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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	Data unknown, not to be published or not meaningful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 European 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
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 the 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
2017 Aug	1	1.9558	7.4090	26.132	7.4369	303.60	4.2563	4.5596
	2	1.9558	7.4063	26.128	7.4384	303.86	4.2540	4.5593
	3	1.9558	7.4063	25.965	7.4381	303.74	4.2526	4.5655
	4	1.9558	7.4070	26.068	7.4388	304.36	4.2410	4.5635
	7	1.9558	7.4035	26.116	7.4384	303.80	4.2518	4.5640
	8	1.9558	7.4005	26.150	7.4386	304.49	4.2554	4.5638
	9	1.9558	7.4028	26.160	7.4392	304.60	4.2670	4.5691
	10	1.9558	7.4008	26.157	7.4381	305.37	4.2717	4.5743
	11	1.9558	7.3982	26.155	7.4370	305.41	4.2888	4.5778
	14	1.9558	7.3945	26.118	7.4366	304.40	4.2816	4.5716
	15	1.9558	7.3933	26.142	7.4371	304.15	4.2791	4.5725
	16	1.9558	7.3935	26.044	7.4367	304.05	4.2749	4.5821
	17	1.9558	7.4042	26.012	7.4354	304.05	4.2575	4.5848
	18	1.9558	7.4020	26.108	7.4363	303.56	4.2807	4.5900
	21	1.9558	7.4053	26.086	7.4373	303.43	4.2738	4.5849
	22	1.9558	7.4045	26.083	7.4377	303.70	4.2818	4.5868
	23	1.9558	7.4068	26.124	7.4373	303.35	4.2848	4.5853
	24	1.9558	7.4140	26.098	7.4379	304.17	4.2754	4.5830
	25	1.9558	7.4140	26.084	7.4391	304.68	4.2598	4.5983
	28	1.9558	7.4145	26.102	7.4393	304.01	4.2581	4.5977
	29	1.9558	7.4155	26.142	7.4393	305.32	4.2676	4.5968
	30	1.9558	7.4135	26.045	7.4391	305.68	4.2598	4.5915
	31	1.9558	7.4148	26.101	7.4384	306.63	4.2582	4.5924
Sep	1	1.9558	7.4215	26.077	7.4378	305.09	4.2406	4.5963
	4	1.9558	7.4150	26.062	7.4371	306.02	4.2406	4.5962
	5	1.9558	7.4173	26.077	7.4381	306.39	4.2361	4.5965
	6	1.9558	7.4277	26.112	7.4393	306.17	4.2415	4.5986
	7	1.9558	7.4324	26.113	7.4392	305.69	4.2433	4.5980
	8	1.9558	7.4315	26.099	7.4402	306.46	4.2534	4.6008
	11	1.9558	7.4282	26.077	7.4397	306.28	4.2440	4.5987
	12	1.9558	7.4513	26.105	7.4400	307.11	4.2549	4.6018
	13	1.9558	7.4680	26.101	7.4404	308.02	4.2798	4.6013
	14	1.9558	7.4835	26.103	7.4399	308.28	4.2843	4.6017
	15	1.9558	7.4805	26.081	7.4409	308.91	4.2761	4.5999
	18	1.9558	7.4845	26.091	7.4416	309.87	4.2884	4.5993
	19	1.9558	7.4745	26.103	7.4414	308.85	4.2785	4.6004
	20	1.9558	7.4828	26.091	7.4412	308.34	4.2774	4.5993
	21	1.9558	7.4828	26.083	7.4407	310.61	4.2805	4.5988
	22	1.9558	7.4843	26.046	7.4407	309.73	4.2672	4.5967
	25	1.9558	7.4902	26.033	7.4402	310.25	4.2681	4.5988
	26	1.9558	7.4930	26.056	7.4404	310.77	4.2824	4.6013
	27	1.9558	7.4994	26.045	7.4414	311.15	4.3027	4.5986
	28	1.9558	7.4975	26.041	7.4402	311.06	4.3122	4.6003
	29	1.9558	7.4950	25.981	7.4423	310.67	4.3042	4.5993
Oct	2	1.9558	7.4970	25.995	7.4418	311.44	4.3132	4.5878
	3	1.9558	7.4975	25.932	7.4424	312.05	4.3102	4.5910
	4	1.9558	7.5051	25.886	7.4427	311.20	4.2971	4.5808
	5	1.9558	7.5055	25.837	7.4424	311.42	4.3000	4.5750
	6	1.9558	7.5055	25.816	7.4427	311.36	4.3039	4.5766
	9	1.9558	7.5025	25.893	7.4430	312.32	4.3077	4.5754
	10	1.9558	7.5035	25.900	7.4428	310.65	4.2931	4.5753
	11	1.9558	7.5115	25.879	7.4430	309.93	4.2851	4.5865
	12	1.9558	7.5090	25.891	7.4438	309.18	4.2730	4.5919
	13	1.9558	7.5085	25.813	7.4440	308.64	4.2555	4.5865
	16	1.9558	7.5038	25.770	7.4439	307.53	4.2378	4.5838
	17	1.9558	7.5080	25.733	7.4439	307.35	4.2298	4.5800
	18	1.9558	7.5075	25.705	7.4438	308.27	4.2277	4.5880
	19	1.9558	7.5088	25.725	7.4440	308.51	4.2392	4.5958
	20	1.9558	7.5065	25.690	7.4438	308.13	4.2363	4.5971
	23	1.9558	7.5070	25.641	7.4437	308.06	4.2266	4.6000
	24	1.9558	7.5130	25.583	7.4433	308.53	4.2403	4.6013
	25	1.9558	7.5148	25.589	7.4429	310.16	4.2355	4.5975
	26	1.9558	7.5155	25.589	7.4432	310.32	4.2350	4.5983
	27	1.9558	7.5123	25.673	7.4407	311.23	4.2462	4.6010
	30	1.9558	7.5220	25.645	7.4410	311.01	4.2432	4.5990
	31	1.9558	7.5225	25.669	7.4412	311.64	4.2440	4.6005
Nov	1	1.9558	7.5200	25.557	7.4415	311.75	4.2338	4.6033
	2	1.9558	7.5302	25.535	7.4418	310.90	4.2376	4.5992
	3	1.9558	7.5335	25.652	7.4421	310.29	4.2383	4.5978
	6	1.9558	7.5375	25.612	7.4419	311.15	4.2408	4.5895
	7	1.9558	7.5416	25.591	7.4423	310.99	4.2396	4.5945

