



Exchange rate statistics December 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	Data unknown, not to be published or not meaningful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 Sep.	3	1.9558	7.4328	25.749	7.4536	326.58	4.2952	4.6338	10.5806
	4	1.9558	7.4303	25.728	7.4546	327.51	4.3046	4.6328	10.5645
	5	1.9558	7.4300	25.746	7.4559	327.81	4.3249	4.6378	10.5408
	6	1.9558	7.4341	25.715	7.4567	326.49	4.3183	4.6385	10.5908
	7	1.9558	7.4253	25.697	7.4580	324.65	4.3081	4.6413	10.5163
	10	1.9558	7.4203	25.648	7.4579	325.08	4.3169	4.6308	10.4683
	11	1.9558	7.4205	25.646	7.4595	324.77	4.3094	4.6323	10.4850
	12	1.9558	7.4350	25.590	7.4594	325.73	4.3099	4.6380	10.4740
	13	1.9558	7.4360	25.520	7.4596	325.11	4.3098	4.6388	10.4460
	14	1.9558	7.4333	25.473	7.4596	323.63	4.3049	4.6467	10.5460
	17	1.9558	7.4298	25.457	7.4594	324.50	4.2955	4.6431	10.4527
	18	1.9558	7.4295	25.448	7.4602	323.82	4.3008	4.6492	10.4179
	19	1.9558	7.4285	25.434	7.4597	323.39	4.2951	4.6523	10.3878
	20	1.9558	7.4265	25.560	7.4592	323.75	4.2925	4.6545	10.3350
	21	1.9558	7.4278	25.585	7.4597	324.05	4.2946	4.6581	10.3315
	24	1.9558	7.4265	25.615	7.4597	323.49	4.3009	4.6579	10.3563
	25	1.9558	7.4285	25.613	7.4597	324.08	4.2930	4.6618	10.3515
	26	1.9558	7.4275	25.605	7.4584	323.85	4.2826	4.6611	10.3763
	27	1.9558	7.4318	25.715	7.4591	323.70	4.2779	4.6701	10.3208
	28	1.9558	7.4346	25.731	7.4564	324.37	4.2774	4.6638	10.3090
Oct.	1	1.9558	7.4330	25.765	7.4557	323.04	4.2796	4.6605	10.3300
	2	1.9558	7.4316	25.788	7.4561	323.47	4.2907	4.6671	10.3815
	3	1.9558	7.4270	25.779	7.4567	322.87	4.2956	4.6648	10.3795
	4	1.9558	7.4240	25.780	7.4567	324.43	4.3071	4.6723	10.4015
	5	1.9558	7.4225	25.742	7.4589	324.59	4.3045	4.6708	10.4438
	8	1.9558	7.4225	25.737	7.4599	324.94	4.3081	4.6675	10.4463
	9	1.9558	7.4200	25.805	7.4592	325.29	4.3155	4.6675	10.4445
	10	1.9558	7.4100	25.807	7.4601	325.05	4.3096	4.6640	10.4800
	11	1.9558	7.4170	25.848	7.4603	324.97	4.3167	4.6673	10.4120
	12	1.9558	7.4115	25.777	7.4602	324.15	4.2936	4.6613	10.3593
	15	1.9558	7.4135	25.798	7.4609	323.45	4.2942	4.6673	10.3920
	16	1.9558	7.4168	25.821	7.4609	322.06	4.2890	4.6680	10.3165
	17	1.9558	7.4165	25.843	7.4604	322.55	4.2940	4.6658	10.3148
	18	1.9558	7.4210	25.863	7.4606	322.42	4.2989	4.6683	10.3330
	19	1.9558	7.4295	25.867	7.4606	323.20	4.3017	4.6665	10.3358
	22	1.9558	7.4325	25.848	7.4603	323.12	4.2905	4.6669	10.3310
	23	1.9558	7.4275	25.814	7.4603	322.81	4.2960	4.6670	10.3606
	24	1.9558	7.4273	25.833	7.4604	323.22	4.3053	4.6590	10.3590
	25	1.9558	7.4319	25.831	7.4610	323.91	4.3094	4.6647	10.3930
	26	1.9558	7.4325	25.860	7.4607	324.41	4.3177	4.6606	10.4025
	29	1.9558	7.4316	25.849	7.4614	324.40	4.3182	4.6647	10.3910
	30	1.9558	7.4315	25.870	7.4614	324.95	4.3307	4.6670	10.4200
	31	1.9558	7.4325	25.922	7.4614	325.10	4.3392	4.6643	10.4015
Nov.	1	1.9558	7.4360	25.879	7.4604	322.96	4.3269	4.6640	10.3158
	2	1.9558	7.4393	25.782	7.4603	321.62	4.3202	4.6612	10.3123
	5	1.9558	7.4383	25.846	7.4596	322.44	4.3126	4.6608	10.3268
	6	1.9558	7.4383	25.833	7.4593	322.06	4.3088	4.6647	10.3470
	7	1.9558	7.4338	25.880	7.4598	321.76	4.2940	4.6621	10.3313
	8	1.9558	7.4315	25.887	7.4597	321.44	4.2915	4.6602	10.2528
	9	1.9558	7.4300	25.936	7.4594	321.31	4.2880	4.6570	10.2648
	12	1.9558	7.4270	25.942	7.4597	321.72	4.2968	4.6575	10.2705
	13	1.9558	7.4238	25.939	7.4613	322.89	4.2992	4.6612	10.2284
	14	1.9558	7.4230	25.994	7.4621	322.68	4.2911	4.6601	10.2685
	15	1.9558	7.4270	25.985	7.4622	321.99	4.2933	4.6650	10.2553
	16	1.9558	7.4280	25.985	7.4618	321.93	4.3154	4.6648	10.2620
	19	1.9558	7.4253	26.013	7.4625	321.65	4.3293	4.6666	10.2815
	20	1.9558	7.4277	26.032	7.4627	321.25	4.3177	4.6673	10.3133
	21	1.9558	7.4318	26.002	7.4617	321.63	4.2995	4.6632	10.3143
	22	1.9558	7.4285	25.990	7.4616	321.52	4.3004	4.6593	10.3035
	23	1.9558	7.4324	25.954	7.4618	322.03	4.2949	4.6577	10.3043
	26	1.9558	7.4305	25.918	7.4612	322.90	4.2920	4.6588	10.2930
	27	1.9558	7.4275	25.914	7.4617	324.06	4.2902	4.6583	10.2823
	28	1.9558	7.4159	25.931	7.4616	324.37	4.2953	4.6590	10.2544
	29	1.9558	7.4160	25.967	7.4622	323.42	4.2916	4.6531	10.3170
	30	1.9558	7.4055	25.957	7.4622	323.62	4.2900	4.6598	10.3195
Dec.	3	1.9558	7.4038	25.921	7.4622	322.76	4.2809	4.6539	10.2355
	4	1.9558	7.4015	25.901	7.4626	323.20	4.2823	4.6514	10.2293
	5	1.9558	7.3990	25.886	7.4630	323.49	4.2826	4.6528	10.1753
	6	1.9558	7.3965	25.890	7.4635	323.75	4.2881	4.6548	10.2355
	7	1.9558	7.3913	25.851	7.4641	323.50	4.2895	4.6485	10.2665
	10	1.9558	7.3870	25.866	7.4639	323.15	4.2921	4.6502	10.3330

* 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	
0.90158	1.6109	4.7859	1.5175	7.9219	9.1129	125.10	82.6735	2018 Sep. 3	
0.90058	1.6091	4.8358	1.5234	7.9079	9.0758	126.10	82.7665	4	
0.90328	1.6144	4.8364	1.5263	7.9128	9.0913	127.00	83.1035	5	
0.89824	1.6164	4.7918	1.5338	7.9451	9.1324	127.80	83.7175	6	
0.89275	1.6219	4.7150	1.5238	7.9476	9.1175	129.50	83.3200	7	
0.89340	1.6257	4.7135	1.5268	7.9413	9.0831	129.50	83.8375	10	
0.89068	1.6310	4.8011	1.5231	7.9499	9.0850	131.50	84.0965	11	
0.89028	1.6268	4.7859	1.5137	7.9588	9.0934	132.10	83.6705	12	
0.89000	1.6167	4.8214	1.5112	7.9542	9.1204	131.10	83.7000	13	
0.89228	1.6260	4.8921	1.5206	8.0120	9.1725	128.60	83.9460	14	
0.88875	1.6258	4.8942	1.5193	8.0139	9.1579	127.80	84.6355	17	
0.88963	1.6244	4.8481	1.5237	8.0317	9.1755	127.60	85.3610	18	
0.88813	1.6109	4.8582	1.5136	7.9983	9.1515	128.40	84.4515	19	
0.88590	1.6158	4.8390	1.5174	8.0559	9.2313	129.60	84.7510	20	
0.89400	1.6154	4.7920	1.5197	8.0503	9.1840	129.40	84.8905	21	
0.89458	1.6187	4.7822	1.5231	8.0729	9.1941	129.80	85.5665	24	
0.89425	1.6234	4.8532	1.5262	8.0958	9.1974	130.70	85.6125	25	
0.89080	1.6202	4.7985	1.5214	8.0685	9.1676	128.90	85.2190	26	
0.88973	1.6200	4.7290	1.5301	8.0550	9.1478	128.70	84.9830	27	
0.88730	1.6048	4.6535	1.5064	7.9662	9.0579	128.70	83.9160	28	
0.89078	1.6070	4.6869	1.4867	7.9720	9.0848	129.30	84.6215	Oct. 1	
0.89043	1.6081	4.6002	1.4795	7.9287	9.0442	129.70	84.7000	2	
0.88895	1.6146	4.4737	1.4820	7.9321	9.0498	130.90	84.7170	3	
0.88580	1.6234	4.5116	1.4800	7.9006	9.0114	130.90	84.6280	4	
0.88165	1.6270	4.4216	1.4862	7.9033	9.0137	131.10	84.8835	5	
0.88010	1.6242	4.3093	1.4915	7.9502	8.9874	131.60	85.0080	8	
0.87680	1.6203	4.3112	1.4861	7.9185	8.9590	132.00	85.0840	9	
0.87448	1.6206	4.2893	1.4907	7.9621	9.0126	133.60	85.3605	10	
0.87490	1.6314	4.3270	1.5102	7.9982	9.0723	134.40	85.7615	11	
0.87640	1.6236	4.3784	1.5054	8.0043	9.0696	134.40	85.1445	12	
0.88045	1.6231	4.3498	1.5085	8.0135	9.0767	134.60	85.4735	15	
0.87593	1.6243	4.3017	1.5010	8.0095	9.0806	135.80	85.1200	16	
0.87945	1.6190	4.3090	1.4957	7.9887	9.0373	137.20	84.8915	17	
0.87843	1.6119	4.2453	1.5009	7.9835	9.0192	136.80	84.6850	18	
0.88020	1.6065	4.2362	1.4947	7.9489	8.9915	134.50	84.1230	19	
0.88425	1.6185	4.2590	1.5044	7.9801	9.0107	135.20	84.5460	22	
0.88103	1.6243	4.2412	1.5047	7.9613	8.9990	136.30	84.4435	23	
0.88233	1.6067	4.2198	1.4900	7.9090	8.9308	137.30	83.3255	24	
0.88533	1.6095	4.2357	1.4893	7.9276	8.9502	137.10	83.6525	25	
0.88680	1.6142	4.2125	1.4916	7.8801	8.8950	137.10	83.3400	26	
0.88788	1.6061	4.1231	1.4917	7.9195	8.9270	137.50	83.5595	29	
0.89148	1.6025	4.2282	1.4941	7.9203	8.9229	137.70	83.7280	30	
0.88873	1.5972	4.1943	1.4856	7.8935	8.8787	137.70	83.7305	31	
0.88173	1.5857	4.2078	1.4904	7.9046	8.9293	137.90	83.6800	Nov. 1	
0.87870	1.5840	4.2205	1.4956	7.8712	8.9391	138.10	82.7085	2	
0.87535	1.5803	4.2253	1.4887	7.8780	8.9047	137.90	83.0920	5	
0.87313	1.5789	4.2833	1.4996	7.9015	8.9510	137.90	83.3785	6	
0.87403	1.5750	4.3061	1.5019	7.9426	8.9935	138.10	83.2800	7	
0.87163	1.5668	4.2622	1.4972	7.9192	8.9414	138.30	82.7195	8	
0.87053	1.5663	4.2540	1.4969	7.8852	8.8843	138.50	82.2640	9	
0.87563	1.5623	4.2217	1.4873	7.8447	8.8242	138.50	82.1106	12	
0.86945	1.5628	4.2479	1.4888	7.8354	8.8161	139.40	81.8390	13	
0.87048	1.5657	4.2901	1.4937	7.8543	8.8473	140.20	81.6740	14	
0.88370	1.5564	4.2772	1.4949	7.8448	8.8558	140.40	81.3700	15	
0.88350	1.5623	4.2666	1.4955	7.8859	8.8868	140.20	81.5735	16	
0.89083	1.5660	4.2907	1.5055	7.9349	8.9491	140.80	81.8825	19	
0.88908	1.5712	4.2919	1.5071	7.9299	8.9445	140.80	81.6500	20	
0.89108	1.5725	4.3262	1.5144	7.9121	8.9361	141.20	81.3520	21	
0.88598	1.5721	4.3368	1.5074	7.9052	8.9299	141.20	80.6045	22	
0.88480	1.5708	4.3205	1.5019	7.8866	8.8837	140.40	80.2040	23	
0.88440	1.5664	4.3808	1.5011	7.8869	8.8906	141.00	80.5385	26	
0.88748	1.5631	4.4011	1.5018	7.8708	8.8679	141.00	80.1620	27	
0.88245	1.5595	4.3579	1.5036	7.8464	8.8328	141.60	79.6430	28	
0.89135	1.5525	4.3867	1.5117	7.9063	8.9078	142.30	79.5370	29	
0.89068	1.5565	4.3843	1.5116	7.8897	8.8851	139.40	79.0815	30	
0.89150	1.5354	4.3367	1.4931	7.8074	8.8615	139.40	79.7910	Dec. 3	
0.89058	1.5451	4.3642	1.5031	7.7986	8.9071	139.60	80.4720	4	
0.88885	1.5569	4.3692	1.5076	7.7848	8.8695	139.40	80.0660	5	
0.88930	1.5745	4.4370	1.5229	7.8239	8.8669	138.40	80.4950	6	
0.89085	1.5766	4.4358	1.5230	7.8244	8.8866	139.50	80.5090	7	
0.90245	1.5842	4.4524	1.5218	7.8967	8.9283	140.00	82.7284	10	

