0.82666	JOD 0.81916
			S	EUR 1 =	JOD 0.80892	JOD 0.83382	JOD 0.83198	JOD 0.82722
Kazakhstan								
Astana 079	Tenge = 100 tiyn KZT		M	USD 1 =	KZT 325.56	KZT 347.06	KZT 363.43	KZT 363.07
			M	EUR 1 =	KZT 368.95	KZT 405.54	KZT 424.16	KZT 420.91

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month			
					July 2018	August 2018	September 2018	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 103.2972	KES 100.3083	KES 100.5456	KES 100.8556	
		S	USD 1 =	KES 103.4963	KES 100.5083	KES 100.7456	KES 101.0556	
	KES	B	EUR 1 =	KES 117.2709	KES 117.3533	KES 117.2522	KES 117.7489	
		S	EUR 1 =	KES 117.5243	KES 117.6128	KES 117.5233	KES 118.0167	
	Korea, Democratic People's Republic of							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 106.94	KPW 105.75 ²	KPW 105.58 ²	KPW 105.11 ²
S			USD 1 =	KPW 107.74	KPW 106.55 ²	KPW 106.38 ²	KPW 106.16 ²	
KPW		B	EUR 1 =	KPW 121.63	KPW 123.13 ²	KPW 123.13 ²	KPW 123.66 ²	
		S	EUR 1 =	KPW 122.55	KPW 124.06 ²	KPW 124.05 ²	KPW 124.89 ²	
Korea, Republic of								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,119.94	KRW 1,107.60	KRW 1,106.60	KRW 1,100.20
	S		USD 1 =	KRW 1,142.01	KRW 1,129.40	KRW 1,128.40	KRW 1,121.80	
	KRW	B	EUR 1 =	KRW 1,263.62	KRW 1,300.27	KRW 1,287.55	KRW 1,274.45	
		S	EUR 1 =	KRW 1,289.14	KRW 1,326.53	KRW 1,313.55	KRW 1,300.19	
	Kuwait							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30189	KWD 0.30120	KWD 0.30130	KWD 0.30120
S			USD 1 =	KWD 0.30541	KWD 0.30480	KWD 0.30490	KWD 0.30480	
KWD		B	EUR 1 =	KWD 0.343073	KWD 0.352841	KWD 0.351316	KWD 0.348835	
		S	EUR 1 =	KWD 0.347083	KWD 0.357058	KWD 0.355513	KWD 0.353004	
Kyrgyzstan								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 68.8641	KGS 68.0600	KGS 69.0239	KGS 69.2773
	M		EUR 1 =	KGS 77.9234	KGS 79.4737	KGS 80.6579	KGS 80.4379	
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 8,233	LAK 8,435	LAK 8,492	LAK 8,505	
		S	USD 1 =	LAK 8,270	LAK 8,448	LAK 8,505	LAK 8,518	
	LAK	B	EUR 1 =	LAK 9,297	LAK 9,832	LAK 9,894	LAK 9,886	
		S	EUR 1 =	LAK 9,342	LAK 9,878	LAK 9,940	LAK 9,932	
	Latvia							
	Riga 054	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Lebanon								
Beirut 604	Lebanese pound = 100 piastres LBP	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	
		M	EUR 1 =	LBP 1,705.71	LBP 1,768.75	LBP 1,759.55	LBP 1,750.81	
Lesotho ¹								
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 13.2590	LSL 13.2001	LSL 14.7481	LSL 14.1631	
		M	EUR 1 =	LSL 15.0639	LSL 15.4395	LSL 17.1609	LSL 16.4051	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² As a rule, 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 ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 113.16	LRD 150.8407	LRD 153.9703	LRD 155.3112
		S	USD 1 =	LRD 113.99	LRD 152.1498	LRD 154.3050	LRD 155.6021
	LRD	V, B	EUR 1 =	LRD 129.0176	LRD 177.0266	LRD 179.3908	LRD 179.7882
		V, S	EUR 1 =	LRD 129.9491	LRD 178.5630	LRD 179.7808	LRD 180.1250
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3869	LYD 1.3728	LYD 1.3746	LYD 1.3807
		S	USD 1 =	LYD 1.3939	LYD 1.3797	LYD 1.3814	LYD 1.3876
	LYD	B	EUR 1 =	LYD 1.5734	LYD 1.6076	LYD 1.6078	LYD 1.6022
		S	EUR 1 =	LYD 1.5813	LYD 1.6157	LYD 1.6158	LYD 1.6103
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0180	MOP 8.0789	MOP 8.0787	MOP 8.0540
		S	USD 1 =	MOP 8.0500	MOP 8.1014	MOP 8.1012	MOP 8.0765
	MOP	B	EUR 1 =	MOP 9.0916	MOP 9.4694	MOP 9.4335	MOP 9.3266
		S	EUR 1 =	MOP 9.1708	MOP 9.5079	MOP 9.4720	MOP 9.3651
Macedonia, former Yugoslav Republic of							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 54.2664	MKD 52.3686	MKD 52.3297	MKD 52.8562
		S	USD 1 =	MKD 54.8118	MKD 52.8950	MKD 52.8556	MKD 53.3874
	MKD	B	EUR 1 =	MKD 61.2696	MKD 61.1875	MKD 61.1838	MKD 61.1863
		S	EUR 1 =	MKD 61.8854	MKD 61.8025	MKD 61.7988	MKD 61.8013
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,115.86	MGA 3,270.34	MGA 3,328.56	MGA 3,431.07
		M	EUR 1 =	MGA 3,519.24	MGA 3,832.74	MGA 3,890.81	MGA 3,988.36
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 716.5933	MWK 716.9846	MWK 717.3054	MWK 718.3478
		S	USD 1 =	MWK 734.6611	MWK 734.9890	MWK 735.0238	MWK 736.2392
	MWK	B	EUR 1 =	MWK 813.8638	MWK 839.6606	MWK 838.0996	MWK 836.5160
		S	EUR 1 =	MWK 834.4058	MWK 860.7457	MWK 858.8018	MWK 857.3506

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.2297	MYR 3.9975	MYR 4.0438	MYR 4.0827
		S	USD 1 =	MYR 4.3546	MYR 4.1185	MYR 4.1662	MYR 4.2063
	MYR	B	EUR 1 =	MYR 4.7680	MYR 4.6674	MYR 4.7205	MYR 4.7392
		S	EUR 1 =	MYR 4.9557	MYR 4.8346	MYR 4.8896	MYR 4.9090
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.40	MVR 15.41	MVR 15.41	MVR 15.40
		V, M	EUR 1 =	MVR 17.51518	MVR 18.08518	MVR 17.95419	MVR 17.82704
Mali ¹							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 558.927	XOF 563.005	XOF 566.653
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Malta							
Valletta 046	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Mauritania ¹							
Nouakchott 228	Ouguiya = 5 khoums MRO/MRU	B	USD 1 =	MRO 355.54	MRU 35.65	MRU 35.70	MRU 35.63
		S	USD 1 =	MRO 359.10	MRU 36.01	MRU 36.06	MRU 35.99
	MRO/MRU	B	EUR 1 =	MRO 403.76	MRU 41.82	MRU 41.77	MRU 41.75
		S	EUR 1 =	MRO 407.81	MRU 42.23	MRU 42.18	MRU 42.16
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 33.9185	MUR 33.8253	MUR 33.8978	MUR 33.9444
		S	USD 1 =	MUR 35.2060	MUR 34.7243	MUR 34.7971	MUR 34.8436
	MUR	B	EUR 1 =	MUR 38.4576	MUR 39.4975	MUR 39.4306	MUR 39.4044
		S	EUR 1 =	MUR 39.9209	MUR 40.6320	MUR 40.5674	MUR 40.5391
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 18.9464	MXN 18.6230	MXN 19.1025	MXN 18.7105
		S	USD 1 =	MXN 18.9525	MXN 18.6305	MXN 19.1105	MXN 18.7175
	MXN	V, B	EUR 1 =	MXN 21.4381	MXN 21.8560	MXN 22.2563	MXN 21.6593
		V, S	EUR 1 =	MXN 21.4449	MXN 21.8648	MXN 22.2656	MXN 21.6674
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 18.4407	MDL 16.5792	MDL 16.7099	MDL 16.8637
		M	EUR 1 =	MDL 20.8089	MDL 19.3662	MDL 19.3644	MDL 19.7618
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,434.27	MNT 2,463.25	MNT 2,472.99	MNT 2,552.13
		M	EUR 1 =	MNT 2,765.21	MNT 2,885.82	MNT 2,889.19	MNT 2,965.19

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² 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		
					July 2018	August 2018	September 2018
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.6776	MAD 9.4216	MAD 9.4183	MAD 9.4510
		M	EUR 1 =	MAD 10.9408	MAD 11.0628	MAD 10.9808	MAD 10.9414
Mozambique							
Maputo 366	Metical = 100 centavos MZN	B	USD 1 =	MZN 62.69	MZN 57.57	MZN 59.34	MZN 60.04
		S	USD 1 =	MZN 63.59	MZN 58.72	MZN 60.52	MZN 61.24
		B	EUR 1 =	MZN 71.05	MZN 67.48	MZN 69.19	MZN 69.72
		S	EUR 1 =	MZN 72.10	MZN 68.82	MZN 70.57	MZN 71.11
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,361.00	MMK 1,429.00	MMK 1,512.00	MMK 1,560.00
		M	EUR 1 =	MMK 1,545.65	MMK 1,673.30	MMK 1,763.70	MMK 1,816.30
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 13.2812	NAD 13.1552	NAD 14.7099	NAD 14.1054
		M	EUR 1 =	NAD 15.0846	NAD 15.4077	NAD 17.1852	NAD 16.4290
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa NPR	B	USD 1 =	NPR 103.63	NPR 109.58	NPR 112.89	NPR 115.68
		S	USD 1 =	NPR 104.23	NPR 110.18	NPR 113.49	NPR 116.28
		B	EUR 1 =	NPR 117.79	NPR 128.04	NPR 131.98	NPR 135.42
		S	EUR 1 =	NPR 118.47	NPR 128.74	NPR 132.68	NPR 136.12
Netherlands							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
New Caledonia ¹							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.47	USD 9.83	USD 9.76	USD 9.70
		2	XPF 1,000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38
New Zealand							
Wellington 804	New Zealand dollar = 100 cents NZD	B	NZD 1 =	USD 0.7262	USD 0.6965	USD 0.6787	USD 0.6751
		S	NZD 1 =	USD 0.7005	USD 0.6715	USD 0.6542	USD 0.6507
		B	NZD 1 =	EUR 0.6438	EUR 0.5971	EUR 0.5838	EUR 0.5820
		S	NZD 1 =	EUR 0.6162	EUR 0.5713	EUR 0.5584	EUR 0.5567