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 Sep.	3	17,290.44	4.1992	129.03	1,291.04	4.7908	22.3082	1.7565	9.7020	
	4	17,268.00	4.1890	128.60	1,292.13	4.7861	22.4548	1.7649	9.7170	
	5	17,297.72	4.1894	129.17	1,299.75	4.8088	22.6600	1.7637	9.7485	
	6	17,323.54	4.1706	129.55	1,304.76	4.8120	22.3653	1.7633	9.7760	
	7	17,213.43	4.1637	128.74	1,304.07	4.8165	22.2326	1.7647	9.7745	
	10	17,187.56	4.1500	128.54	1,306.49	4.8021	22.3173	1.7706	9.7030	
	11	17,210.54	4.1470	128.82	1,306.14	4.8044	22.3500	1.7773	9.6790	
	12	17,174.76	4.1524	129.13	1,307.37	4.8037	22.1760	1.7772	9.6328	
	13	17,199.92	4.1552	129.68	1,302.88	4.8159	22.0335	1.7743	9.5730	
	14	17,305.56	4.1698	130.75	1,307.93	4.8375	21.9805	1.7778	9.6245	
	17	17,351.27	4.1866	130.79	1,312.95	4.8300	21.9710	1.7742	9.5620	
	18	17,379.40	4.1891	131.21	1,315.11	4.8455	22.0671	1.7752	9.5473	
	19	17,355.00	4.1775	130.94	1,308.76	4.8336	21.8681	1.7684	9.5470	
	20	17,471.00	4.2052	131.98	1,316.62	4.8694	22.0233	1.7643	9.5885	
	21	17,424.92	4.2043	132.44	1,312.42	4.8565	22.2132	1.7606	9.5793	
	24	17,512.34	4.2079	132.56	1,315.12	4.8611	22.1852	1.7651	9.5693	
	25	17,571.00	4.2159	132.78	1,316.95	4.8672	22.3696	1.7696	9.5713	
	26	17,532.20	4.2117	132.61	1,309.19	4.8603	22.3375	1.7668	9.5465	
	27	17,450.33	4.2188	132.15	1,301.82	4.8398	22.0889	1.7638	9.5015	
	28	17,249.98	4.2118	131.23	1,285.75	4.7890	21.7800	1.7505	9.4665	
	Oct.	1	17,304.55	4.2251	132.25	1,290.16	4.8049	21.5632	1.7572	9.4465
		2	17,366.44	4.2098	131.46	1,290.52	4.7805	21.6631	1.7523	9.4393
		3	17,401.61	4.2007	131.47	1,293.30	4.7809	21.6818	1.7617	9.4443
		4	17,448.53	4.1862	131.31	1,298.27	4.7699	21.9097	1.7706	9.4643
		5	17,466.11	4.1782	131.03	1,298.24	4.7750	21.8800	1.7784	9.5133
		8	17,466.65	4.1605	130.11	1,304.77	4.7685	21.6360	1.7795	9.5083
		9	17,486.00	4.1617	129.45	1,301.02	4.7541	21.7228	1.7784	9.4915
		10	17,483.45	4.1707	130.23	1,307.75	4.7760	21.9436	1.7792	9.4468
11		17,634.51	4.2084	130.00	1,320.70	4.8140	22.1014	1.7852	9.5063	
12		17,598.27	4.2000	129.99	1,309.22	4.8084	21.8434	1.7768	9.4675	
15		17,614.70	4.2011	129.53	1,307.61	4.8131	21.8192	1.7723	9.4598	
16		17,570.93	4.2225	129.92	1,301.92	4.8083	21.7751	1.7604	9.4198	
17		17,489.57	4.2076	129.43	1,299.48	4.7881	21.7267	1.7563	9.4293	
18		17,480.12	4.2009	129.44	1,306.55	4.7821	21.8143	1.7522	9.4598	
19		17,420.06	4.1957	129.05	1,296.11	4.7681	21.8911	1.7379	9.4518	
22		17,467.72	4.2038	129.63	1,300.75	4.7797	22.1820	1.7492	9.4688	
23		17,435.02	4.2086	128.76	1,305.81	4.7778	22.2469	1.7514	9.5053	
24		17,307.86	4.1927	128.37	1,291.15	4.7452	22.0293	1.7408	9.4868	
25		17,338.05	4.2083	128.27	1,296.40	4.7599	22.2550	1.7473	9.4898	
26		17,252.40	4.2028	127.13	1,298.16	4.7498	22.1824	1.7535	9.5160	
29		17,320.74	4.2170	127.92	1,297.35	4.7538	22.3632	1.7401	9.5130	
30	17,301.42	4.2159	128.28	1,295.91	4.7558	22.7513	1.7349	9.5435		
31	17,206.19	4.2119	128.15	1,291.10	4.7360	22.9029	1.7322	9.5528		
Nov.	1	17,192.30	4.2245	128.52	1,285.70	4.7674	22.9917	1.7190	9.5150	
	2	17,031.88	4.2160	128.89	1,276.25	4.7483	22.8399	1.7154	9.5143	
	5	17,027.71	4.2089	128.81	1,278.67	4.7475	22.8514	1.7085	9.5240	
	6	16,916.30	4.2135	129.31	1,280.90	4.7604	22.7736	1.7105	9.5448	
	7	16,748.05	4.2182	130.02	1,286.25	4.7734	22.6326	1.6954	9.5328	
	8	16,610.50	4.1950	129.90	1,275.88	4.7563	22.6860	1.6838	9.5078	
	9	16,661.60	4.1710	129.26	1,278.77	4.7399	23.0001	1.6815	9.5418	
	12	16,680.10	4.1423	128.20	1,280.12	4.7133	22.8373	1.6699	9.5378	
	13	16,692.18	4.1593	128.32	1,277.21	4.7229	23.0152	1.6684	9.5563	
	14	16,680.18	4.1731	128.64	1,278.88	4.7469	23.0803	1.6651	9.5990	
	15	16,599.19	4.1776	128.16	1,277.99	4.7358	23.0659	1.6601	9.6028	
	16	16,578.00	4.2070	128.37	1,283.80	4.7562	23.0573	1.6653	9.6118	
	19	16,672.00	4.2368	128.89	1,287.63	4.7848	23.1660	1.6740	9.6493	
	20	16,672.00	4.2475	128.34	1,287.96	4.7803	23.3031	1.6683	9.7135	
	21	16,655.14	4.2603	129.04	1,287.06	4.7735	23.1180	1.6686	9.7290	
	22	16,584.00	4.2590	128.80	1,287.51	4.7801	23.0660	1.6744	9.7398	
	23	16,495.81	4.2413	128.07	1,285.15	4.7635	23.0983	1.6747	9.7365	
26	16,447.94	4.2407	128.70	1,281.86	4.7588	23.2106	1.6709	9.7290		
27	16,410.59	4.2215	128.66	1,279.17	4.7498	23.1784	1.6647	9.7325		
28	16,401.86	4.2116	128.47	1,273.13	4.7368	23.0580	1.6613	9.7085		
29	16,334.14	4.2258	128.99	1,275.57	4.7575	23.0160	1.6573	9.7318		
30	16,246.21	4.2167	128.99	1,274.04	4.7532	23.0910	1.6556	9.7400		
Dec.	3	16,188.27	4.2144	128.70	1,260.44	4.7073	22.7129	1.6376	9.6893	
	4	16,303.46	4.2537	128.68	1,261.04	4.7319	23.2057	1.6406	9.6473	
	5	16,344.08	4.2293	128.31	1,264.39	4.7165	23.2282	1.6398	9.6480	
	6	16,481.65	4.2367	128.04	1,273.03	4.7271	23.3643	1.6517	9.7028	
	7	16,454.01	4.2545	128.36	1,278.67	4.7372	23.1435	1.6558	9.6970	
	10	16,671.36	4.2642	128.79	1,287.42	4.7671	23.1320	1.6581	9.6885	

* 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	
62.141	79.0830	1.5925	17.2753	1.1268	38.014	7.7104	1.1609	2018 Sep. 3
61.950	79.0289	1.5911	17.6197	1.1261	37.952	7.7188	1.1562	4
62.273	79.2265	1.5965	17.9906	1.1288	38.035	7.7240	1.1582	5
62.592	79.5747	1.6000	17.8233	1.1275	38.130	7.6282	1.1634	6
62.453	80.6765	1.5976	17.5530	1.1217	38.080	7.4772	1.1615	7
62.397	81.2688	1.5966	17.5532	1.1267	38.017	7.4763	1.1571	10
62.497	81.2488	1.5945	17.4677	1.1276	38.009	7.4953	1.1574	11
62.640	80.1609	1.5945	17.4368	1.1277	37.981	7.3781	1.1585	12
62.814	79.4322	1.5938	17.1545	1.1265	37.904	7.2068	1.1620	13
63.179	79.2016	1.6012	17.3338	1.1274	38.071	7.1474	1.1689	14
63.211	79.4113	1.6017	17.4715	1.1236	38.071	7.3332	1.1671	17
63.311	79.1659	1.6031	17.4579	1.1245	38.091	7.5053	1.1697	18
63.023	78.0688	1.5993	17.1004	1.1304	37.871	7.3236	1.1667	19
63.436	78.0670	1.6064	17.0297	1.1312	38.055	7.4320	1.1769	20
63.657	78.5108	1.6042	16.8918	1.1228	38.140	7.3935	1.1759	21
63.840	77.5752	1.6061	16.7591	1.1290	38.139	7.3093	1.1773	24
63.999	77.3603	1.6083	16.9294	1.1376	38.193	7.2323	1.1777	25
63.728	77.4075	1.6027	16.7827	1.1369	38.098	7.1820	1.1737	26
63.357	76.9011	1.5976	16.5152	1.1371	37.960	7.0415	1.1707	27
62.648	76.1422	1.5839	16.4447	1.1316	37.448	6.9650	1.1576	28
62.733	76.1229	1.5903	16.4326	1.1414	37.418	6.9080	1.1606	Oct. 1
62.680	75.4537	1.5862	16.6012	1.1354	37.365	6.9419	1.1543	2
62.677	75.7812	1.5890	16.6031	1.1412	37.398	7.0058	1.1548	3
62.482	76.6491	1.5870	16.8813	1.1409	37.537	7.0525	1.1502	4
62.455	76.6706	1.5890	16.9754	1.1433	37.745	7.0963	1.1506	5
62.051	76.7075	1.5894	17.0610	1.1396	37.826	7.0434	1.1478	8
62.027	76.3635	1.5859	17.1823	1.1381	37.850	7.0183	1.1435	9
62.307	76.1830	1.5904	16.8243	1.1412	37.864	6.9886	1.1500	10
62.540	76.9207	1.5969	16.8958	1.1430	37.914	6.9401	1.1575	11
62.581	76.2999	1.5932	16.7000	1.1470	37.882	6.8020	1.1574	12
62.649	75.9240	1.5945	16.7129	1.1428	37.841	6.6860	1.1581	15
62.381	75.8119	1.5925	16.5064	1.1444	37.733	6.7070	1.1587	16
62.181	75.6506	1.5867	16.4471	1.1453	37.542	6.5818	1.1530	17
62.137	75.5050	1.5863	16.4104	1.1451	37.512	6.4190	1.1505	18
61.605	75.2418	1.5800	16.4499	1.1421	37.358	6.4544	1.1470	19
61.841	75.0427	1.5855	16.4250	1.1456	37.672	6.5090	1.1494	22
61.716	75.0301	1.5822	16.4759	1.1424	37.705	6.6227	1.1478	23
61.207	74.3690	1.5724	16.3455	1.1373	37.481	6.4991	1.1389	24
61.283	74.8575	1.5744	16.5315	1.1407	37.570	6.4446	1.1416	25
60.877	74.7073	1.5705	16.6992	1.1367	37.569	6.3949	1.1345	26
61.101	74.6394	1.5737	16.4761	1.1384	37.796	6.3105	1.1381	29
60.862	74.6963	1.5739	16.6291	1.1386	37.880	6.2613	1.1372	30
60.471	74.4074	1.5696	16.7942	1.1399	37.535	6.2255	1.1318	31
60.642	74.8346	1.5701	16.6021	1.1430	37.529	6.3245	1.1393	Nov. 1
60.693	75.3127	1.5686	16.3720	1.1422	37.539	6.2539	1.1417	2
60.515	75.4376	1.5651	16.3230	1.1437	37.476	6.1783	1.1370	5
60.482	75.3169	1.5693	16.2351	1.1460	37.644	6.1246	1.1428	6
60.584	75.7709	1.5729	16.0216	1.1444	37.660	6.1357	1.1487	7
60.308	75.8313	1.5663	15.9590	1.1456	37.596	6.1926	1.1424	8
60.256	76.4283	1.5627	16.1884	1.1414	37.453	6.2261	1.1346	9
59.973	76.1800	1.5560	16.1851	1.1368	37.298	6.1282	1.1265	12
59.885	76.1990	1.5559	16.2504	1.1368	37.178	6.1857	1.1261	13
59.989	76.3414	1.5589	16.2025	1.1395	37.243	6.1725	1.1296	14
59.614	75.2446	1.5570	16.1238	1.1365	37.278	6.1047	1.1305	15
59.873	74.9036	1.5612	16.1185	1.1431	37.385	6.0754	1.1346	16
60.020	75.2885	1.5684	16.0122	1.1391	37.623	6.0735	1.1427	19
59.859	75.0039	1.5675	16.0629	1.1328	37.655	6.1203	1.1421	20
59.593	75.0963	1.5663	15.9020	1.1341	37.593	6.0888	1.1409	21
59.749	74.7458	1.5652	15.7042	1.1351	37.607	6.0336	1.1403	22
59.477	74.7114	1.5605	15.7507	1.1316	37.552	5.9992	1.1352	23
59.559	76.3045	1.5604	15.7322	1.1332	37.543	5.9459	1.1363	26
59.439	75.6401	1.5582	15.6320	1.1309	37.371	5.9313	1.1328	27
59.352	75.9100	1.5548	15.7292	1.1273	37.259	5.9268	1.1284	28
59.676	75.5420	1.5603	15.5182	1.1324	37.503	5.8747	1.1387	29
59.536	76.0734	1.5581	15.6258	1.1340	37.348	5.8753	1.1359	30
59.410	75.4428	1.5491	15.5084	1.1323	37.152	5.9460	1.1332	Dec. 3
60.035	75.7901	1.5550	15.5292	1.1348	37.273	6.1035	1.1409	4
59.878	75.8385	1.5520	15.6366	1.1328	37.190	6.0453	1.1354	5
60.012	75.9421	1.5560	15.9797	1.1304	37.282	6.0947	1.1351	6
60.059	75.8850	1.5583	16.0673	1.1299	37.359	6.0619	1.1371	7
60.367	75.8985	1.5667	16.3463	1.1295	37.525	6.0499	1.1425	10