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

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 30.1098	NIO 31.6760	NIO 31.8075	NIO 31.9353
		V, M	EUR 1 =	NIO 34.25529	NIO 37.17495	NIO 37.05892	NIO 36.96830
Niger 1							
Niamey 240	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 558.927	XOF 563.005	XOF 566.653
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Nigeria 1							
Abuja 288	Naira = 100 kobo NGN	B	USD 1 =	NGN 304.80	NGN 304.85	NGN 305.15	NGN 305.35
		S	USD 1 =	NGN 305.80	NGN 305.85	NGN 306.15	NGN 306.35
		B	EUR 1 =	NGN 344.9384	NGN 357.1013	NGN 355.5608	NGN 353.5953
		S	EUR 1 =	NGN 346.0701	NGN 358.2727	NGN 356.7260	NGN 354.7533
Norway							
Oslo 028	Norwegian krone = 100 øre NOK	B	USD 1 =	NOK 8.2324	NOK 8.0942	NOK 8.3067	NOK 8.1231
		S	USD 1 =	NOK 8.2974	NOK 8.1592	NOK 8.3717	NOK 8.1881
		B	EUR 1 =	NOK 9.3304	NOK 9.4905	NOK 9.6996	NOK 9.4469
		S	EUR 1 =	NOK 9.4024	NOK 9.5625	NOK 9.7716	NOK 9.5189
Oman							
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 0.4495872	OMR 0.4492416	OMR 0.4455552
		S	EUR 1 =	OMR 0.4371226	OMR 0.4508350	OMR 0.4504885	OMR 0.4467925
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B	USD 1 =	PKR 105.31	PKR 124.00	PKR 124.10	PKR 124.10
		S	USD 1 =	PKR 105.51	PKR 124.20	PKR 124.30	PKR 124.30
		B	EUR 1 =	PKR 119.11	PKR 145.24	PKR 144.82	PKR 144.59
		S	EUR 1 =	PKR 119.33	PKR 145.47	PKR 145.06	PKR 144.82
Panama 1							
Panama City 442	Balboa = 100 centésimos PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1297	PAB 1.1736	PAB 1.1651	PAB 1.1576
Papua New Guinea							
Port Moresby 801	Kina = 100 toea PGK	B	PGK 1 =	USD 0.3209	USD 0.3105	USD 0.3085	USD 0.3075
		S	PGK 1 =	USD 0.3059	USD 0.2955	USD 0.2935	USD 0.2925
		B	PGK 1 =	EUR 0.2814	EUR 0.2624	EUR 0.2616	EUR 0.2614
		S	PGK 1 =	EUR 0.2666	EUR 0.2474	EUR 0.2466	EUR 0.2464

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		
					July 2018	August 2018	September 2018
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,610.78	PYG 5,730.91	PYG 5,819.74	PYG 5,889.89
		S	USD 1 =	PYG 5,620.67	PYG 5,736.87	PYG 5,849.02	PYG 5,900.90
	PYG	V, B	EUR 1 =	PYG 6,335.38	PYG 6,725.80	PYG 6,780.58	PYG 6,818.14
V, S		EUR 1 =	PYG 6,346.64	PYG 6,732.79	PYG 6,814.69	PYG 6,830.88	
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.256	PEN 3.271	PEN 3.293	PEN 3.298
		S	USD 1 =	PEN 3.260	PEN 3.274	PEN 3.298	PEN 3.302
	PEN	B	EUR 1 =	PEN 3.592	PEN 3.717	PEN 3.812	PEN 3.795
		S	EUR 1 =	PEN 3.785	PEN 3.946	PEN 3.938	PEN 3.950
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 49.83022	PHP 52.90	PHP 53.20	PHP 53.85
		S	USD 1 =	PHP 50.92312	PHP 53.40	PHP 53.70	PHP 54.35
	PHP	B	EUR 1 =	PHP 56.30315	PHP 60.2777	PHP 60.4382	PHP 61.0499
		S	EUR 1 =	PHP 58.50222	PHP 63.7727	PHP 63.9321	PHP 64.5698
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.7782	PLN 3.6481	PLN 3.6808	PLN 3.6754
		M	EUR 1 =	PLN 4.2447	PLN 4.2779	PLN 4.2953	PLN 4.2714
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Qatar							
Doha 644	Qatari riyal = 100 dirham QAR	²	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.139	QAR 4.272	QAR 4.241	QAR 4.214
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.0517	RON 3.9487	RON 3.9789	RON 4.0210
		M	EUR 1 =	RON 4.5732	RON 4.6283	RON 4.6440	RON 4.6637
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 58.3063	RUB 62.7805	RUB 68.0821	RUB 65.5906
		M	EUR 1 =	RUB 66.0327	RUB 73.2021	RUB 79.6765	RUB 76.2294

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 823.772078	RWF 854.135733	RWF 857.387160	RWF 860.646543
		S	USD 1 =	RWF 840.245856	RWF 871.216723	RWF 874.533172	RWF 877.857735
	RWF	B	EUR 1 =	RWF 931.843275	RWF 1,000.62001	RWF 1,001.085248	RWF 1,001.362253
S		EUR 1 =	RWF 950.478377	RWF 1,020.630391	RWF 1,021.104931	RWF 1,021.387475	
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound ² = 100 pence SHP	V	USD 1 =	SHP 0.77602	SHP 0.76022	SHP 0.77023	SHP 0.76650
		V	EUR 1 =	SHP 0.87667	SHP 0.89220	SHP 0.89740	SHP 0.88730
Saint Kitts and Nevis							
Basseterre 449	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.0369	XCD 3.1549	XCD 3.1320	XCD 3.1119
V, S		EUR 1 =	XCD 3.0693	XCD 3.1886	XCD 3.1655	XCD 3.1451	
Saint Lucia							
Castries 465	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.0369	XCD 3.1549	XCD 3.1320	XCD 3.1119
V, S		EUR 1 =	XCD 3.0693	XCD 3.1886	XCD 3.1655	XCD 3.1451	
Saint Vincent and the Grenadines							
Kingstown 467	East Caribbean dollar = 100 cents	³ B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		³ S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.0369	XCD 3.1549	XCD 3.1320	XCD 3.1119
V, S		EUR 1 =	XCD 3.0693	XCD 3.1886	XCD 3.1655	XCD 3.1451	
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.39587	USD 0.38705	USD 0.38202	USD 0.38114
		M	WST 1 =	EUR 0.34869	EUR 0.33054	EUR 0.32759	EUR 0.32709
Sao Tome and Principe ¹							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STD 21,626.08	STN 20.9688	STN 20.9545	STN 20.9277
		S	USD 1 =	STD 21,950.48	STN 21.2834	STN 21.2688	STN 21.2416
	STD/STN	4	EUR 1 =	STD 24,500.00	STN 24.5000	STN 24.5000	STN 24.5000
Saudi Arabia							
Riyadh 632	Saudi riyal = 100 halalah	³ B	USD 1 =	SAR 3.7440	SAR 3.7440	SAR 3.7440	SAR 3.7440
		³ S	USD 1 =	SAR 3.7540	SAR 3.7540	SAR 3.7540	SAR 3.7540
	SAR	B	EUR 1 =	SAR 4.1457	SAR 4.2669	SAR 4.2618	SAR .
S		EUR 1 =	SAR 4.4035	SAR 4.4891	SAR 4.5112	SAR .	