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 Oct.	1.9558	7.6193	25.662	7.4592	294.76	4.1902	4.4444	8.7479	0.84720	1.4328
Nov.	1.9558	7.6326	26.927	7.4587	297.68	4.1887	4.4452	8.8802	0.83780	1.4473
Dec.	1.9558	7.6365	27.521	7.4602	300.24	4.1760	4.4635	8.9597	0.83639	1.5243
2014 Jan.	1.9558	7.6353	27.485	7.4614	302.48	4.1799	4.5205	8.8339	0.82674	1.5377
Feb.	1.9558	7.6574	27.444	7.4622	310.20	4.1741	4.4918	8.8721	0.82510	1.5222
Mar.	1.9558	7.6576	27.395	7.4638	311.49	4.1987	4.4933	8.8666	0.83170	1.5217
Apr.	1.9558	7.6267	27.450	7.4656	307.37	4.1853	4.4620	9.0329	0.82520	1.4831
May	1.9558	7.5952	27.437	7.4641	304.58	4.1800	4.4237	9.0298	0.81535	1.4755
June	1.9558	7.5770	27.450	7.4588	305.87	4.1352	4.3930	9.0914	0.80409	1.4517
July	1.9558	7.6146	27.458	7.4564	309.81	4.1444	4.4098	9.2327	0.79310	1.4420
Aug.	1.9558	7.6326	27.816	7.4551	313.91	4.1919	4.4252	9.1878	0.79730	1.4306
Sep.	1.9558	7.6236	27.599	7.4449	313.20	4.1899	4.4095	9.1929	0.79113	1.4246
Oct.	1.9558	7.6573	27.588	7.4448	307.85	4.2066	4.4153	9.1797	0.78861	1.4436
Nov.	1.9558	7.6700	27.667	7.4415	306.89	4.2121	4.4288	9.2384	0.79054	1.4432
Dec.	1.9558	7.6682	27.640	7.4402	310.83	4.2155	4.4583	9.4043	0.78830	1.4928
2015 Jan.	1.9558	7.6883	27.895	7.4406	316.50	4.2783	4.4874	9.4167	0.76680	1.4390
Feb.	1.9558	7.7114	27.608	7.4501	306.88	4.1760	4.4334	9.4901	0.74051	1.4568
Mar.	1.9558	7.6467	27.379	7.4593	303.45	4.1259	4.4339	9.2449	0.72358	1.4008
Apr.	1.9558	7.5896	27.439	7.4655	299.43	4.0180	4.4155	9.3254	0.72116	1.3939
May	1.9558	7.5591	27.397	7.4612	306.33	4.0811	4.4477	9.3037	0.72124	1.4123
June	1.9558	7.5719	27.307	7.4603	311.96	4.1586	4.4671	9.2722	0.72078	1.4530
July	1.9558	7.5863	27.094	7.4616	311.53	4.1524	4.4391	9.3860	0.70685	1.4844
Aug.	1.9558	7.5578	27.041	7.4627	311.61	4.1953	4.4235	9.5155	0.71423	1.5269
Sep.	1.9558	7.5890	27.089	7.4610	313.14	4.2176	4.4236	9.3924	0.73129	1.5900
Oct.	1.9558	7.6208	27.105	7.4601	311.27	4.2508	4.4227	9.3485	0.73287	1.5586
Nov.	1.9558	7.6074	27.039	7.4602	312.27	4.2494	4.4453	9.3133	0.70658	1.5011
Dec.	1.9558	7.6397	27.027	7.4612	314.40	4.2900	4.5033	9.2451	0.72595	1.5009
2016 Jan.	1.9558	7.6582	27.027	7.4619	314.68	4.4074	4.5311	9.2826	0.75459	1.5510
Feb.	1.9558	7.6355	27.040	7.4628	310.37	4.3970	4.4814	9.4105	0.77559	1.5556
Mar.	1.9558	7.5593	27.051	7.4569	311.15	4.2932	4.4666	9.2848	0.78020	1.4823
Apr.	1.9558	7.4947	27.031	7.4427	311.46	4.3106	4.4724	9.2027	0.79230	1.4802
May	1.9558	7.4979	27.026	7.4386	314.58	4.4039	4.4991	9.2948	0.77779	1.5461
June	1.9558	7.5204	27.061	7.4371	313.98	4.3996	4.5230	9.3338	0.79049	1.5173
July	1.9558	7.4930	27.042	7.4390	314.35	4.3964	4.4856	9.4742	0.84106	1.4694
Aug.	1.9558	7.4866	27.025	7.4408	310.21	4.3005	4.4591	9.4913	0.85521	1.4690
Sep.	1.9558	7.5005	27.022	7.4475	308.68	4.3207	4.4502	9.5655	0.85228	1.4768
Oct.	1.9558	7.5068	27.022	7.4402	307.00	4.3076	4.4942	9.7073	0.89390	1.4470
Nov.	1.9558	7.5211	27.033	7.4406	308.82	4.3911	4.5100	9.8508	0.86894	1.4331
Dec.	1.9558	7.5404	27.031	7.4362	312.24	4.4357	4.5164	9.7095	0.84441	1.4356
2017 Jan.	1.9558	7.5300	27.021	7.4355	308.99	4.3671	4.5018	9.5110	0.86100	1.4252
Feb.	1.9558	7.4476	27.021	7.4348	308.50	4.3081	4.5136	9.4762	0.85273	1.3886
Mar.	1.9558	7.4231	27.021	7.4356	309.71	4.2871	4.5476	9.5279	0.86560	1.4018
Apr.	1.9558	7.4503	26.823	7.4376	311.57	4.2374	4.5291	9.5941	0.84824	1.4241
May	1.9558	7.4317	26.572	7.4400	309.77	4.1998	4.5539	9.7097	0.85554	1.4878
June	1.9558	7.4104	26.264	7.4376	308.28	4.2113	4.5721	9.7538	0.87724	1.4861
July	1.9558	7.4116	26.079	7.4366	306.71	4.2362	4.5689	9.5892	0.88617	1.4772
Aug.	1.9558	7.4054	26.101	7.4379	304.37	4.2666	4.5789	9.5485	0.91121	1.4919
Sep.	1.9558	7.4639	26.075	7.4401	308.37	4.2693	4.5992	9.5334	0.89470	1.4946
Oct.	1.9558	7.5085	25.766	7.4429	309.95	4.2627	4.5895	9.6138	0.89071	1.5099
Nov.	1.9558	7.5512	25.538	7.4420	311.89	4.2268	4.6347	9.8479	0.88795	1.5395
Dec.	1.9558	7.5393	25.645	7.4433	313.16	4.2032	4.6348	9.9370	0.88265	1.5486
2018 Jan.	1.9558	7.4359	25.452	7.4455	309.27	4.1632	4.6491	9.8200	0.88331	1.5340
Feb.	1.9558	7.4399	25.320	7.4457	311.74	4.1653	4.6559	9.9384	0.88396	1.5684
Mar.	1.9558	7.4384	25.429	7.4490	312.19	4.2092	4.6613	10.1608	0.88287	1.5889
Apr.	1.9558	7.4209	25.365	7.4479	311.72	4.1937	4.6578	10.3717	0.87212	1.5972
May	1.9558	7.3912	25.640	7.4482	316.93	4.2850	4.6404	10.3419	0.87726	1.5695
June	1.9558	7.3822	25.778	7.4493	322.70	4.3038	4.6623	10.2788	0.87886	1.5579
July	1.9558	7.3971	25.850	7.4523	324.60	4.3239	4.6504	10.3076	0.88726	1.5792
Aug.	1.9558	7.4261	25.681	7.4558	323.02	4.2858	4.6439	10.4668	0.89687	1.5762
Sep.	1.9558	7.4294	25.614	7.4583	324.82	4.3006	4.6471	10.4426	0.89281	1.6189
Oct.	1.9558	7.4245	25.819	7.4597	323.84	4.3046	4.6658	10.3839	0.88272	1.6158
Nov.	1.9558	7.4281	25.935	7.4611	322.33	4.3018	4.6610	10.2918	0.88118	1.5681

* 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						
2.9860	1.4128	8.3226	10.5724	–	84.0071	15,109.54	4.8232	133.32	1,454.73	4.3283			2013	Oct.		
3.0959	1.4145	8.2221	10.4604	–	84.4990	15,575.06	4.7711	134.97	1,434.06	4.3176				Nov.		
3.2133	1.4580	8.3248	10.6254	–	84.7631	16,455.73	4.8019	141.68	1,446.99	4.4517				Dec.		
3.2437	1.4884	8.2368	10.5586	–	84.5099	16,471.94	4.7569	141.47	1,453.94	4.5005			2014	Jan.		
3.2581	1.5094	8.3062	10.6012	–	84.9503	16,270.18	4.8043	139.35	1,462.51	4.5194				Feb.		
3.2187	1.5352	8.5332	10.7283	–	84.2990	15,785.89	4.8087	141.48	1,479.99	4.5361				Mar.		
3.0864	1.5181	8.5984	10.7107	–	83.3624	15,801.66	4.8010	141.62	1,441.28	4.4989				Apr.		
3.0512	1.4951	8.5658	10.6456	–	81.4318	15,830.12	4.7600	139.74	1,407.13	4.4337				May		
3.0388	1.4728	8.4698	10.5365	–	81.2046	16,167.87	4.6966	138.72	1,385.45	4.3760				June		
3.0109	1.4524	8.3940	10.4935	–	81.3058	15,789.65	4.6325	137.72	1,382.29	4.3100				July		
3.0219	1.4548	8.1965	10.3207	–	81.0709	15,603.10	4.6569	137.11	1,364.17	4.2310				Aug.		
3.0089	1.4196	7.9207	10.0019	–	78.5676	15,362.85	4.6896	138.39	1,336.02	4.1522				Sep.		
3.1018	1.4214	7.7635	9.8309	–	77.7896	15,389.80	4.7249	136.85	1,345.25	4.1436				Oct.		
3.1829	1.4136	7.6411	9.6716	–	76.9566	15,177.15	4.7783	145.03	1,370.36	4.1747				Nov.		
3.2499	1.4216	7.6330	9.5626	–	77.3781	15,351.19	4.8503	147.06	1,359.97	4.2903				Dec.		
3.0639	1.4039	7.2269	9.0102	–	72.2141	14,617.69	4.5856	137.47	1,266.19	4.1648			2015	Jan.		
3.1977	1.4199	7.0960	8.8020	–	70.4356	14,504.28	4.4192	134.69	1,250.50	4.0822				Feb.		
3.3997	1.3661	6.7623	8.4081	–	67.7387	14,152.16	4.3325	130.41	1,205.92	3.9889				Mar.		
3.2800	1.3313	6.6863	8.3550	–	67.6432	13,950.49	4.2456	128.94	1,170.32	3.9118				Apr.		
3.4105	1.3568	6.9165	8.6436	–	71.1153	14,650.36	4.3086	134.75	1,220.20	4.0191				May		
3.4941	1.3854	6.9587	8.6935	–	71.5873	14,919.43	4.2891	138.74	1,248.79	4.1949				June		
3.5405	1.4124	6.8269	8.5236	–	69.9960	14,720.40	4.1679	135.68	1,260.75	4.1824				July		
3.9118	1.4637	7.0626	8.6358	–	72.5361	15,370.92	4.2836	137.12	1,313.48	4.5297				Aug.		
4.3666	1.4882	7.1462	8.6966	–	74.2990	16,175.76	4.3917	134.85	1,329.94	4.8286				Sep.		
4.3599	1.4685	7.1346	8.7073	–	73.1116	15,482.55	4.3414	134.84	1,286.06	4.7818				Oct.		
4.0601	1.4248	6.8398	8.3211	–	71.0406	14,685.99	4.1760	131.60	1,239.19	4.6328				Nov.		
4.2145	1.4904	7.0193	8.4307	–	72.3851	15,087.43	4.2199	132.36	1,277.56	4.6615				Dec.		
4.4021	1.5447	7.1393	8.4509	–	73.2036	15,069.76	4.2903	128.32	1,307.56	4.7162			2016	Jan.		
4.3953	1.5317	7.2658	8.6333	–	75.7172	14,985.33	4.3336	127.35	1,349.77	4.6411				Feb.		
4.1195	1.4697	7.2220	8.6152	–	74.3018	14,629.58	4.2927	125.39	1,314.89	4.5167				Mar.		
4.0374	1.4559	7.3461	8.7954	–	75.3823	14,932.22	4.2812	124.29	1,300.58	4.4232				Apr.		
3.9983	1.4626	7.3864	8.7815	–	75.7016	15,188.82	4.3115	123.21	1,329.46	4.5755				May		
3.8570	1.4477	7.4023	8.7162	–	75.5592	14,969.03	4.3323	118.45	1,310.59	4.5760				June		
3.6263	1.4428	7.3910	8.5858	–	74.3738	14,520.91	4.2686	115.25	1,264.05	4.4471				July		
3.5983	1.4557	7.4537	8.6961	–	75.0303	14,757.31	4.2559	113.49	1,245.55	4.5141				Aug.		
3.6436	1.4677	7.4819	8.6964	–	74.8220	14,697.52	4.2210	114.22	1,244.12	4.6108				Sep.		
3.5158	1.4594	7.4198	8.5533	–	73.5775	14,361.10	4.2110	114.47	1,243.02	4.6040				Oct.		
3.6056	1.4519	7.3883	8.3758	–	73.0550	14,398.18	4.1491	116.93	1,256.71	4.6843				Nov.		
3.5405	1.4070	7.2983	8.1802	–	71.5390	14,135.71	4.0401	122.39	1,248.48	4.7013				Dec.		
3.3929	1.4032	7.3189	8.2332	–	72.2823	14,181.25	4.0543	122.14	1,254.41	4.7318			2017	Jan.		
3.3022	1.3942	7.3143	8.2586	–	71.2908	14,186.74	3.9672	120.17	1,215.92	4.7283				Feb.		
3.3413	1.4306	7.3692	8.2984	–	70.3238	14,255.46	3.9012	120.68	1,211.23	4.7413				Mar.		
3.3620	1.4408	7.3892	8.3364	–	69.2016	14,265.96	3.9153	118.29	1,215.64	4.7224				Apr.		
3.5424	1.5041	7.6130	8.6108	–	71.2681	14,730.60	3.9727	124.09	1,245.02	4.7713				May		
3.6948	1.4941	7.6459	8.7578	–	72.3798	14,940.12	3.9658	124.58	1,271.29	4.8045				June		
3.6928	1.4641	7.7965	8.9893	–	74.1945	15,363.84	4.0899	129.48	1,305.21	4.9389				July		
3.7201	1.4889	7.8760	9.2348	–	75.5465	15,753.09	4.2504	129.70	1,335.93	5.0579				Aug.		
3.7316	1.4639	7.8257	9.3094	–	76.8002	15,852.42	4.2080	131.92	1,348.89	5.0191				Sep.		
3.7503	1.4801	7.7890	9.1763	–	76.4977	15,904.42	4.1265	132.76	1,331.01	4.9716				Oct.		
3.8246	1.4978	7.7723	9.1617	–	76.1248	15,875.67	4.1283	132.39	1,292.05	4.8902				Nov.		
3.8941	1.5108	7.8073	9.2479	–	76.0663	16,048.79	4.1495	133.64	1,283.39	4.8238				Dec.		
3.9170	1.5167	7.8398	9.5394	–	77.6558	16,316.81	4.1753	135.25	1,300.93	4.8249			2018	Jan.		
4.0109	1.5526	7.8068	9.6585	124.69	79.5615	16,793.74	4.3173	133.29	1,331.47	4.8318				Feb.		
4.0426	1.5943	7.7982	9.6726	122.82	80.2526	16,973.10	4.2775	130.86	1,321.99	4.8155				Mar.		
4.1815	1.5622	7.7347	9.6350	122.30	80.6548	16,959.01	4.3425	132.16	1,312.94	4.7734				Apr.		
4.2912	1.5197	7.5291	9.2712	122.83	79.7891	16,594.39	4.2397	129.57	1,272.38	4.6891				May		
4.4049	1.5327	7.5512	9.1642	124.76	79.1601	16,393.39	4.2096	128.53	1,277.93	4.6717				June		
4.4765	1.5356	7.8504	9.1708	124.41	80.2996	16,836.55	4.2595	130.23	1,313.03	4.7327				July		
4.5357	1.5063	7.9092	9.0655	124.19	80.4260	16,822.69	4.2330	128.20	1,295.39	4.7277				Aug.		
4.8013	1.5211	7.9930	9.1375	128.90	84.2109	17,338.45	4.1858	130.54	1,305.86	4.8265				Sep.		
4.3246	1.4935	7.9481	9.0011	134.47	84.5447	17,428.73	4.1996	129.62	1,300.10	4.7761				Oct.		
4.2973	1.4998	7.8880	8.9000	139.78	81.5611	16,651.71	4.2122	128.79	1,280.89	4.7548				Nov.		

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

2. Monthly averages + (cont'd)

EUR 1 = CU ...