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

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 580.647	XOF 558.927	XOF 563.005	XOF 566.653
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Serbia							
Belgrade 098	Serbian dinar = 100 para	B	USD 1 =	RSD 107.2310	RSD 100.4489	RSD 100.9488	RSD 101.3848
		S	USD 1 =	RSD 107.8764	RSD 101.0535	RSD 101.5564	RSD 101.9950
	RSD	B	EUR 1 =	RSD 120.9447	RSD 117.7061	RSD 117.9184	RSD 118.0626
		S	EUR 1 =	RSD 121.6725	RSD 118.4145	RSD 118.6280	RSD 118.7732
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.3550	SCR 13.7843	SCR 13.7318	SCR 13.7476
		S	USD 1 =	SCR 13.8521	SCR 14.0505	SCR 14.0727	SCR 14.0861
	SCR	B	EUR 1 =	SCR 15.3492	SCR 16.0580	SCR 15.9585	SCR 16.0177
		S	EUR 1 =	SCR 15.7331	SCR 16.4484	SCR 16.4535	SCR 16.4601
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 7,318.43	SLL 7,925.85	SLL 8,254.17	SLL 8,177.84
		S	USD 1 =	SLL 7,466.27	SLL 8,085.97	SLL 8,420.92	SLL 8,343.05
	SLL	B	EUR 1 =	SLL 8,256.54	SLL 9,300.60	SLL 9,639.00	SLL 9,507.83
		S	EUR 1 =	SLL 8,419.66	SLL 9,485.58	SLL 9,832.97	SLL 9,697.94
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3783	SGD 1.3619	SGD 1.3684	SGD 1.3671
		M	EUR 1 =	SGD 1.5603	SGD 1.5944	SGD 1.5960	SGD 1.5923
Sint Maarten (southern part)							
Philipsburg 479	Netherlands Antillean guilder = 100 cents	³ B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		³ S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 202.47	ANG 209.08	ANG 207.46	ANG 206.28
		S	EUR 100 =	ANG 206.55	ANG 213.29	ANG 211.64	ANG 210.44
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1269	USD 0.1251	USD 0.1241	USD 0.1236
		M	SBD 1 =	EUR 0.1118	EUR 0.1071	EUR 0.1062	EUR 0.1057

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

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Somalia ¹							
Mogadishu 342	Somali shilling	M	USD 1 =
	SOS	M	EUR 1 =
South Africa							
Pretoria Seat of parliament: Cape Town 388	South African rand = 100 cents	B	USD 1 =	ZAR 13.1090	ZAR 12.9500	ZAR 14.5088	ZAR 13.9775
		S	USD 1 =	ZAR 13.4265	ZAR 13.2675	ZAR 14.8263	ZAR 14.2950
	ZAR	B	EUR 1 =	ZAR 14.8599	ZAR 15.1389	ZAR 16.8725	ZAR 16.1652
		S	EUR 1 =	ZAR 15.2931	ZAR 15.5738	ZAR 17.3098	ZAR 16.5989
South Sudan							
Juba 225	South Sudanese pound = 100 piastres SSP	M	USD 1 =	SSP .	SSP 142.9856	SSP 148.2888	SSP 149.5271
		M	EUR 1 =	SSP .	SSP 166.5354	SSP 173.7131	SSP 175.0739
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1736	USD 1.1651	USD 1.1576
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 150.64	LKR 157.9184	LKR 159.5446	LKR 166.9834
		S	USD 1 =	LKR 154.44	LKR 161.1150	LKR 162.7471	LKR 170.8572
	LKR	B	EUR 1 =	LKR 169.32	LKR 183.6612	LKR 184.8905	LKR 193.2234
		S	EUR 1 =	LKR 175.72	LKR 189.8923	LKR 191.1328	LKR 200.2569
Sudan							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 6.6943	SDG 17.9551	SDG 17.9551	SDG 17.9551
		S	USD 1 =	SDG 6.7277	SDG 18.0449	SDG 18.0449	SDG 18.0449
	SDG	B	EUR 1 =	SDG 7.5997	SDG 21.0333	SDG 21.0062	SDG 20.8279
		S	EUR 1 =	SDG 7.6377	SDG 21.1385	SDG 21.1112	SDG 20.9321
Suriname							
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 8.631	SRD 8.637	SRD 8.648
		S	EUR 1 =	SRD 8.549	SRD 8.766	SRD 8.772	SRD 8.783
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.4983	SEK 8.6996	SEK 9.0519	SEK 8.8048
		S	USD 1 =	SEK 8.5752	SEK 8.8046	SEK 9.1569	SEK 8.9098
	SEK	B	EUR 1 =	SEK 9.6147	SEK 10.2069	SEK 10.5797	SEK 10.2370
		S	EUR 1 =	SEK 9.6820	SEK 10.3219	SEK 10.6947	SEK 10.3520

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9845	CHF 0.9878	CHF 0.9678	CHF 0.9773
		B	EUR 1 =	CHF 1.1159	CHF 1.1584	CHF 1.1293	CHF 1.1349
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres SYP	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 505.94	SYP 506.59	SYP 503.59
		S	EUR 1 =	SYP 571.52	SYP 511.00	SYP 511.65	SYP 508.63
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 8.5691	TJS 9.4200	TJS 9.4228	TJS 9.4191
		M	EUR 1 =	TJS 9.7117	TJS 11.0157	TJS 11.0077	TJS 10.9083
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,219.2269	TZS 2,260.0297	TZS 2,263.5941	TZS 2,266.1287
		S	USD 1 =	TZS 2,241.4192	TZS 2,282.6300	TZS 2,286.2300	TZS 2,288.7900
		B	EUR 1 =	TZS 2,518.7227	TZS 2,642.6527	TZS 2,645.2360	TZS 2,646.6117
		S	EUR 1 =	TZS 2,544.4141	TZS 2,669.7640	TZS 2,672.8315	TZS 2,673.7645
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 33.7097	THB 33.1333	THB 32.5848	THB 32.2364
		S	USD 1 =	THB 34.0454	THB 33.4853	THB 32.9185	THB 32.5767
		B	EUR 1 =	THB 37.9823	THB 38.6192	THB 37.8490	THB 37.3504
		S	EUR 1 =	THB 38.7106	THB 39.3528	THB 38.5741	THB 38.0908
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 558.927	XOF 563.005	XOF 566.653
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Tonga							
Nuku'alofa 817	Pa'anga = 100 seniti TOP	M	TOP 1 =	USD 0.4536	USD 0.4417	USD 0.4378	USD 0.4391
		M	TOP 1 =	EUR 0.3994	EUR 0.3765	EUR 0.3740	EUR 0.3761
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7186	TTD 6.7269	TTD 6.7263	TTD 6.7481
		S	USD 1 =	TTD 6.7697	TTD 6.7783	TTD 6.7547	TTD 6.7564
		B	EUR 1 =	TTD 7.5960	TTD 7.8453	TTD 7.8033	TTD 7.7574
		S	EUR 1 =	TTD 8.0842	TTD 8.4030	TTD 8.3563	TTD 8.3461

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

IV. Overview of world currencies *

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.3900	TND 2.6843	TND 2.7514	TND 2.8030
			USD 1 =	TND 2.3923	TND 2.6869	TND 2.7541	TND 2.8059
	TND	B S	EUR 1 =	TND 2.7074	TND 3.1501	TND 3.2056	TND 3.2479
			EUR 1 =	TND 2.7101	TND 3.1533	TND 3.2089	TND 3.2512
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 3.6476	TRY 4.8850	TRY 6.4063	TRY 6.0752
			USD 1 =	TRY 3.6542	TRY 4.8938	TRY 6.4178	TRY 6.0862
	TRY	B S	EUR 1 =	TRY 4.1462	TRY 5.7034	TRY 7.4735	TRY 7.1130
			EUR 1 =	TRY 4.1536	TRY 5.7137	TRY 7.4869	TRY 7.1258
Turkmenistan ¹							
Ashgabat 080	Turkmen manat = 100 tenge TMT	2	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 3.9611	TMT 4.0891	TMT 4.0908	TMT 4.0600
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,608.23	UGX 3,698.75	UGX 3,753.75	UGX 3,815.67
			USD 1 =	UGX 3,618.23	UGX 3,708.75	UGX 3,763.75	UGX 3,825.67
	UGX	B S	EUR 1 =	UGX 4,100.48	UGX 4,310.40	UGX 4,388.81	UGX 4,483.22
			EUR 1 =	UGX 4,111.84	UGX 4,322.05	UGX 4,400.50	UGX 4,494.97
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok UAH	M	USD 100 =	UAH 2,659.3613	UAH 2,675.5214	UAH 2,827.9437	UAH 2,829.8262
		M	EUR 100 =	UAH 3,005.3131	UAH 3,126.0792	UAH 3,306.4318	UAH 3,312.8775
United Arab Emirates ¹							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils AED	2	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
		V, M	EUR 1 =	AED 4.1758	AED 4.3100	AED 4.2788	AED 4.2513
United Kingdom ¹							
London 006	Pound sterling = 100 pence GBP	M	GBP 1 =	USD 1.2889	USD 1.3117	USD 1.2994	USD 1.3041
		M	EUR 1 =	GBP 0.8752	GBP 0.8920	GBP 0.8953	GBP 0.8907
United States							
Washington 400	US dollar = 100 cents USD	M	EUR 1 =	USD 1.13912	USD 1.1691	USD 1.1599	USD 1.1608
		M	GBP 1 =	USD 1.28919	USD 1.3124	USD 1.2961	USD 1.3028

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

IV. Overview of world currencies *

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

Country ¹ Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2017	Rate at end of month		
					July 2018	August 2018	September 2018
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 28.654	UYU 30.553	UYU 32.339	UYU 33.214
		M	EUR 1 =	UYU 32.4147	UYU 35.7363	UYU 37.5278	UYU 38.5631
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 5,178.37	UZS 7,791.88	UZS 7,827.23	UZS 8,079.28
		M	EUR 1 =	UZS 5,929.90	UZS 9,082.22	UZS 9,096.02	UZS 9,492.35
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 107.34	VUV 108.75	VUV 110.02	VUV 110.50
		S	USD 1 =	VUV 113.30	VUV 116.00	VUV 117.35	VUV 117.85
		B	EUR 1 =	VUV 122.09	VUV 128.44	VUV 129.47	VUV 129.68
		S	EUR 1 =	VUV 126.89	VUV 133.78	VUV 134.84	VUV 135.06
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar/Bolívar Soberano = 100 céntimos VEF/VES	B	USD 1 =	VEF 3,011.2031 ²	VEF 172,368.00	VES 60.93728	VES 62.01458
		S	USD 1 =	VEF 3,018.7500 ²	VEF 172,800.00	VES 61.09000	VES 62.17000
		B	EUR 1 =	VEF 3,538.5111 ²	VEF 201,549.90	VES 70.67505	VES 72.09194
		S	EUR 1 =	VEF 3,548.2131 ²	VEF 202,072.32	VES 70.85829	VES 72.28506
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 22,683	VND 23,245	VND 23,260	VND 23,290
		S	USD 1 =	VND 22,753	VND 23,325	VND 23,340	VND 23,370
		B	EUR 1 =	VND 25,686.74	VND 27,127.26	VND 27,041.43	VND 27,024.04
		S	EUR 1 =	VND 26,004.35	VND 27,393.81	VND 27,307.22	VND 27,295.49
Yemen							
Sana'a 653	Yemeni rial = 100 fils YER	B	USD 1 =	YER 250.00	YER 250.00	YER 250.00	YER 250.00
		S	USD 1 =	YER 250.50	YER 250.50	YER 250.50	YER 250.50
		B	EUR 1 =	YER 283.80	YER 292.88	YER 292.40	YER 290.24
		S	EUR 1 =	YER 284.37	YER 293.46	YER 292.98	YER 290.82
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 9.5295	ZMW 9.9393	ZMW 10.2549	ZMW 12.2638
		S	USD 1 =	ZMW 9.5789	ZMW 9.9893	ZMW 10.3049	ZMW 12.3138
		B	EUR 1 =	ZMW 10.8184	ZMW 11.6448	ZMW 11.9429	ZMW 14.1941
		S	EUR 1 =	ZMW 10.8767	ZMW 11.7084	ZMW 12.0052	ZMW 14.2569