Period	Other European and non-European countries (cont'd)										
	Mexico Mexican peso MXN	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United States US dollar USD
2013 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	13.0755	1.0608	35.355	2.8077	1.0838
Apr.	16.4288	1.4217	8.5057	47.863	56.7415	1.4539	12.9588	1.0379	35.072	2.8743	1.0779
May	17.0378	1.5112	8.4103	49.741	56.3735	1.4882	13.3506	1.0391	37.408	2.9491	1.1150
June	17.3467	1.6046	8.7550	50.508	61.2390	1.5091	13.7965	1.0455	37.818	3.0299	1.1213
July	17.5297	1.6542	8.9357	49.814	63.2077	1.4972	13.6973	1.0492	37.760	2.9705	1.0996
Aug.	18.4333	1.7001	9.1815	51.536	73.3597	1.5573	14.3821	1.0777	39.465	3.1826	1.1139
Sep.	18.8821	1.7714	9.3075	52.456	74.8040	1.5879	15.3065	1.0913	40.426	3.3835	1.1221
Oct.	18.6216	1.6794	9.2892	52.070	70.9490	1.5731	15.1579	1.0882	40.092	3.2887	1.1235
Nov.	17.8605	1.6365	9.2572	50.537	69.7899	1.5181	15.1743	1.0833	38.432	3.0849	1.0736
Dec.	18.5500	1.6133	9.4642	51.337	76.3576	1.5321	16.3210	1.0827	39.162	3.1800	1.0877
2016 Jan.	19.6039	1.6654	9.5899	51.654	83.8638	1.5561	17.7592	1.0941	39.249	3.2713	1.0860
Feb.	20.4826	1.6732	9.5628	52.816	85.6158	1.5596	17.4987	1.1018	39.507	3.2638	1.1093
Mar.	19.5943	1.6481	9.4300	51.722	77.9394	1.5247	17.1222	1.0920	39.089	3.2072	1.1100
Apr.	19.8402	1.6458	9.3224	52.598	75.4333	1.5308	16.5695	1.0930	39.780	3.2135	1.1339
May	20.4956	1.6628	9.3036	52.951	74.4745	1.5494	17.3357	1.1059	40.064	3.3230	1.1311
June	20.9430	1.5955	9.3278	52.172	73.1466	1.5205	16.9371	1.0894	39.624	3.2737	1.1229
July	20.5453	1.5514	9.3690	52.102	71.2417	1.4949	15.9449	1.0867	38.794	3.2786	1.1069
Aug.	20.7136	1.5491	9.3030	52.254	72.7952	1.5106	15.4198	1.0881	38.916	3.3206	1.1212
Sep.	21.5034	1.5328	9.1971	53.359	72.2387	1.5240	15.7305	1.0919	38.935	3.3284	1.1212
Oct.	20.8389	1.5409	9.0009	53.304	69.0091	1.5257	15.3593	1.0887	38.666	3.3912	1.1026
Nov.	21.6800	1.5102	9.0807	53.160	69.5321	1.5232	15.0351	1.0758	38.155	3.5500	1.0799
Dec.	21.6189	1.4982	9.0252	52.493	65.3781	1.5137	14.6142	1.0750	37.730	3.6917	1.0543
2017 Jan.	22.6576	1.4923	8.9990	52.800	63.4978	1.5175	14.4012	1.0714	37.645	3.9869	1.0614
Feb.	21.6027	1.4733	8.8603	53.208	62.1520	1.5055	14.0389	1.0660	37.258	3.9011	1.0643
Mar.	20.6333	1.5255	9.0919	53.683	61.9097	1.5013	13.8125	1.0706	37.260	3.9228	1.0685
Apr.	20.1297	1.5389	9.1993	53.441	60.5721	1.4996	14.4384	1.0727	36.967	3.9150	1.0723
May	20.7659	1.5905	9.4001	55.108	63.1641	1.5423	14.6665	1.0904	38.103	3.9463	1.1058
June	20.3786	1.5544	9.4992	56.045	65.1136	1.5541	14.5025	1.0874	38.181	3.9554	1.1229
July	20.5291	1.5658	9.3988	58.306	68.7707	1.5790	15.1351	1.1059	38.834	4.1021	1.1511
Aug.	21.0333	1.6167	9.3201	60.161	70.2902	1.6070	15.6310	1.1398	39.267	4.1436	1.1807
Sep.	21.2431	1.6426	9.3275	60.732	68.6987	1.6084	15.6766	1.1470	39.497	4.1376	1.1915
Oct.	22.1033	1.6695	9.3976	60.471	67.8647	1.5992	16.1145	1.1546	39.069	4.3234	1.1756
Nov.	22.2188	1.7043	9.6082	59.733	69.2093	1.5911	16.5187	1.1640	38.623	4.5714	1.1738
Dec.	22.6384	1.7002	9.8412	59.602	69.4092	1.5938	15.5847	1.1689	38.639	4.5511	1.1836
2018 Jan.	23.0903	1.6800	9.6464	61.733	69.1156	1.6122	14.8910	1.1723	38.913	4.6027	1.2200
Feb.	23.0251	1.6892	9.6712	64.123	70.2041	1.6294	14.6041	1.1542	38.888	4.6710	1.2348
Mar.	22.9932	1.7001	9.5848	64.289	70.5195	1.6222	14.6218	1.1685	38.581	4.7993	1.2336
Apr.	22.5610	1.6942	9.6202	63.901	75.0983	1.6156	14.8756	1.1890	38.451	5.0003	1.2276
May	23.0985	1.6996	9.5642	61.746	73.6504	1.5819	14.8182	1.1780	37.781	5.2501	1.1812
June	23.7134	1.6822	9.4746	62.038	73.2934	1.5737	15.5262	1.1562	37.930	5.4073	1.1678
July	22.2481	1.7220	9.4975	62.394	73.3942	1.5931	15.6599	1.1622	38.894	5.5748	1.1686
Aug.	21.7835	1.7315	9.6161	61.539	76.6684	1.5807	16.2808	1.1413	38.146	6.8488	1.1549
Sep.	22.1891	1.7674	9.6205	62.957	78.8756	1.5986	17.2295	1.1286	38.013	7.3840	1.1659
Oct.	21.9950	1.7586	9.4793	61.950	75.6102	1.5843	16.6548	1.1413	37.652	6.6919	1.1484
Nov.	23.0062	1.6779	9.6272	59.958	75.5508	1.5629	16.0114	1.1377	37.470	6.0896	1.1367

* 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 lei (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	2.6633
2008	–	3.5121	3.6826	31.262	–	9.6152	0.79628	1.7416	2.6737
2009	–	4.3276	4.2399	–	–	10.6191	0.89094	1.7727	2.7674
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)										
	China	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico
Period	Chinese yuan renminbi CNY ¹	Hong Kong dollar HKD	Icelandic krona ISK ²	Indian rupee INR ³	Indonesian rupiah IDR ¹	New shekel ILS ⁴	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR ¹	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)										
	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP ¹	Russian rouble RUB ¹	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB ¹	Turkish lira/ New Turkish lira TRL/TRY ⁶	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



III. Effective exchange rates of the euro *

1. Annual and monthly averages

Q1 1999 = 100

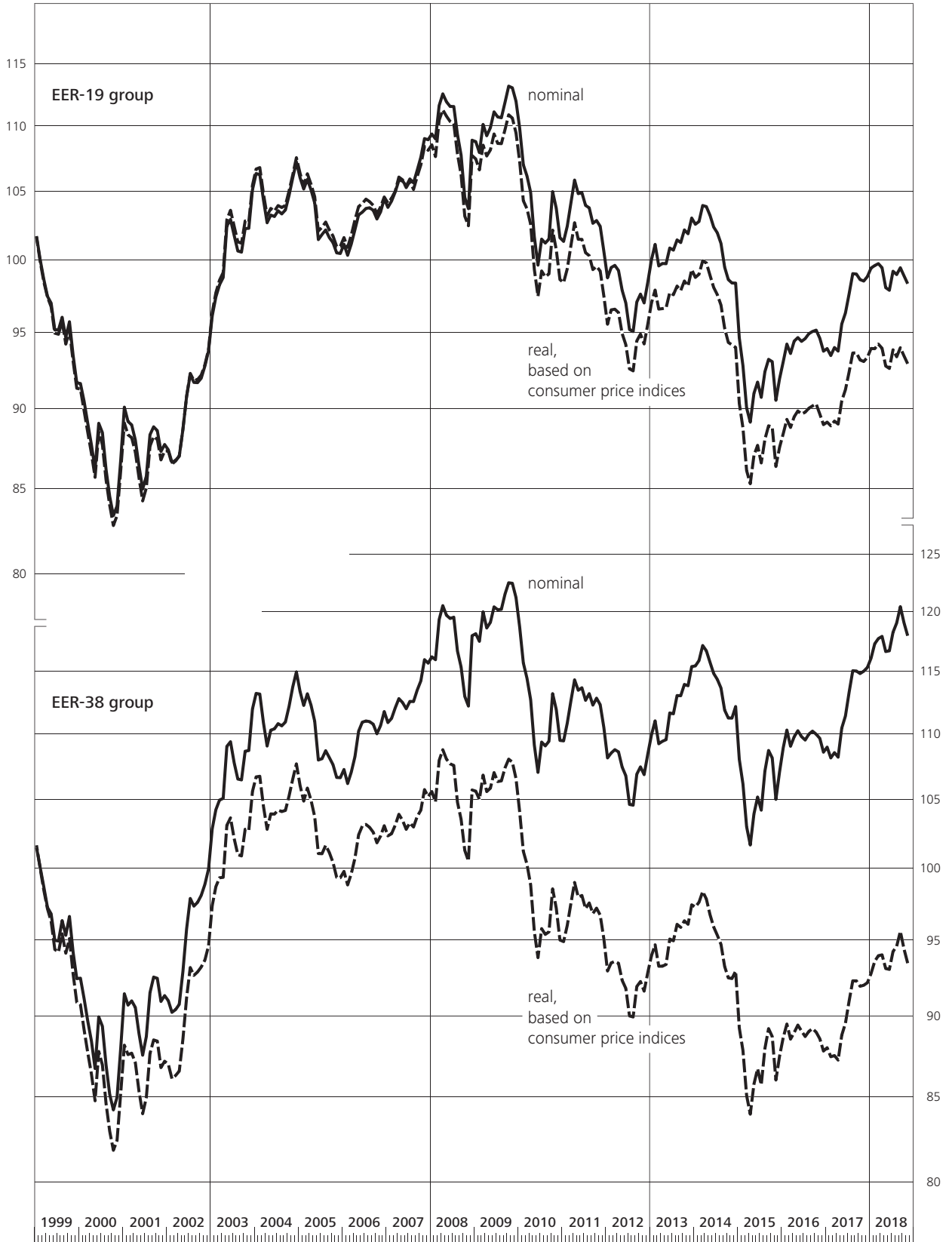
Period	Effective exchange rate of the euro vis-à-vis the currencies of the group ¹				Memo item: Indicators of the German economy's price competitiveness based on consumer price indices vis-à-vis					
	EER-19		EER-38 ²		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based 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	85.8	93.0	99.0	85.8	92.0	90.9	
2001	87.8	87.1	90.6	86.9	93.0	98.1	86.9	91.4	90.8	
2002	90.1	90.2	95.2	90.5	93.5	96.9	89.5	91.9	91.7	
2003	100.7	101.2	107.1	101.4	97.0	95.7	99.1	96.5	96.7	
2004	104.6	104.9	111.7	105.0	98.4	95.4	102.9	98.0	98.3	
2005	102.9	103.4	109.6	102.4	98.4	95.2	103.2	96.9	96.6	
2006	102.8	103.3	109.6	101.7	98.5	94.9	104.1	96.4	95.8	
2007	106.1	106.0	113.0	103.6	100.7	95.2	109.7	97.8	96.9	
2008	109.3	108.1	117.1	105.5	102.1	94.6	114.7	97.7	97.0	
2009	110.7	108.8	120.2	106.5	101.7	94.5	113.8	97.9	97.4	
2010	103.6	101.1	111.6	97.6	98.7	94.1	106.0	93.6	91.9	
2011	103.3	100.1	112.3	97.0	98.1	93.7	105.0	92.7	91.3	
2012	97.7	94.8	107.2	92.2	95.8	93.2	99.6	89.7	88.2	
2013	101.0	97.7	111.8	95.0	98.1	93.3	105.6	91.4	90.1	
2014	101.4	97.2	114.1	95.4	98.1	93.6	105.3	91.6	90.7	
2015	91.7	87.6	105.7	87.0	94.1	93.6	94.6	86.4	85.8	
2016	94.4	89.5	109.7	p 88.9	94.7	93.6	96.2	87.5	p 87.0	
2017	96.6	91.4	112.0	p 90.0	96.0	93.7	99.4	88.6	p 87.8	
2015 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	85.1	93.6	93.7	93.2	85.6	84.6	
Apr.	89.1	85.3	101.6	83.9	93.4	93.7	92.7	85.2	84.0	
May	91.0	87.0	103.9	85.7	94.0	93.6	94.3	86.2	85.1	
June	91.7	87.7	105.2	86.7	94.1	93.5	94.7	86.4	85.6	
July	90.7	86.6	104.2	85.7	93.7	93.5	93.6	85.8	85.0	
Aug.	92.4	88.0	107.1	88.0	94.3	93.6	95.0	86.7	86.4	
Sep.	93.2	88.9	108.7	89.2	94.5	93.5	95.7	87.1	87.1	
Oct.	93.0	88.8	108.1	88.7	94.5	93.6	95.7	87.1	86.9	
Nov.	90.5	86.4	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	86.0	
2016 Jan.	93.0	88.4	108.9	p 88.6	93.9	93.5	94.4	86.8	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 89.1	94.5	93.6	95.7	87.6	p 87.1	
July	94.6	89.7	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 88.6	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 86.6	
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	87.9	p 87.0	
June	96.3	91.2	111.4	p 89.6	95.9	93.8	99.0	88.5	p 87.6	
July	97.6	92.4	113.3	p 91.0	96.6	93.9	100.6	89.2	p 88.5	
Aug.	99.0	93.6	115.0	p 92.3	97.2	93.8	102.5	89.8	p 89.2	
Sep.	99.0	93.6	115.0	p 92.3	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 92.2	97.5	94.0	103.0	89.8	p 89.3	
2018 Jan.	99.4	93.9	116.1	p 92.8	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	104.0	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	97.9	93.7	104.3	p 90.0	p 89.8	
May	98.1	p 92.7	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	93.7	p 102.5	p 89.9	p 89.9	
Aug.	99.0	p 93.4	119.0	p 94.6	p 96.9	93.6	p 101.8	p 89.6	p 90.0	
Sep.	99.5	p 94.0	120.4	p 95.6	p 97.4	p 94.0	p 102.5	p 90.2	p 91.0	
Oct.	98.9	p 93.4	119.0	p 94.4	p 97.0	p 93.9	p 101.7	p 89.8	p 90.2	
Nov.	98.3	p 92.9	117.9	p 93.5	p 96.8	p 93.9	p 101.2	p 89.6	p 89.7	