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 Average from May to December 2017.

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

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

SDR 1 ¹ = CU ...

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
1999	1.37251	1.36467	11.3508	140.111	0.848150	1.98094	2.19297	10.1549	11.0218	11.6873
2000	1.30291	1.40022	10.7847	149.704	0.873149	1.95462	2.13221	10.4500	11.5288	12.4232
2001	1.25673	1.42474	10.3925	165.491	0.866469	2.00147	2.10605	10.5685	11.3251	13.3943
2002	1.35952	1.29639	11.2123	162.414	0.843483	2.14750	1.88539	9.62844	9.47006	11.9542
2003	1.48597	1.17654	12.2989	158.575	0.832619	1.92047	1.83800	8.82099	9.91886	10.7715
2004	1.55301	1.14016	12.8107	161.161	0.804085	1.86920	1.75738	8.46296	9.37796	10.2351
2005	1.42927	1.21155	11.5345	168.610	0.830055	1.66418	1.87848	9.03881	9.67427	11.3363
2006	1.50440	1.14229	11.7474	178.948	0.766377	1.75308	1.83582	8.51702	9.41017	10.3390
2007	1.58025	1.07346	11.5302	179.947	0.788780	1.56144	1.77857	8.02021	8.55074	10.2088
2008	1.54027	1.10675	10.5271	140.464	1.056570	1.88621	1.63839	8.18003	10.7802	12.0833
2009	1.56769	1.08822	10.7045	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070
2010	1.54003	1.15966	10.1995	125.436	0.997755	1.54142	1.44702	8.64469	9.06742	10.4761
2011	1.53527	1.18654	9.67352	119.321	0.992989	1.56254	1.44453	8.82099	9.20039	10.6293
2012	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.7693	11.3176
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2014 July	1.53131	1.14456	9.44430	157.388	0.907013	1.66759	1.39226	8.53424	9.62001	10.5544
Aug.	1.51838	1.15134	9.36040	157.472	0.915131	1.64866	1.38856	8.57979	9.37937	10.5872
Sep.	1.48258	1.17824	9.12159	162.150	0.916305	1.66168	1.42046	8.76978	9.56627	10.7314
Oct.	1.47833	1.18040	9.08595	163.459	0.923728	1.66681	1.41757	8.78735	10.0216	10.8662
Nov.	1.46424	1.17374	8.98368	172.546	0.929973	1.64522	1.41446	8.73218	9.98841	10.8774
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
Feb.	1.40739	1.25213	8.65194	167.846	0.912176	1.76037	1.33534	9.34833	10.7357	11.7788
Mar.	1.37949	1.28217	8.47314	165.691	0.932088	1.74961	1.34197	9.57735	11.1594	11.8956
Apr.	1.40642	1.25405	8.59838	166.674	0.911718	1.70444	1.31598	9.35918	10.5145	11.6984
May	1.39050	1.26755	8.50933	172.075	0.911926	1.73326	1.30944	9.45555	10.8198	11.7894
June	1.40639	1.25694	8.59816	172.213	0.894767	1.75433	1.30823	9.37726	11.0497	11.5871
July	1.39470	1.27172	8.53170	172.901	0.895528	1.81966	1.34212	9.48902	11.4474	12.0354
Aug.	1.40380	1.25172	8.96933	170.141	0.914997	1.85624	1.35382	9.34143	11.7142	11.8760
Sep.	1.40374	1.25300	8.92961	168.378	0.923574	1.88016	1.36640	9.34719	11.9341	11.7748
Oct.	1.39687	1.26793	8.86942	168.840	0.910075	1.82753	1.38137	9.45600	11.9096	11.8987
Nov.	1.37217	1.29707	8.77855	168.502	0.914411	1.82951	1.41484	9.67661	11.9245	11.9797
Dec.	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016 Jan.	1.38050	1.26419	9.07853	167.040	0.965111	1.94374	1.40783	9.43450	11.9902	11.7571
Feb.	1.38131	1.26866	9.04429	156.641	0.997049	1.86795	1.38394	9.46450	12.0578	11.7931
Mar.	1.40882	1.23744	9.11129	158.675	0.978139	1.82738	1.35529	9.22041	11.6498	11.4779
Apr.	1.41733	1.24294	9.19084	158.372	0.969847	1.77861	1.36390	9.25249	11.4537	11.3943
May	1.40288	1.25774	9.23753	155.846	0.959693	1.83777	1.38913	9.35454	11.7220	11.6901
June	1.39884	1.25999	9.29463	143.941	1.03710	1.81976	1.36527	9.37348	11.7190	11.8640
July	1.39338	1.25383	9.27042	144.912	1.05743	1.81711	1.35799	9.32523	11.9229	12.0072
Aug.	1.39434	1.25255	9.31255	143.561	1.06131	1.82993	1.37245	9.32297	11.6193	11.9107
Sep.	1.39581	1.25062	9.31064	141.089	1.07693	1.83089	1.35980	9.31871	11.2387	12.0301
Oct.	1.37385	1.25511	9.30085	143.979	1.12879	1.84137	1.35874	9.33724	11.3393	12.3613
Nov.	1.35376	1.27293	9.32175	152.149	1.08718	1.81756	1.37312	9.47104	11.4806	12.4014
Dec.	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017 Jan.	1.35883	1.26344	9.34798	154.363	1.09042	1.77055	1.34918	9.39655	11.2295	11.9779
Feb.	1.35389	1.27762	9.30016	152.381	1.08834	1.79364	1.36080	9.49677	11.3315	12.2395
Mar.	1.35685	1.26915	9.35008	152.035	1.08962	1.80596	1.35820	9.43984	11.6359	12.1213
Apr.	1.37102	1.25437	9.45689	152.526	1.05940	1.87309	1.35759	9.33036	11.6961	12.1179
May	1.38432	1.23369	9.45340	153.590	1.07826	1.86883	1.34417	9.17835	11.6445	12.0657
June	1.39139	1.21923	9.43637	155.752	1.07207	1.80560	1.33406	9.06701	11.6696	11.7837
July	1.40775	1.20043	9.46925	155.627	1.07265	1.75757	1.36692	8.92698	11.1701	11.4494
Aug.	1.41339	1.19526	9.32227	156.179	1.09769	1.77182	1.36463	8.89079	11.0907	11.2683
Sep.	1.41330	1.19710	9.39576	159.222	1.05596	1.76379	1.37005	8.90916	11.2676	11.4598
Oct.	1.40469	1.20698	9.31099	158.940	1.06263	1.81106	1.40216	8.98142	11.4951	11.7369
Nov.	1.41542	1.19455	9.35209	158.527	1.05279	1.82419	1.39631	8.88936	11.7541	11.8326
Dec.	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018 Jan.	1.45712	1.16972	9.17406	158.593	1.02897	1.79124	1.35950	8.70496	11.1849	11.4288
Feb.	1.44589	1.18379	9.15466	155.173	1.04457	1.85204	1.36405	8.81516	11.3826	11.9372
Mar.	1.45386	1.17983	9.12359	154.386	1.03379	1.87436	1.39087	8.76017	11.3360	12.1521
Apr.	1.43806	1.19055	9.11835	157.195	1.04777	1.84590	1.42282	8.86965	11.5031	12.4786
May	1.41665	1.21092	9.06939	153.933	1.06307	1.83428	1.39710	9.01356	11.5491	12.4505
June	1.40657	1.20653	9.31828	155.356	1.07049	1.85217	1.39764	8.99167	11.4759	12.6027
July	1.40487	1.19706	9.59647	155.898	1.06728	1.82872	1.38822	8.91798	11.4126	12.2955
Aug.	1.40139	1.20280	9.57341	155.554	1.07754	1.82016	1.35409	8.96789	11.6851	12.7588
Sep.	1.39525	1.20530	9.60126	158.319	1.06990	1.82898	1.36232	8.98723	11.4099	12.3582