* 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			
					September 2018	October 2018	November 2018	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 68.1445	AFN 75.6006	AFN 74.8612	AFN 75.7410	
		S	USD 1 =	AFN 68.2445	AFN 75.7006	AFN 74.9612	AFN 75.8410	
	AFN	B	EUR 1 =	AFN 77.1114	AFN 87.4117	AFN 84.8832	AFN 86.0350	
		S	EUR 1 =	AFN 77.3714	AFN 87.6717	AFN 85.1432	AFN 86.2950	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 118.94	ALL 108.75	ALL 110.25	ALL 109.85
M			EUR 1 =	ALL 134.16	ALL 126.29	ALL 124.94	ALL 124.33	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 111.0969	DZD 118.3101	DZD 119.0348	DZD 118.5197	
		S	USD 1 =	DZD 111.1119	DZD 118.3251	DZD 119.0498	DZD 118.5347	
	DZD	B	EUR 1 =	DZD 125.6478	DZD 136.9676	DZD 134.8069	DZD 134.7450	
		S	EUR 1 =	DZD 125.6908	DZD 137.0323	DZD 134.8477	DZD 134.7740	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 165.091	AOA 294.112	AOA 307.571	AOA 310.069	
		S	USD 1 =	AOA 166.742	AOA 294.824	AOA 308.233	AOA 310.846	
	AOA	B	EUR 1 =	AOA 184.490	AOA 343.141	AOA 349.493	AOA 352.176	
		S	EUR 1 =	AOA 186.296	AOA 344.001	AOA 350.369	AOA 352.935	
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 3.1119	XCD 3.0425	XCD 3.0535	
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1451	XCD 3.0750	XCD 3.0861	
Argentina								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 16.4721	ARS 41.0500	ARS 35.7500	ARS 37.5200	
		S	USD 1 =	ARS 16.5721	ARS 41.2500	ARS 35.9500	ARS 37.7200	
	ARS	B	EUR 1 =	ARS 18.6421	ARS 47.6180	ARS 40.3904	ARS 42.6790	
		S	EUR 1 =	ARS 18.7969	ARS 47.9531	ARS 40.7062	ARS 43.0008	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 482.78	AMD 482.71	AMD 486.24	AMD 485.23	
		M	EUR 1 =	AMD 545.83	AMD 559.65	AMD 551.20	AMD 551.76	
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 206.28	AWG 202.15	AWG 202.63	
		S	EUR 100 =	AWG 204.55	AWG 208.35	AWG 204.18	AWG 204.67	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² 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		
					September 2018	October 2018	November 2018
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7669	USD 0.7222	USD 0.7085	USD 0.7316
		M	AUD 1 =	EUR 0.6784	EUR 0.6200	EUR 0.6247	EUR 0.6421
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
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 1.9799	AZN 1.9281	AZN 1.9367
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 1.15181	BSD 1.12614	BSD 1.13022
		V, S	EUR 1 =	BSD 1.14382	BSD 1.17207	BSD 1.14595	BSD 1.15010
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 0.4245496	BHD 0.4153734	BHD 0.4139087
S	EUR 1 =	BHD 0.4414323	BHD 0.4508104	BHD 0.4410666	BHD 0.4395113		
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 80.6296	BDT 83.7500	BDT 83.8500	BDT 83.9000
		S	USD 1 =	BDT 80.6342	BDT 83.7500	BDT 83.8500	BDT 83.9000
		B	EUR 1 =	BDT 91.8261	BDT 97.2170	BDT 94.8344	BDT 94.9329
S	EUR 1 =	BDT 91.8648	BDT 97.2338	BDT 94.8679	BDT 94.9664		
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 2.32089	BBD 2.25856	BBD 2.26543
S	EUR 1 =	BBD 2.30526	BBD 2.36440	BBD 2.30091	BBD 2.30791		
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 1.9314	BYN 2.1121	BYN 2.1178	BYN 2.1384
		M	EUR 1 =	BYN 2.1862	BYN 2.4537	BYN 2.4090	BYN 2.4286

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		
					September 2018	October 2018	November 2018
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
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
	BZD	B	EUR 1 =	BZD 2.2540	BZD 2.2957	BZD 2.2440	BZD 2.2517
		S	EUR 1 =	BZD 2.2937	BZD 2.3363	BZD 2.2836	BZD 2.2915
Benin ¹							
Porto-Novo Seat of government: Cotonou 284	CFA franc	V	USD 1 =	XOF 580.647	XOF 566.653	XOF 579.570	XOF 577.478
	XOF	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
	BMD	V, B	EUR 1 =	BMD 1.1252	BMD 1.1530	BMD 1.1273	BMD 1.1314
		V, S	EUR 1 =	BMD 1.1346	BMD 1.1626	BMD 1.1367	BMD 1.1408
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 63.91	BTN 71.55	BTN 72.40	BTN 68.80
		S	USD 1 =	BTN 66.02	BTN 73.75	BTN 74.65	BTN 70.95
	B	EUR 1 =	BTN 72.64	BTN 83.65	BTN 82.30	BTN 78.20	
	S	EUR 1 =	BTN 74.64	BTN 86.00	BTN 84.60	BTN 80.35	
Bolivia, Plurinational State of							
Sucre Seat of government: La Paz 516	Boliviano = 100 centavos	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
		S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
	BOB	V, B	EUR 1 =	BOB 7.7357	BOB 7.9411	BOB 7.7641	BOB 7.7923
		V, S	EUR 1 =	BOB 7.8485	BOB 8.0569	BOB 7.8773	BOB 7.9059
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.720423	BAM 1.685332	BAM 1.715565	BAM 1.713305
		S	USD 1 =	BAM 1.729046	BAM 1.693780	BAM 1.724165	BAM 1.721893
	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 0.0944	USD 0.0919	USD 0.0952
		S	BWP 1 =	USD 0.0970	USD 0.0942	USD 0.0916	USD 0.0949
	B	BWP 1 =	EUR 0.0856	EUR 0.0815	EUR 0.0811	EUR 0.0837	
	S	BWP 1 =	EUR 0.0854	EUR 0.0813	EUR 0.0809	EUR 0.0836	

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			
					September 2018	October 2018	November 2018	
Brazil								
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.1919	BRL 4.0033	BRL 3.7171	BRL 3.8627	
		S	USD 1 =	BRL 3.1925	BRL 4.0039	BRL 3.7177	BRL 3.8633	
	BRL	B	EUR 1 =	BRL 3.6485	BRL 4.6518	BRL 4.2122	BRL 4.3788	
		S	EUR 1 =	BRL 3.6502	BRL 4.6545	BRL 4.2136	BRL 4.3806	
	Brunei Darussalam ¹							
	Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3657	BND 1.3585	BND 1.3764	BND 1.3606
S			USD 1 =	BND 1.3862	BND 1.3770	BND 1.3949	BND 1.3788	
BND		B	EUR 1 =	BND 1.5347	BND 1.5668	BND 1.5465	BND 1.5352	
		S	EUR 1 =	BND 1.5912	BND 1.6215	BND 1.6012	BND 1.5896	
Bulgaria								
Sofia 068		Bulgarian lev = 100 stotinkas	M	USD 1 =	BGN 1.73478	BGN 1.68956	BGN 1.72807	BGN 1.72183
	2		EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583	
	BGN	M	USD 1 =	BGN 1.73478	BGN 1.68956	BGN 1.72807	BGN 1.72183	
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583	
Burkina Faso ¹								
Ouagadougou 236	CFA franc	V	USD 1 =	XOF 580.647	XOF 566.653	XOF 579.570	XOF 577.478	
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
	XOF	V	USD 1 =	XOF 580.647	XOF 566.653	XOF 579.570	XOF 577.478	
		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 1,771.6941	BIF 1,778.7627	BIF 1,784.4849	
		S	USD 1 =	BIF 1,749.2041	BIF 1,807.4859	BIF 1,814.6973	BIF 1,820.5351	
	BIF	B	EUR 1 =	BIF 1,948.7043	BIF 2,062.0748	BIF 2,017.2948	BIF 2,032.7960	
		S	EUR 1 =	BIF 1,987.4246	BIF 2,103.7328	BIF 2,058.0482	BIF 2,073.8626	
	Cabo Verde							
	Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 97.230	CVE 94.086	CVE 96.861	CVE 96.733
S			USD 1 =	CVE 97.432	CVE 94.288	CVE 97.063	CVE 96.935	
CVE		B	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265	
		2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265	
Cambodia								
Phnom Penh 696		Riel = 100 sen	M	USD 1 =	KHR 4,045	KHR 4,082	KHR 4,060	KHR 4,031
	S		EUR 1 =	KHR 4,595	KHR 4,751	KHR 4,606	KHR 4,592	
	KHR	B	EUR 1 =	KHR 4,641	KHR 4,798	KHR 4,652	KHR 4,638	
		S	EUR 1 =	KHR 4,641	KHR 4,798	KHR 4,652	KHR 4,638	
	Cameroon ¹							
	Yaoundé 302	CFA franc	V	USD 1 =	XAF 580.647	XAF 566.653	XAF 579.570	XAF 577.478
2			EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957	
XAF		V	USD 1 =	XAF 580.647	XAF 566.653	XAF 579.570	XAF 577.478	
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957	
Canada								
Ottawa 404	Canadian dollar = 100 cents	M	USD 1 =	CAD 1.2986	CAD 1.2945	CAD 1.3142	CAD 1.3301	
		M	EUR 1 =	CAD 1.4749	CAD 1.5020	CAD 1.4876	CAD 1.5068	
	CAD	M	USD 1 =	CAD 1.2986	CAD 1.2945	CAD 1.3142	CAD 1.3301	
		M	EUR 1 =	CAD 1.4749	CAD 1.5020	CAD 1.4876	CAD 1.5068	

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		
					September 2018	October 2018	November 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 0.9647	KYD 0.9432	KYD 0.9466
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 566.653	XAF 579.570	XAF 577.478
		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 566.653	XAF 579.570	XAF 577.478
		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 661.50	CLP 693.31	CLP 669.43
		M	EUR 1 =	CLP 730.93	CLP 771.88	CLP 787.23	CLP 761.58
China							
Beijing 720	Chinese renminbi ⁴ 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.7513	CNY 6.8792	CNY 6.9646	CNY 6.9357
		M	EUR 1 =	CNY 7.6579	CNY 8.0111	CNY 7.9008	CNY 7.8991
		M	HKD 1 =	CNY 0.86568	CNY 0.87995	CNY 0.88771	CNY 0.88682
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.31	TWD 30.475	TWD 30.905	TWD 30.780
		S	USD 1 =	TWD 30.41	TWD 30.575	TWD 31.005	TWD 30.880
		B	EUR 1 =	TWD 34.13	TWD 35.28	TWD 34.93	TWD 34.89
		S	EUR 1 =	TWD 34.53	TWD 35.68	TWD 35.33	TWD 35.29
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 2,951.285	COP 2,989.58	COP 3,202.44	COP 3,240.02
		V, M	EUR 1 =	COP 3,329.382	COP 3,460.738	COP 3,624.522	COP 3,680.339
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 435.48531	KMF 424.98942	KMF 434.67728	KMF 433.10833
		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 566.653	XAF 579.570	XAF 577.478
		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			
					September 2018	October 2018	November 2018	
Congo, Democratic Republic of the								
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,455.5068	CDF 1,598.2773	CDF 1,600.0647	CDF 1,599.7012	
		S	USD 1 =	CDF 1,514.9152	CDF 1,663.5131	CDF 1,665.3735	CDF 1,664.9951	
	CDF	B	EUR 1 =	CDF 1,658.2101	CDF 1,869.0428	CDF 1,818.8243	CDF 1,804.4789	
		S	EUR 1 =	CDF 1,725.8701	CDF 1,945.3303	CDF 1,893.0620	CDF 1,878.1311	
Cook Islands ¹								
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6438	EUR 0.5820	EUR 0.5922	EUR 0.6174	
		S	NZD 1 =	EUR 0.6162	EUR 0.5567	EUR 0.5663	EUR 0.5907	
Costa Rica								
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 563.02	CRC 579.12	CRC 603.20	CRC 596.15	
		S	USD 1 =	CRC 572.30	CRC 585.80	CRC 610.74	CRC 603.10	
	CRC	V, B	EUR 1 =	CRC 640.4559	CRC 670.3893	CRC 682.7018	CRC 677.1668	
		V, S	EUR 1 =	CRC 650.8521	CRC 678.1221	CRC 691.2355	CRC 685.0613	
Côte d'Ivoire ¹								
Yamoussoukro Seat of government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 566.653	XOF 579.570	XOF 577.478	
		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 6.383565	HRK 6.518958	HRK 6.513746	
		S	USD 1 =	HRK 6.625612	HRK 6.421981	HRK 6.558190	HRK 6.552946	
	HRK	B	EUR 1 =	HRK 7.438069	HRK 7.401743	HRK 7.403581	HRK 7.393753	
		S	EUR 1 =	HRK 7.482832	HRK 7.446287	HRK 7.448137	HRK 7.438249	
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 1.15458	CUC 1.12300	CUC 1.12627	
		S	EUR 1 =	CUC 1.17106	CUC 1.17792	CUC 1.14570	CUC 1.14903	
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 206.28	ANG 202.15	ANG 202.63	
		S	EUR 100 =	ANG 206.55	ANG 210.44	ANG 206.22	ANG 206.71	
Cyprus								
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359	
Czechia								
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 23.382	CZK 21.967	CZK 22.902	CZK 22.848	
		M	EUR 1 =	CZK 26.289	CZK 25.715	CZK 25.920	CZK 25.955	

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		
					September 2018	October 2018	November 2018
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 659.53	DKK 644.13	DKK 659.25	DKK 656.94
		M	EUR 100 =	DKK 743.90	DKK 745.64	DKK 746.14	DKK 746.22
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 202.57	DJF 198.97	DJF 199.74
		S	EUR 1 =	DJF 207.47	DJF 212.58	DJF 206.74	DJF 207.54
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 3.1119	XCD 3.0425	XCD 3.0535
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1451	XCD 3.0750	XCD 3.0861
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 47.1821	DOP 49.4780	DOP 49.6941	DOP 49.8451
		S	USD 1 =	DOP 47.6080	DOP 49.8828	DOP 50.1073	DOP 50.2567
		B	EUR 1 =	DOP 52.6036	DOP 57.2942	DOP 55.9569	DOP 56.2693
		S	EUR 1 =	DOP 55.8669	DOP 60.4995	DOP 59.4441	DOP 59.5996
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 20.5715	EGP 20.1287	EGP 20.1785
		S	EUR 1 =	EGP 20.2009	EGP 20.8320	EGP 20.3135	EGP 20.3778
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 10.1290	SVC 9.9033	SVC 9.9391
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 566.653	XAF 579.570	XAF 577.478
		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 17.6460	ERN 17.0250	ERN 17.0505
		S	EUR 1 =	ERN 17.7432	ERN 18.2822	ERN 17.6612	ERN 17.6867
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359

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			
					September 2018	October 2018	November 2018	
Ethiopia								
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 24.0105	ETB 27.5889	ETB 27.7353	ETB 27.8813	
		S	USD 1 =	ETB 24.4907	ETB 28.1407	ETB 28.2900	ETB 28.4389	
	ETB	B	EUR 1 =	ETB 27.3459	ETB 32.4142	ETB 31.5378	ETB 31.6509	
		S	EUR 1 =	ETB 27.9003	ETB 33.0625	ETB 32.1686	ETB 32.2839	
	Eswatini ¹							
	Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 13.2528	SZL 14.1061	SZL 14.6693	SZL 13.6588
S			USD 1 =	SZL 13.3028	SZL 14.1147	SZL 14.6784	SZL 13.6701	
SZL		B	EUR 1 =	SZL 15.04752	SZL 16.4003	SZL 16.6362	SZL 15.5592	
		S	EUR 1 =	SZL 15.10738	SZL 16.4112	SZL 16.6685	SZL 15.5742	
Falkland Islands (Islas Malvinas)								
Stanley 529		Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.77602	FKP 0.76650	FKP 0.78524	FKP 0.78412
	V		EUR 1 =	FKP 0.87667	FKP 0.88730	FKP 0.88873	FKP 0.89068	
Fiji								
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4933	USD 0.4767	USD 0.4733	USD 0.4817	
		S	FJD 1 =	USD 0.4763	USD 0.4597	USD 0.4563	USD 0.4647	
	FJD	B	FJD 1 =	EUR 0.4331	EUR 0.4077	EUR 0.4152	EUR 0.4212	
		S	FJD 1 =	EUR 0.4211	EUR 0.3957	EUR 0.4032	EUR 0.4092	
	Finland							
	Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
France								
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359	
Gabon ¹								
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 580.647	XAF 566.653	XAF 579.570	XAF 577.478	
		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 49.21	GMD 49.43	GMD 49.50	
		M	EUR 1 =	GMD 53.21	GMD 57.88	GMD 57.13	GMD 56.71	
Georgia								
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.5129	GEL 2.6151	GEL 2.7027	GEL 2.6896	
		M	EUR 1 =	GEL 2.8415	GEL 3.0306	GEL 3.0703	GEL 3.0543	