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 July	2	1.40571	1.20776	9.35655	156.034	1.06784	.	1.39545	8.99823	11.4755	12.6373
	3	1.40638	1.20564	9.37163	156.108	1.06649	1.84995	1.39709	8.98271	11.4119	12.5456
	5	1.40886	1.20323	9.35708	155.510	1.06373	1.84970	1.39823	8.96491	11.3597	12.3225
	6	1.40934	1.20210	9.37295	156.014	1.06482	1.84694	1.39926	8.95905	11.3508	12.3498
	9	1.41378	1.19924	9.35935	156.195	1.06036	1.85163	1.39660	8.93839	11.2989	12.3053
	10	1.40883	1.20279	9.32210	156.366	1.06467	1.84909	1.40206	8.96507	11.3237	12.3029
	11	1.40803	1.19985	9.36830	156.122	1.06306	1.85169	1.40035	8.94374	11.3336	12.3614
	12	1.40462	1.20486	9.36645	157.711	1.06427	1.84932	1.40273	8.98271	11.3790	12.3677
	13	1.40199	1.20415	9.36654	158.004	1.06798	1.84656	1.41026	8.97747	11.4189	12.4811
	16	1.40769	1.20110	9.42143	.	1.06017	1.84928	1.40551	8.95407	11.3853	12.4707
	17	1.40688	1.20174	9.39373	158.120	1.06260	1.85525	1.39914	8.95776	11.4015	12.3872
	18	1.39979	1.20557	9.39426	158.107	1.07424	1.84829	1.39993	8.98683	11.4558	12.4152
	19	1.39743	1.20593	9.44805	157.561	1.07611	1.85230	1.40044	8.98868	11.5484	12.4354
	20	1.40023	1.19986	9.49623	157.638	1.07429	.	1.39750	8.94134	11.5072	12.4824
	23	1.40519	1.19938	9.52689	155.864	1.06911	1.84867	1.39367	8.93647	11.4580	12.4214
	24	1.40500	1.20024	9.57130	156.306	1.06970	1.84856	1.39481	8.94222	11.4749	12.4466
	25	1.40518	1.20204	9.53234	156.369	1.06773	1.83910	1.39380	8.95680	11.4777	12.3809
	26	1.40588	1.19997	9.52853	155.645	1.06704	1.83678	1.39590	8.94182	11.4543	12.3051
	27	1.40054	1.20476	9.54299	155.628	1.06923	1.82938	1.39647	8.97545	11.4883	12.3355
	30	1.40326	1.20101	9.57671	155.819	1.07034	1.82719	1.39281	8.94662	11.4445	12.3399
	31	1.40487	1.19706	9.59647	155.898	1.06728	1.82872	1.38822	8.91798	11.4126	12.2955
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	8.99909	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	.
	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