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		
					September 2018	October 2018	November 2018
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
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 4.7752 GHS 4.7800 GHS 5.5367 GHS 5.5417	GHS 4.7875 GHS 4.7923 GHS 5.4167 GHS 5.4206	GHS 4.8036 GHS 4.8084 GHS 5.4479 GHS 5.4527
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.77602 GIP 0.87667	GIP 0.76650 GIP 0.88730	GIP 0.78524 GIP 0.88873	GIP 0.78412 GIP 0.89068
Greece ¹							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
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 3.1119 XCD 3.1451	XCD 2.6882 XCD 2.7169 XCD 3.0425 XCD 3.0750	XCD 2.6882 XCD 2.7169 XCD 3.0535 XCD 3.0861
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.34631 GTQ 8.35181	GTQ 7.70206 GTQ 8.91590	GTQ 7.73340 GTQ 8.75266	GTQ 7.70115 GTQ 8.74774
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 9,160.00 GNF 10,126.612 GNF 10,638.174	GNF 8,710.00 GNF 9,160.00 GNF 9,879.204 GNF 10,378.268	GNF 8,730.00 GNF 9,180.00 GNF 9,932.758 GNF 10,444.755
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V 4	USD 1 = EUR 1 =	XOF 580.647 XOF 655.957	XOF 566.653 XOF 655.957	XOF 579.570 XOF 655.957	XOF 577.478 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 240.74 GYD 243.81	GYD 207.98 GYD 210.45 GYD 235.62 GYD 238.63	GYD 207.98 GYD 210.45 GYD 236.51 GYD 239.54

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		
					September 2018	October 2018	November 2018
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 64.6157	HTG 69.9774	HTG 72.2672	HTG 74.6114
		V, M	EUR 1 =	HTG 73.3598	HTG 81.0058	HTG 81.7920	HTG 84.7511
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 23.4928	HNL 24.0568	HNL 24.1075	HNL 24.3041
		S	USD 1 =	HNL 23.6573	HNL 24.2252	HNL 24.2763	HNL 24.4742
		V, B	EUR 1 =	HNL 26.7110	HNL 27.8482	HNL 27.2849	HNL 27.6070
		V, S	EUR 1 =	HNL 26.8980	HNL 28.0431	HNL 27.4759	HNL 27.8002
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.77531	HKD 7.80250	HKD 7.82550	HKD 7.80150
		S	USD 1 =	HKD 7.81201	HKD 7.84300	HKD 7.86620	HKD 7.84220
		B	EUR 1 =	HKD 8.82724	HKD 9.05894	HKD 8.86294	HKD 8.84234
		S	EUR 1 =	HKD 8.89458	HKD 9.12666	HKD 8.94936	HKD 8.92866
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 274.27	HUF 278.76	HUF 286.40	HUF 284.54
		M	EUR 1 =	HUF 309.34	HUF 323.78	HUF 324.69	HUF 323.55
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 106.265	ISK 110.80	ISK 121.14	ISK 122.36
		S	USD 1 =	ISK 106.775	ISK 111.32	ISK 121.72	ISK 122.94
		B	EUR 1 =	ISK 120.20	ISK 128.34	ISK 137.32	ISK 139.01
		S	EUR 1 =	ISK 120.87	ISK 129.06	ISK 138.08	ISK 139.79
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	M	USD 1 =	INR 65.0330	INR 72.5474	INR 73.9936	INR 69.6574
		M	EUR 1 =	INR 73.7760	INR 84.4428	INR 83.9250	INR 79.3588
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 13,318.29	IDR 14,854.00	IDR 15,151.00	IDR 14,267.00
		S	USD 1 =	IDR 13,452.46	IDR 15,004.00	IDR 15,303.00	IDR 14,411.00
		B	EUR 1 =	IDR 15,112.80	IDR 17,300.45	IDR 17,191.84	IDR 16,252.97
		S	EUR 1 =	IDR 15,268.86	IDR 17,476.66	IDR 17,365.84	IDR 16,419.89
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 33,384	IRR 42,000 ¹	IRR 42,000 ¹	IRR 42,000 ¹
		M	EUR 1 =	IRR 37,982	IRR 48,754 ¹	IRR 47,633 ¹	IRR 47,813 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			
					September 2018	October 2018	November 2018	
Iraq ¹								
Baghdad 612	Iraqi dinar = 1,000 fils	2	B	USD 1 =	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00
			S	USD 1 =	IQD 1,184.00	IQD 1,190.00	IQD 1,190.00	IQD 1,190.00
		B	B	EUR 1 =	IQD 1,342.547	IQD 1,368.283	IQD 1,337.788	IQD 1,345.943
			S	EUR 1 =	IQD 1,343.218	IQD 1,377.544	IQD 1,346.842	IQD 1,355.053
		3	B	USD 1 =	IQD 1,247.67	IQD 1,198.00	IQD 1,200.00	IQD 1,193.94
			S	USD 1 =	IQD 1,252.42	IQD 1,203.00	IQD 1,204.00	IQD 1,193.97
		V, B	B	EUR 1 =	IQD 1,418.50	IQD 1,386.80	IQD 1,358.16	IQD 1,356.20
			V, S	EUR 1 =	IQD 1,423.89	IQD 1,392.59	IQD 1,362.69	IQD 1,356.23
	IQD							
Ireland								
Dublin 007	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
Israel								
Jerusalem 624	New shekel = 100 agorot ILS		M	USD 1 =	ILS 3.5998	ILS 3.6270	ILS 3.7210	ILS 3.7010
			M	EUR 1 =	ILS 4.0577	ILS 4.2156	ILS 4.2114	ILS 4.2109
Italy								
Rome 005	Euro = 100 cent EUR		M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
Jamaica								
Kingston 464	Jamaican dollar = 100 cents JMD	B	S	USD 1 =	JMD 127.2698	JMD 134.0220	JMD 127.4969	JMD 125.7950
			S	USD 1 =	JMD 128.2787	JMD 135.0646	JMD 128.6277	JMD 127.6144
		B	B	EUR 1 =	JMD 139.75475	JMD 151.2417	JMD 145.3421	JMD 136.9915
			S	EUR 1 =	JMD 145.69698	JMD 160.9937	JMD 146.6720	JMD 145.8231
Japan								
Tokyo 732	Japanese yen = 100 sen JPY	B	S	USD 1 =	JPY 111.19	JPY 112.57	JPY 112.26	JPY 112.47
			S	USD 1 =	JPY 113.19	JPY 114.57	JPY 114.26	JPY 114.47
		B	B	EUR 1 =	JPY 125.72	JPY 130.64	JPY 126.93	JPY 127.69
			S	EUR 1 =	JPY 128.72	JPY 133.64	JPY 129.93	JPY 130.69
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	B	EUR 1 =	JOD 0.80258	JOD 0.81916	JOD 0.80153	JOD 0.80351
			S	EUR 1 =	JOD 0.80892	JOD 0.82722	JOD 0.80663	JOD 0.80919
Kazakhstan								
Astana 079	Tenge = 100 tiyn KZT		M	USD 1 =	KZT 325.56	KZT 363.07	KZT 368.55	KZT 371.28
			M	EUR 1 =	KZT 368.95	KZT 420.91	KZT 418.71	KZT 422.18

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			
					September 2018	October 2018	November 2018	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 103.2972	KES 100.8556	KES 101.7472	KES 102.4444	
		S	USD 1 =	KES 103.4963	KES 101.0556	KES 101.9472	KES 102.6444	
	KES	B	EUR 1 =	KES 117.2709	KES 117.7489	KES 115.4794	KES 116.6589	
		S	EUR 1 =	KES 117.5243	KES 118.0167	KES 115.7411	KES 116.9094	
	Korea, Democratic People's Republic of							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 106.94	KPW 105.11 ²	KPW 107.12 ²	KPW 106.84 ²
S			USD 1 =	KPW 107.74	KPW 106.16 ²	KPW 108.19 ²	KPW 107.91 ²	
KPW		B	EUR 1 =	KPW 121.63	KPW 123.66 ²	KPW 121.20 ²	KPW 121.45 ²	
		S	EUR 1 =	KPW 122.55	KPW 124.89 ²	KPW 122.41 ²	KPW 122.66 ²	
Korea, Republic of								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,119.94	KRW 1,100.20	KRW 1,129.40	KRW 1,111.10
	S		USD 1 =	KRW 1,142.01	KRW 1,121.80	KRW 1,151.60	KRW 1,132.90	
	KRW	B	EUR 1 =	KRW 1,263.62	KRW 1,274.45	KRW 1,279.72	KRW 1,262.74	
		S	EUR 1 =	KRW 1,289.14	KRW 1,300.19	KRW 1,305.56	KRW 1,288.24	
	Kuwait							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30189	KWD 0.30120	KWD 0.30265	KWD 0.30245
S			USD 1 =	KWD 0.30541	KWD 0.30480	KWD 0.30625	KWD 0.30605	
KWD		B	EUR 1 =	KWD 0.343073	KWD 0.348835	KWD 0.342448	KWD 0.343750	
		S	EUR 1 =	KWD 0.347083	KWD 0.353004	KWD 0.346522	KWD 0.347841	
Kyrgyzstan								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 68.8641	KGS 69.2773	KGS 69.6839	KGS 69.8475
	M		EUR 1 =	KGS 77.9234	KGS 80.4379	KGS 79.2863	KGS 79.4376	
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 8,233	LAK 8,505	LAK 8,532	LAK 8,536	
		S	USD 1 =	LAK 8,270	LAK 8,518	LAK 8,545	LAK 8,549	
	LAK	B	EUR 1 =	LAK 9,297	LAK 9,886	LAK 9,689	LAK 9,720	
		S	EUR 1 =	LAK 9,342	LAK 9,932	LAK 9,734	LAK 9,766	
	Latvia							
	Riga 054	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
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 1,750.81	LBP 1,710.41	LBP 1,714.33	
Lesotho ¹								
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 13.2590	LSL 14.1631	LSL 14.8247	LSL 13.7346	
		M	EUR 1 =	LSL 15.0639	LSL 16.4051	LSL 16.7837	LSL 15.6121	

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		
					September 2018	October 2018	November 2018
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 113.16	LRD 155.3112	LRD 156.6947	LRD 157.3990
		S	USD 1 =	LRD 113.99	LRD 155.6021	LRD 157.5689	LRD 158.3633
	LRD	V, B	EUR 1 =	LRD 129.0176	LRD 179.7882	LRD 177.3471	LRD 178.7895
V, S		EUR 1 =	LRD 129.9491	LRD 180.1250	LRD 178.3365	LRD 179.8849	
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3869	LYD 1.3807	LYD 1.3953	LYD 1.3920
		S	USD 1 =	LYD 1.3939	LYD 1.3876	LYD 1.4022	LYD 1.3990
	LYD	B	EUR 1 =	LYD 1.5734	LYD 1.6022	LYD 1.5824	LYD 1.5846
		S	EUR 1 =	LYD 1.5813	LYD 1.6103	LYD 1.5904	LYD 1.5926
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0180	MOP 8.0540	MOP 8.0759	MOP 8.0514
		S	USD 1 =	MOP 8.0500	MOP 8.0765	MOP 8.0984	MOP 8.0739
	MOP	B	EUR 1 =	MOP 9.0916	MOP 9.3266	MOP 9.1640	MOP 9.1479
		S	EUR 1 =	MOP 9.1708	MOP 9.3651	MOP 9.2025	MOP 9.1864
Macedonia, former Yugoslav Republic of							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 54.2664	MKD 52.8562	MKD 53.8054	MKD 53.7341
		S	USD 1 =	MKD 54.8118	MKD 53.3874	MKD 54.3462	MKD 54.2741
	MKD	B	EUR 1 =	MKD 61.2696	MKD 61.1863	MKD 61.1875	MKD 61.1870
S		EUR 1 =	MKD 61.8854	MKD 61.8013	MKD 61.8025	MKD 61.8020	
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,115.86	MGA 3,431.07	MGA 3,537.38	MGA 3,631.83
		M	EUR 1 =	MGA 3,519.24	MGA 3,988.36	MGA 4,006.71	MGA 4,125.51
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 716.5933	MWK 718.3478	MWK 719.9265	MWK 722.9756
		S	USD 1 =	MWK 734.6611	MWK 736.2392	MWK 738.1525	MWK 741.8722
	MWK	B	EUR 1 =	MWK 813.8638	MWK 836.5160	MWK 816.5406	MWK 823.6861
		S	EUR 1 =	MWK 834.4058	MWK 857.3506	MWK 837.2126	MWK 845.2150

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		
					September 2018	October 2018	November 2018
Malaysia							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.2297	MYR 4.0827	MYR 4.1207	MYR 4.1225
		S	USD 1 =	MYR 4.3546	MYR 4.2063	MYR 4.2453	MYR 4.2515
	MYR	B	EUR 1 =	MYR 4.7680	MYR 4.7392	MYR 4.6622	MYR 4.6730
		S	EUR 1 =	MYR 4.9557	MYR 4.9090	MYR 4.8292	MYR 4.8657
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.40	MVR 15.40	MVR 15.40	MVR 15.41
		V, M	EUR 1 =	MVR 17.51518	MVR 17.82704	MVR 17.42972	MVR 17.50422
Mali ¹							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 566.653	XOF 579.570	XOF 577.478
		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 1.1576	USD 1.1318	USD 1.1359
Mauritania ¹							
Nouakchott 228	Ouguiya = 5 khoums MRO/MRU	B	USD 1 =	MRO 355.54	MRU 35.63	MRU 35.75	MRU 36.40
		S	USD 1 =	MRO 359.10	MRU 35.99	MRU 36.11	MRU 36.76
	MRO/MRU	B	EUR 1 =	MRO 403.76	MRU 41.75	MRU 40.54	MRU 41.34
		S	EUR 1 =	MRO 407.81	MRU 42.16	MRU 40.94	MRU 41.75
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 33.9185	MUR 33.9444	MUR 34.2693	MUR 34.0253
		S	USD 1 =	MUR 35.2060	MUR 34.8436	MUR 35.1686	MUR 34.9243
	MUR	B	EUR 1 =	MUR 38.4576	MUR 39.4044	MUR 38.7447	MUR 38.6385
		S	EUR 1 =	MUR 39.9209	MUR 40.5391	MUR 39.8544	MUR 39.7499
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 18.9464	MXN 18.7105	MXN 20.2925	MXN 20.4455
		S	USD 1 =	MXN 18.9525	MXN 18.7175	MXN 20.3000	MXN 20.4530
	MXN	V, B	EUR 1 =	MXN 21.4381	MXN 21.6593	MXN 22.9671	MXN 23.2240
		V, S	EUR 1 =	MXN 21.4449	MXN 21.6674	MXN 22.9755	MXN 23.2326
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 18.4407	MDL 16.8637	MDL 17.1326	MDL 17.2336
		M	EUR 1 =	MDL 20.8089	MDL 19.7618	MDL 19.4412	MDL 19.5868
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,434.27	MNT 2,552.13	MNT 2,564.44	MNT 2,627.04
		M	EUR 1 =	MNT 2,765.21	MNT 2,965.19	MNT 2,909.87	MNT 2,988.26

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		
					September 2018	October 2018	November 2018
Morocco							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.6776	MAD 9.4510	MAD 9.5646	MAD 9.4942
		M	EUR 1 =	MAD 10.9408	MAD 10.9414	MAD 10.8453	MAD 10.8025
Mozambique							
Maputo 366	Metical = 100 centavos MZN	B	USD 1 =	MZN 62.69	MZN 60.04	MZN 60.02	MZN 60.86
		S	USD 1 =	MZN 63.59	MZN 61.24	MZN 61.21	MZN 62.07
		B	EUR 1 =	MZN 71.05	MZN 69.72	MZN 68.36	MZN 69.29
		S	EUR 1 =	MZN 72.10	MZN 71.11	MZN 69.72	MZN 70.67
Myanmar							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,361.00	MMK 1,560.00	MMK 1,560.00	MMK 1,573.00
		M	EUR 1 =	MMK 1,545.65	MMK 1,816.30	MMK 1,769.50	MMK 1,792.20
Namibia ¹							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 13.2812	NAD 14.1054	NAD 14.6484	NAD 13.6672
		M	EUR 1 =	NAD 15.0846	NAD 16.4290	NAD 16.6114	NAD 15.5662
Nepal							
Kathmandu 672	Nepalese rupee = 100 paisa NPR	B	USD 1 =	NPR 103.63	NPR 115.68	NPR 117.59	NPR 111.45
		S	USD 1 =	NPR 104.23	NPR 116.28	NPR 118.19	NPR 112.05
		B	EUR 1 =	NPR 117.79	NPR 135.42	NPR 133.49	NPR 126.54
		S	EUR 1 =	NPR 118.47	NPR 136.12	NPR 134.17	NPR 127.22
Netherlands							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
New Caledonia ¹							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.47	USD 9.70	USD 9.48	USD 9.52
		Z	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 0.6751	USD 0.6695	USD 0.7011
		S	NZD 1 =	USD 0.7005	USD 0.6507	USD 0.6453	USD 0.6760
		B	NZD 1 =	EUR 0.6438	EUR 0.5820	EUR 0.5922	EUR 0.6174
		S	NZD 1 =	EUR 0.6162	EUR 0.5567	EUR 0.5663	EUR 0.5907

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		
					September 2018	October 2018	November 2018
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 30.1098	NIO 31.9353	NIO 32.0679	NIO 32.1968
		V, M	EUR 1 =	NIO 34.25529	NIO 36.96830	NIO 36.29445	NIO 36.57235
Niger 1							
Niamey 240	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 566.653	XOF 579.570	XOF 577.478
		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 305.35	NGN 305.60	NGN 305.80
		S	USD 1 =	NGN 305.80	NGN 306.35	NGN 306.60	NGN 306.80
	B	EUR 1 =	NGN 344.9384	NGN 353.5953	NGN 346.0003	NGN 347.5417	
	S	EUR 1 =	NGN 346.0701	NGN 354.7533	NGN 347.1325	NGN 348.6782	
Norway							
Oslo 028	Norwegian krone = 100 øre NOK	B	USD 1 =	NOK 8.2324	NOK 8.1231	NOK 8.3741	NOK 8.5188
		S	USD 1 =	NOK 8.2974	NOK 8.1881	NOK 8.4391	NOK 8.5838
	B	EUR 1 =	NOK 9.3304	NOK 9.4469	NOK 9.5051	NOK 9.6958	
	S	EUR 1 =	NOK 9.4024	NOK 9.5189	NOK 9.5771	NOK 9.7678	
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 0.4455552	OMR 0.4355328	OMR 0.4369152	
	S	EUR 1 =	OMR 0.4371226	OMR 0.4467925	OMR 0.4367440	OMR 0.4381300	
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B	USD 1 =	PKR 105.31	PKR 124.10	PKR 132.20	PKR 133.70
		S	USD 1 =	PKR 105.51	PKR 124.30	PKR 132.40	PKR 133.90
	B	EUR 1 =	PKR 119.11	PKR 144.59	PKR 150.00	PKR 152.58	
	S	EUR 1 =	PKR 119.33	PKR 144.82	PKR 150.23	PKR 152.80	
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 1.1576	PAB 1.1318	PAB 1.1359
Papua New Guinea							
Port Moresby 801	Kina = 100 toea PGK	B	PGK 1 =	USD 0.3209	USD 0.3075	USD 0.3055	USD 0.3045
		S	PGK 1 =	USD 0.3059	USD 0.2925	USD 0.2905	USD 0.2895
	B	PGK 1 =	EUR 0.2814	EUR 0.2614	EUR 0.2661	EUR 0.2642	
	S	PGK 1 =	EUR 0.2666	EUR 0.2464	EUR 0.2511	EUR 0.2492	

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		
					September 2018	October 2018	November 2018
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,610.78	PYG 5,889.89	PYG 5,985.66	PYG 5,925.29
		S	USD 1 =	PYG 5,620.67	PYG 5,900.90	PYG 6,001.44	PYG 5,940.91
	PYG	V, B	EUR 1 =	PYG 6,335.38	PYG 6,818.14	PYG 6,774.57	PYG 6,730.54
V, S		EUR 1 =	PYG 6,346.64	PYG 6,830.88	PYG 6,792.43	PYG 6,748.28	
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.256	PEN 3.298	PEN 3.364	PEN 3.378
		S	USD 1 =	PEN 3.260	PEN 3.302	PEN 3.367	PEN 3.382
	PEN	B	EUR 1 =	PEN 3.592	PEN 3.795	PEN 3.743	PEN 3.769
		S	EUR 1 =	PEN 3.785	PEN 3.950	PEN 3.909	PEN 3.997
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 49.83022	PHP 53.85	PHP 53.25	PHP 52.25
		S	USD 1 =	PHP 50.92312	PHP 54.35	PHP 53.75	PHP 52.75
	PHP	B	EUR 1 =	PHP 56.30315	PHP 61.0499	PHP 58.8068	PHP 57.4077
		S	EUR 1 =	PHP 58.50222	PHP 64.5698	PHP 62.2065	PHP 60.7541
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.7782	PLN 3.6754	PLN 3.8203	PLN 3.7731
		M	EUR 1 =	PLN 4.2447	PLN 4.2714	PLN 4.3313	PLN 4.2904
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
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 4.214	QAR 4.120	QAR 4.135
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.0517	RON 4.0210	RON 4.1141	RON 4.1008
		M	EUR 1 =	RON 4.5732	RON 4.6637	RON 4.6668	RON 4.6560
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 58.3063	RUB 65.5906	RUB 65.7742	RUB 66.6342
		M	EUR 1 =	RUB 66.0327	RUB 76.2294	RUB 74.7918	RUB 75.8897

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		
					September 2018	October 2018	November 2018
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 823.772078	RWF 860.646543	RWF 864.731265	RWF 868.062701
		S	USD 1 =	RWF 840.245856	RWF 877.857735	RWF 882.024143	RWF 885.422201
	RWF	B	EUR 1 =	RWF 931.843275	RWF 1,001.362253	RWF 980.691727	RWF 988.983835
		S	EUR 1 =	RWF 950.478377	RWF 1,021.387475	RWF 1,000.303581	RWF 1,008.761514
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound ² = 100 pence SHP	V	USD 1 =	SHP 0.77602	SHP 0.76650	SHP 0.78524	SHP 0.78412
		V	EUR 1 =	SHP 0.87667	SHP 0.88730	SHP 0.88873	SHP 0.89068
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 3.1119	XCD 3.0425	XCD 3.0535
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1451	XCD 3.0750	XCD 3.0861
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 3.1119	XCD 3.0425	XCD 3.0535
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1451	XCD 3.0750	XCD 3.0861
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 3.1119	XCD 3.0425	XCD 3.0535
		V, S	EUR 1 =	XCD 3.0693	XCD 3.1451	XCD 3.0750	XCD 3.0861
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.39587	USD 0.38114	USD 0.37791	USD 0.38610
		M	WST 1 =	EUR 0.34869	EUR 0.32709	EUR 0.33159	EUR 0.33956
Sao Tome and Principe ¹							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STD 21,626.08	STN 20.9277	STN 21.5441	STN 21.5158
		S	USD 1 =	STD 21,950.48	STN 21.2416	STN 21.8673	STN 21.8385
	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 4.2283	SAR 4.1329	SAR 4.1219
		S	EUR 1 =	SAR 4.4035	SAR 4.4768	SAR 4.3747	SAR 4.3639

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		
					September 2018	October 2018	November 2018
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 580.647	XOF 566.653	XOF 579.570	XOF 577.478
	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 101.3848	RSD 103.9810	RSD 103.5689
		S	USD 1 =	RSD 107.8764	RSD 101.9950	RSD 104.6068	RSD 104.1921
	RSD	B	EUR 1 =	RSD 120.9447	RSD 118.0626	RSD 117.9664	RSD 117.9649
		S	EUR 1 =	RSD 121.6725	RSD 118.7732	RSD 118.6764	RSD 118.6749
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.3550	SCR 13.7476	SCR 13.8501	SCR 13.7699
		S	USD 1 =	SCR 13.8521	SCR 14.0861	SCR 14.1094	SCR 14.1679
	SCR	B	EUR 1 =	SCR 15.3492	SCR 16.0177	SCR 15.5565	SCR 15.9559
		S	EUR 1 =	SCR 15.7331	SCR 16.4601	SCR 16.0756	SCR 16.1444
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 7,318.43	SLL 8,177.84	SLL 8,226.55	SLL 8,295.59
		S	USD 1 =	SLL 7,466.27	SLL 8,343.05	SLL 8,392.74	SLL 8,463.18
	SLL	B	EUR 1 =	SLL 8,256.54	SLL 9,507.83	SLL 9,338.31	SLL 9,449.09
		S	EUR 1 =	SLL 8,419.66	SLL 9,697.94	SLL 9,527.40	SLL 9,633.76
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3783	SGD 1.3671	SGD 1.3865	SGD 1.3705
		M	EUR 1 =	SGD 1.5603	SGD 1.5923	SGD 1.5724	SGD 1.5616
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 206.28	ANG 202.15	ANG 202.63
		S	EUR 100 =	ANG 206.55	ANG 210.44	ANG 206.22	ANG 206.71
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1269	USD 0.1236	USD 0.1230	USD 0.1240
		M	SBD 1 =	EUR 0.1118	EUR 0.1057	EUR 0.1083	EUR 0.1090

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		
					September 2018	October 2018	November 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 13.9775	ZAR 14.6088	ZAR 13.5513
		S	USD 1 =	ZAR 13.4265	ZAR 14.2950	ZAR 14.9263	ZAR 13.8688
	ZAR	B	EUR 1 =	ZAR 14.8599	ZAR 16.1652	ZAR 16.5126	ZAR 15.3676
		S	EUR 1 =	ZAR 15.2931	ZAR 16.5989	ZAR 16.9437	ZAR 15.8018
South Sudan							
Juba 225	South Sudanese pound = 100 piastres SSP	M	USD 1 =	SSP .	SSP 149.5271	SSP 150.0031	SSP 151.8389
		M	EUR 1 =	SSP .	SSP 175.0739	SSP 171.1687	SSP 172.7396
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1297	USD 1.1576	USD 1.1318	USD 1.1359
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 150.64	LKR 166.9834	LKR 172.3605	LKR 177.4980
		S	USD 1 =	LKR 154.44	LKR 170.8572	LKR 176.2547	LKR 181.4620
	LKR	B	EUR 1 =	LKR 169.32	LKR 193.2234	LKR 194.2662	LKR 200.9307
		S	EUR 1 =	LKR 175.72	LKR 200.2569	LKR 201.2831	LKR 208.1062
Sudan ¹							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 6.6943	SDG 17.9551	SDG 47.5000 ¹	SDG 47.5000
		S	USD 1 =	SDG 6.7277	SDG 18.0449	SDG 47.7375 ¹	SDG 47.7375
	SDG	B	EUR 1 =	SDG 7.5997	SDG 20.8279	SDG 53.8717 ¹	SDG 54.0954
		S	EUR 1 =	SDG 7.6377	SDG 20.9321	SDG 54.1410 ¹	SDG 54.3659
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 8.648	SRD 8.401	SRD 8.412
		S	EUR 1 =	SRD 8.549	SRD 8.783	SRD 8.532	SRD 8.543
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.4983	SEK 8.8048	SEK 9.1123	SEK 9.0363
		S	USD 1 =	SEK 8.5752	SEK 8.9098	SEK 9.2173	SEK 9.1413
	SEK	B	EUR 1 =	SEK 9.6147	SEK 10.2370	SEK 10.3464	SEK 10.2856
		S	EUR 1 =	SEK 9.6820	SEK 10.3520	SEK 10.4614	SEK 10.4006

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		
					September 2018	October 2018	November 2018
Switzerland							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9845	CHF 0.9773	CHF 1.0059	CHF 0.9960
		B	EUR 1 =	CHF 1.1159	CHF 1.1349	CHF 1.1403	CHF 1.1327
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 503.59	SYP 494.41	SYP 492.11
		S	EUR 1 =	SYP 571.52	SYP 508.63	SYP 499.36	SYP 497.03
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 8.5691	TJS 9.4191	TJS 9.4224	TJS 9.4204
		M	EUR 1 =	TJS 9.7117	TJS 10.9083	TJS 10.7189	TJS 10.7166
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 2,266.1287	TZS 2,268.1386	TZS 2,267.4356
		S	USD 1 =	TZS 2,241.4192	TZS 2,288.7900	TZS 2,290.8200	TZS 2,290.1100
		B	EUR 1 =	TZS 2,518.7227	TZS 2,646.6117	TZS 2,579.3272	TZS 2,579.8883
		S	EUR 1 =	TZS 2,544.4141	TZS 2,673.7645	TZS 2,605.8078	TZS 2,606.6032
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 33.7097	THB 32.2364	THB 33.0986	THB 32.7537
		S	USD 1 =	THB 34.0454	THB 32.5767	THB 33.4442	THB 33.0818
		B	EUR 1 =	THB 37.9823	THB 37.3504	THB 37.3472	THB 37.1154
		S	EUR 1 =	THB 38.7106	THB 38.0908	THB 38.1104	THB 37.8373
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 580.647	XOF 566.653	XOF 579.570	XOF 577.478
		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 0.4391	USD 0.4374	USD 0.4447
		M	TOP 1 =	EUR 0.3994	EUR 0.3761	EUR 0.3847	EUR 0.3900
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7186	TTD 6.7481	TTD 6.7310	TTD 6.7464
		S	USD 1 =	TTD 6.7697	TTD 6.7564	TTD 6.7552	TTD 6.7679
		B	EUR 1 =	TTD 7.5960	TTD 7.7574	TTD 7.7741	TTD 7.5933
		S	EUR 1 =	TTD 8.0842	TTD 8.3461	TTD 8.0845	TTD 8.2013