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 ¹
	US dollar	Euro	Exchange rate anchor Composite	Other			
No separate legal tender	Ecuador El Salvador Marshall Islands Micronesia, Federated States of Palau Panama Timor-Leste	Kosovo Montenegro San Marino		Kiribati Nauru ² Tuvalu			
Currency board	Djibouti Hong Kong ECCU ³ Antigua and Barbuda Dominica Grenada Saint Kitts and Nevis Saint Lucia Saint Vincent and the Grenadines	Bosnia and Herzegovina Bulgaria		Brunei Darussalam			
Conventional peg	Aruba Bahamas Bahrain Barbados Belize Curaçao and Sint Maarten (southern part) Eritrea Iraq Jordan Oman Qatar Saudi Arabia Turkmenistan United Arab Emirates	Cabo Verde Comoros Denmark ⁵ Sao Tome and Principe WAEMU ⁶ Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC ⁷ Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Libya Morocco	Bhutan Eswatini Lesotho Namibia Nepal			Samoa ⁴ Solomon Islands ⁴
Stabilised arrangement	Angola Guyana Lebanon Maldives Trinidad and Tobago ^{11,12}	Croatia Macedonia, former Yugoslav Republic of	Singapore Viet Nam ⁸		Bangladesh ⁸ Bolivia, Plurinational State of ⁸ China ^{4,11,12} Malawi ⁸ Nigeria ⁸ Papua New Guinea ⁸ Tajikistan ⁸ Tanzania, United Republic of ⁸ Yemen ⁸	Czechia ⁹ Serbia ⁹	Kenya ^{8,10,11} Lao People's Democratic Republic ⁸ Pakistan ^{8,11} Sudan ⁸
Crawling peg	Honduras Nicaragua		Botswana				
Crawl-like arrangement			Iran, Islamic Republic of ⁸		Burundi ⁸ Ethiopia ⁸ Rwanda ^{8,11} Uzbekistan ⁸	Dominican Republic ⁸	Costa Rica ^{8,10} Jamaica ^{8,10} Mauritania ^{8,11} Sri Lanka ^{8,10}

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 ¹
	Exchange rate target				Other			
	US dollar	Euro	Exchange rate anchor Composite	Other				
Pegged exchange rate within horizontal bands								Tonga ⁴
Other managed arrangement	Cambodia Liberia Zimbabwe		Syrian Arab Republic			Algeria Belarus Congo, Democratic Republic of the ⁸ Gambia Guinea Myanmar Sierra Leone ¹¹ Suriname		Azerbaijan Haiti Kyrgyzstan South Sudan Vanuatu Venezuela, Bolivarian Republic of
Floating						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 ¹⁰ Mozambique ¹⁰ Switzerland Tunisia ¹⁰ Zambia
Free floating							Australia Canada Chile Japan Mexico Norway Poland Russian Federation Sweden United Kingdom	Somalia ¹³ United States Euro area 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. ¹ Includes countries that have no explicitly stated nominal anchor, but rather monitor various indicators in conducting monetary policy. ² IMF member since 12 April 2016. ³ The members participate in the Eastern Caribbean Currency Union. ⁴ The country maintains a de facto exchange rate anchor to a composite. ⁵ The member participates in ERM II. ⁶ The members participate in the West African Economic and Monetary Union. ⁷ The members participate in the Central African Economic and Monetary Community. ⁸ The

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

VII. ISO currency codes *

As of end-September 2018

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

* Extracted and compiled from ISO communications. ¹ See Explanatory notes on individual countries, pp. 57 ff.

■ Explanatory notes

■ Euro foreign exchange reference rates of the European Central Bank

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

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

Since 4 January 1999, the ECB has published euro foreign exchange reference rates for selected currencies each working day. These rates are calculated on the basis of the daily concertation between central banks which takes place at 14:15 CET. Only one reference rate, i. e. the middle rate, is established by this procedure. The ECB changed the publication time of the euro foreign exchange reference rates from around 14:30 CET to around 16:00 CET with effect from 1 July 2016.

■ Effective exchange rates of the euro

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

The table entitled "Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro" on

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

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

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

■ Indicators of the German economy's price competitiveness

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

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

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

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

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

Figures in %

As of August 2017

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

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

■ Overview of world currencies

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

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

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

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

■ Value of the special drawing right

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

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

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

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

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

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

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

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

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

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

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

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

Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 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 legal 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 is intended merely as a guideline.

– End of June/beginning of July to beginning of August 2018:

Central bank rate (see page 29)

For imports of basic goods (e.g. rice), services, travel and students abroad.

Rate for strategic products

For goods imported by order of the government, including imports of animal feed and soy. This exchange rate was 38,000 rials to the US dollar.

Market rate

Exchange rate freely negotiated between importers and exporters (mainly firms in the oil, gas, condensates and

petrochemical products sectors). At end-July 2018, this exchange rate stood at approximately 110,020 rials to the US dollar and approximately 128,200 rials to the euro.

– Since 6 August 2018:

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 bureaus. On 7 October 2018, this exchange rate stood at 77,063.50 rials to the US dollar and 97,223.50 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-September 2018, this exchange rate stood at approximately 176,000 rials to the US dollar and 198,270 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 September 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 legal tender.

Somalia

No exchange rates are available for the Somali shilling.

Togo

See Explanatory notes on Benin.

Turkmenistan

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

United Arab Emirates

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

United Kingdom

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

Venezuela, Bolivarian Republic of

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

As part of the currency changeover, the bolívar soberano was devalued. We recorded the following exchange rates (buying/selling):

17 August 2018

USD 1 = VEF 248,209.92 / 248,832.00

EUR 1 = VEF 283,976.969472 / 284,738.457600

20 August 2018

USD 1 = VES 59.85 / 60.00

EUR 1 = VES 68.474385 / 68.658000

Calculated using these exchange rates and taking into consideration the conversion rate, the bolívar soberano

experienced a devaluation of 95.9% against the euro and the US dollar.

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 100 bolívar soberano at the beginning of October 2018.