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p. 53. ¹ See Explanatory notes on individual countries, pp. 57 ff. ² 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		
					September 2018	October 2018	November 2018
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.3900	TND 2.8030	TND 2.8822	TND 2.9377
			USD 1 =	TND 2.3923	TND 2.8059	TND 2.8850	TND 2.9407
	TND	B S	EUR 1 =	TND 2.7074	TND 3.2479	TND 3.2629	TND 3.3395
			EUR 1 =	TND 2.7101	TND 3.2512	TND 3.2662	TND 3.3428
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 3.6476	TRY 6.0752	TRY 5.5203	TRY 5.1649
			USD 1 =	TRY 3.6542	TRY 6.0862	TRY 5.5303	TRY 5.1742
	TRY	B S	EUR 1 =	TRY 4.1462	TRY 7.1130	TRY 6.2734	TRY 5.8737
			EUR 1 =	TRY 4.1536	TRY 7.1258	TRY 6.2847	TRY 5.8843
Turkmenistan ¹							
Ashgabat 080	Turkmen manat = 100 tenge	2 M	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
			EUR 1 =	TMT 3.9611	TMT 4.0600	TMT 3.9799	TMT 3.9795
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,608.23	UGX 3,815.67	UGX 3,755.29	UGX 3,723.21
			USD 1 =	UGX 3,618.23	UGX 3,825.67	UGX 3,765.29	UGX 3,733.21
	UGX	B S	EUR 1 =	UGX 4,100.48	UGX 4,483.22	UGX 4,277.10	UGX 4,198.48
			EUR 1 =	UGX 4,111.84	UGX 4,494.97	UGX 4,288.49	UGX 4,209.75
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok	M	USD 100 =	UAH 2,659.3613	UAH 2,829.8262	UAH 2,816.4437	UAH 2,839.0932
			EUR 100 =	UAH 3,005.3131	UAH 3,312.8775	UAH 3,202.8598	UAH 3,232.8754
United Arab Emirates ¹							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils	2 V, M	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
			EUR 1 =	AED 4.1758	AED 4.2513	AED 4.1565	AED 4.1716
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M	GBP 1 =	USD 1.2889	USD 1.3041	USD 1.2779	USD 1.2760
			EUR 1 =	GBP 0.8752	GBP 0.8907	GBP 0.8868	GBP 0.8876
United States							
Washington 400	US dollar = 100 cents	M	EUR 1 =	USD 1.13912	USD 1.1608	USD 1.1310	USD 1.1315
			GBP 1 =	USD 1.28919	USD 1.3028	USD 1.2765	USD 1.2751

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		
					September 2018	October 2018	November 2018
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 28.654	UYU 33.214	UYU 32.827	UYU 32.181
		M	EUR 1 =	UYU 32.4147	UYU 38.5631	UYU 37.1585	UYU 36.4160
Uzbekistan							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 5,178.37	UZS 8,079.28	UZS 8,236.87	UZS 8,299.20
		M	EUR 1 =	UZS 5,929.90	UZS 9,492.35	UZS 9,390.86	UZS 9,411.29
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 107.34	VUV 110.50	VUV 111.64	VUV 109.57
		S	USD 1 =	VUV 113.30	VUV 117.85	VUV 119.06	VUV 116.87
		B	EUR 1 =	VUV 122.09	VUV 129.68	VUV 127.71	VUV 125.90
		S	EUR 1 =	VUV 126.89	VUV 135.06	VUV 133.00	VUV 131.13
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar/Bolívar Soberano = 100 céntimos VEF/VES	B	USD 1 =	VEF 3,011.2031 ²	VES 62.01458	VES 64.57815	VES 151.26090 ¹
		S	USD 1 =	VEF 3,018.7500 ²	VES 62.17000	VES 64.74000	VES 151.64000 ¹
		B	EUR 1 =	VEF 3,538.5111 ²	VES 72.09194	VES 73.16704	VES 171.21221 ¹
		S	EUR 1 =	VEF 3,548.2131 ²	VES 72.28506	VES 73.35689	VES 171.67164 ¹
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 22,683	VND 23,290	VND 23,300	VND 23,275
		S	USD 1 =	VND 22,753	VND 23,370	VND 23,390	VND 23,365
		B	EUR 1 =	VND 25,686.74	VND 27,024.04	VND 26,338.37	VND 26,419.25
		S	EUR 1 =	VND 26,004.35	VND 27,295.49	VND 27,154.08	VND 26,838.89
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 290.24	YER 283.48	YER 284.70
		S	EUR 1 =	YER 284.37	YER 290.82	YER 284.04	YER 285.27
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 9.5295	ZMW 12.2638	ZMW 11.7811	ZMW 11.9215
		S	USD 1 =	ZMW 9.5789	ZMW 12.3138	ZMW 11.8311	ZMW 11.9715
		B	EUR 1 =	ZMW 10.8184	ZMW 14.1941	ZMW 13.3338	ZMW 13.5499
		S	EUR 1 =	ZMW 10.8767	ZMW 14.2569	ZMW 13.3975	ZMW 13.6104

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 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
Oct.	1.38213	1.22118	9.63577	156.512	1.08198	1.81639	1.38945	9.11170	11.6657	12.6669
Nov.	1.38323	1.21773	9.60412	156.899	1.08446	1.83983	1.38053	9.08694	11.8607	12.5719

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 Sep.	4	1.39499	1.20653	9.52862	154.955	1.08779	1.83887	1.35844	8.99418	11.7239	12.7168
	5	1.39634	1.20561	9.55374	155.691	1.08880	1.84107	1.35975	8.98893	11.7528	12.7427
	6	1.39902	1.20253	9.56627	155.641	1.08166	1.84503	1.35614	8.96692	11.7560	12.7122
	7	1.39998	1.20532	9.57203	154.697	1.07525	1.84293	1.35175	8.98925	11.7814	12.7234
	10	1.39652	1.20691	9.57946	154.930	1.07998	1.83824	1.35951	9.00098	11.7107	12.6324
	11	1.39702	1.20703	9.58607	155.698	1.07331	1.83583	1.36070	9.00382	11.6829	12.6032
	12	1.39662	1.20554	9.59472	155.793	1.07564	.	1.35954	8.99256	11.6127	12.6538
	13	1.39979	1.20464	9.58782	155.964	1.07169	1.81930	1.35724	8.98610	11.5320	12.5814
	14	1.40270	1.20002	9.60541	157.172	1.06917	1.82814	1.35248	8.95159	11.5495	12.5920
	17	1.40050	1.19998	9.62029	.	1.06851	1.82330	1.35022	8.95111	11.4743	12.6573
	18	1.40129	1.19800	9.61733	156.665	1.06652	1.82056	1.34791	8.93735	11.4376	12.4677
	19	1.40222	1.20187	9.60929	157.539	1.06358	1.81545	1.35784	8.96547	11.4742	12.4406
	20	1.40409	1.19304	9.62279	157.721	1.06109	1.81197	1.35502	8.89909	11.4395	12.4359
	21	1.40515	1.19496	9.61224	158.361	1.06540	1.81490	1.34431	8.91401	11.4469	12.3208
	24	1.40430	1.19281	.	.	1.06954	1.81646	1.34679	8.89806	11.4144	12.3572
	25	1.40397	1.19213	9.64116	158.578	1.06733	1.81785	1.35644	8.89284	11.4102	12.3215
	26	1.40317	1.19551	9.64888	158.446	1.06742	1.82061	1.35890	8.91663	11.4130	.
	27	1.40205	1.19762	9.64209	158.194	1.06709	1.82898	1.36041	8.93320	11.3792	12.3915
	28	1.39525	1.20530	9.60126	158.319	1.06990	.	1.36232	8.98723	11.4099	12.3582
Oct.	1	1.39578	1.20264	.	158.979	1.07046	1.78702	1.37170	8.96652	11.3607	12.4372
	2	1.39155	1.20554	.	158.553	1.07481	1.78355	1.37005	8.98860	11.3794	12.5089
	3	1.39322	1.20646	.	158.269	1.07327	1.78778	1.37539	8.99612	11.3942	12.5108
	4	1.39031	1.20876	.	159.052	1.07091	1.79350	1.37842	9.01339	11.4400	12.5745
	5	1.39118	1.20909	.	158.720	1.06706	.	1.38256	9.01843	11.5024	12.6148
	9	1.38940	1.21504	9.62010	157.002	1.06459	1.80136	1.38176	9.06323	11.5326	12.6617
	10	1.39242	1.21080	9.63419	157.400	1.05783	1.80904	1.38101	9.03269	11.4382	12.6647
	11	1.39648	1.20646	9.67511	156.615	1.05738	1.82073	1.37916	9.00058	11.4690	12.6239
	12	1.39726	1.20724	9.66230	156.716	1.05697	1.82076	1.38524	9.00633	11.4296	12.5052
	15	1.39785	1.20702	9.68364	156.545	1.06107	1.81623	1.37730	9.00552	11.4182	12.5549
	16	1.39725	1.20587	9.66744	156.296	1.05704	1.80776	1.38041	8.99685	11.3590	12.4766
	17	1.39483	1.20974	9.66230	156.765	1.06216	1.81244	1.38500	9.02511	11.4070	12.4335
	18	1.39315	1.21091	9.66529	156.744	1.06113	1.81904	1.38250	9.03416	11.4549	12.5041
	19	1.39030	1.21212	9.63893	156.159	1.06696	1.82185	1.38481	9.04306	11.4568	12.5497
	22	1.39121	1.21038	9.64860	156.441	1.06794	1.82318	1.38731	9.02975	11.4608	12.4584
	23	1.39004	1.21104	9.64618	156.727	1.07037	1.82067	1.38413	9.03481	11.5113	12.5313
	24	1.38690	1.21776	9.62306	155.943	1.07362	1.80700	1.38254	9.08488	11.5526	12.5441
	25	1.38668	1.21468	9.63475	155.239	1.07536	1.81322	1.38557	9.06281	11.5271	12.6554
	26	1.38371	1.21966	9.60025	155.542	1.08178	1.81376	1.38474	9.09951	11.6062	12.6202
	29	1.38549	1.21737	9.63326	155.105	1.08013	1.81762	1.38479	9.08323	11.5809	12.6674
	30	1.38216	1.21541	9.62399	155.507	1.08482	1.81519	1.38576	9.06865	11.5992	12.6308
	31	1.38213	1.22118	9.63577	156.512	1.08198	1.81639	1.38945	9.11170	11.6657	12.6669
Nov.	1	1.38614	1.21666	9.63828	156.481	1.07324	1.81418	1.39030	9.07672	11.5765	12.5677
	2	1.39073	1.21812	9.59113	157.222	1.06807	1.82255	1.38676	9.08760	11.5896	12.5184
	5	1.38602	1.21902	9.60163	156.897	1.06588	1.81513	1.39475	9.09339	11.6099	12.5612
	6	1.38820	1.21474	9.61178	157.255	1.06229	1.82271	1.39396	9.06109	11.5944	12.5724
	7	1.39230	1.21206	9.64832	158.165	1.05798	1.82335	1.38666	9.04175	11.5544	12.5360
	8	1.38801	1.21499	9.61659	157.706	1.05923	1.82024	1.39238	9.06339	11.5520	12.4618
	9	1.38462	1.22036	9.61825	157.708	1.06296	1.82852	1.39278	9.10316	11.6443	12.5518
	12	1.37923	1.22435	9.60439	157.357	1.07179	.	1.39247	9.13325	11.6777	12.6069
	13	1.37942	1.22495	9.58975	156.840	1.06758	1.82649	1.39266	9.13977	11.7060	12.5798
	14	1.38052	1.22213	9.59435	157.268	1.06731	1.82711	1.39404	9.11968	11.7312	12.5674
	15	1.38167	1.22218	9.58561	156.972	1.07829	1.82408	1.38927	9.12018	11.7363	12.4956
	16	1.38232	1.21834	9.60753	156.756	1.07868	1.81831	1.39283	9.09099	11.7104	12.4991
	19	1.38666	1.21350	9.62251	156.374	1.08236	1.82790	1.38112	9.05576	11.7094	12.4791
	20	1.38745	1.21482	9.63224	156.088	1.07998	1.83962	1.37732	9.06585	11.8001	12.4823
	21	1.38559	1.21447	9.61945	156.419	1.08190	1.83867	1.37720	9.06199	11.8156	12.5653
	26	1.38442	1.21836	9.60513	156.786	1.07679	1.83159	1.37965	9.09041	11.8534	12.5144
	27	1.38109	1.21918	9.59914	156.754	1.08363	1.83533	1.38019	9.09728	11.8656	12.5787
	28	1.37967	1.22267	9.59748	157.006	1.07786	1.83523	1.37842	9.12301	11.8704	12.5757
	29	1.38331	1.21481	9.60615	156.687	1.08350	1.83634	1.37722	9.06520	11.8223	12.4889
	30	1.38323	1.21773	9.60412	156.899	1.08446	1.83983	1.38053	9.08694	11.8607	12.5719
Dec.	3	1.38250	1.22000	9.52599	156.914	1.08662	1.82366	1.38119	9.10390	11.8209	12.5004
	4	1.38752	1.21617	9.49785	157.609	1.08316	1.83417	1.38093	9.07581	11.7328	12.4616
	5	1.38513	1.21995	9.51321	156.520	1.08438	.	.	.	.	.
	6	1.38357	1.21890	9.52118	156.066	1.08549	1.85453	1.37990	9.09719	11.8267	12.4513
	7	1.38556	1.21850	9.53643	156.222	1.08501	1.84266	1.37524	9.09513	11.8158	12.4580
	10	1.38546	1.21265	9.56938	155.961	1.09449	1.85361	1.37036	9.05117	11.7488	12.5148

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-November 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
						KYD	Cayman Islands dollar	Cayman Islands
						KZT	Tenge	Kazakhstan
CAD	Canadian dollar	Canada	FJD	Fiji dollar	Fiji			
CDF	Congo franc	Congo, Democratic Republic of the	FKP	Falkland Islands pound	Falkland Islands (Islas Malvinas)	LAK	Kip	Lao People's Democratic Republic
CHF	Swiss franc	Switzerland Liechtenstein	GBP	Pound sterling	United Kingdom Guernsey Isle of Man Jersey	LBP	Lebanese pound	Lebanon
CLP	Chilean peso	Chile				LKR	Sri Lanka rupee	Sri Lanka
CNY	Chinese renminbi	China	GEL	Lari	Georgia	LRD	Liberian dollar	Liberia
COP	Colombian peso	Colombia	GHS	Ghana cedi	Ghana	LSL	Loti	Lesotho
CRC	Costa Rican colón	Costa Rica	GIP	Gibraltar pound	Gibraltar	LYD	Libyan dinar	Libya

* Extracted and compiled from ISO communications. 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 customary tender.

Burkina Faso

See Explanatory notes on Benin.

Cameroon

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

Central African Republic

See Explanatory notes on Cameroon.

Chad

See Explanatory notes on Cameroon.

Congo

See Explanatory notes on Cameroon.

Cook Islands

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

Côte d'Ivoire

See Explanatory notes on Benin.

Cuba

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

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

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

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

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

El Salvador

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

Equatorial Guinea

See Explanatory notes on Cameroon.

Eswatini

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

Gabon

See Explanatory notes on Cameroon.

Greece

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

Guinea-Bissau

See Explanatory notes on Benin.

India

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

Iran, Islamic Republic of

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

Central bank rate (see page 29)

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

NIMA rate

For other, non-specified goods imports and services. Access to the electronic platform NIMA is possible only for certain importers as well as exchange bureaux. On 29 November 2018, this exchange rate stood at 85,216.50 rials to the US dollar and 92,190.00 rials to the euro.

Bureau de change rate

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

fees abroad. At end-November 2018, this exchange rate stood at approximately 117,000 rials to the US dollar and 133,000 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 more than 360 naira to the US dollar at the end of November 2018.

Panama

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

Sao Tome and Principe

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

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

Senegal

See Explanatory notes on Benin.

Singapore

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

Somalia

No exchange rates are available for the Somali shilling.

Sudan

The Sudanese pound was devalued on 7 October 2018.

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

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

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

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

Togo

See Explanatory notes on Benin.

Turkmenistan

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

United Arab Emirates

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

United Kingdom

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

Venezuela, Bolivarian Republic of

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

In November 2018, the exchange rates were again significantly reset.

Calculated using the exchange rates as at the end of October and November 2018, the bolívar soberano experienced a devaluation of 57.3% against the euro and the US dollar.

Alongside the official, published exchange rates a black market is still in existence and according to financial infor-