* See Explanatory notes, p 51.

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

		Other European and non-European countries							
Sweden	United Kingdom	Australia	Brazil	Canada	China	Hong Kong	India		
Swedish krona SEK	Pound sterling GBP	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Indian rupee INR	Period	
9.5563	0.89440	1.4813	3.6880	1.4737	7.9371	9.2284	75.7145	2017 Aug 1	
9.5918	0.89425	1.4847	3.6995	1.4841	7.9559	9.2461	75.3272	2	
9.6093	0.90318	1.4943	3.7017	1.4951	7.9726	9.2724	75.5210	3	
9.6053	0.90280	1.4888	3.6911	1.4920	7.9757	9.2782	75.5035	4	
9.6175	0.90435	1.4909	3.6878	1.4959	7.9281	9.2289	75.3005	7	
9.5980	0.90678	1.4882	3.6918	1.4959	7.9163	9.2424	75.1865	8	
9.6210	0.90338	1.4879	3.6793	1.4875	7.8316	9.1692	74.9140	9	
9.5680	0.90303	1.4888	3.7024	1.4923	7.8068	9.1680	75.2080	10	
9.6083	0.90645	1.4962	3.7378	1.4956	7.8414	9.1992	75.4960	11	
9.5665	0.90935	1.4986	3.7517	1.4975	7.8713	9.2266	75.6390	14	
9.4835	0.91145	1.4980	3.7540	1.4960	7.8488	9.1874	75.3025	15	
9.4820	0.90993	1.4903	3.7129	1.4908	7.8393	9.1597	75.1665	16	
9.5088	0.90895	1.4756	3.6986	1.4767	7.8110	9.1517	75.0595	17	
9.5370	0.91188	1.4830	3.7185	1.4859	7.8332	9.1831	75.3065	18	
9.5173	0.91318	1.4831	3.7042	1.4815	7.8462	9.2015	75.4385	21	
9.5390	0.91713	1.4887	3.7102	1.4806	7.8430	9.2129	75.4515	22	
9.5455	0.92133	1.4936	3.7314	1.4848	7.8584	9.2343	75.6075	23	
9.5118	0.92000	1.4951	3.7113	1.4784	7.8646	9.2386	75.5965	24	
9.5053	0.92083	1.4919	3.7045	1.4769	7.8596	9.2372	75.5975	25	
9.5155	0.92328	1.5008	3.7568	1.4866	7.8979	9.3292	76.2065	28	
9.5363	0.92965	1.5111	3.8106	1.5037	7.9467	9.4268	77.1340	29	
9.5095	0.92246	1.5016	3.7768	1.4961	7.8559	9.3259	76.2925	30	
9.4818	0.91973	1.5016	3.7410	1.4970	7.8059	9.2526	75.5995	31	
9.4778	0.92075	1.5021	3.7423	1.4830	7.8185	9.3272	76.3275	Sep 1	
9.4733	0.91855	1.4960	3.7379	1.4774	7.7728	9.3150	76.2395	4	
9.4690	0.91740	1.4902	3.7070	1.4732	7.7865	9.3043	76.2475	5	
9.5010	0.91428	1.4961	3.7145	1.4787	7.7850	9.3362	76.4925	6	
9.5263	0.91403	1.4926	3.7098	1.4587	7.7698	9.3553	76.6325	7	
9.5388	0.91268	1.4881	3.7256	1.4577	7.7926	9.4160	76.9245	8	
9.5705	0.90775	1.4915	3.7057	1.4541	7.8329	9.3731	76.6740	11	
9.5355	0.89878	1.4847	3.7117	1.4477	7.8024	9.3235	76.4385	12	
9.5475	0.90243	1.4909	3.7521	1.4542	7.8249	9.3586	76.6655	13	
9.5345	0.89123	1.4877	3.7295	1.4501	7.7918	9.2843	76.2095	14	
9.5058	0.88043	1.4911	3.7357	1.4520	7.8299	9.3506	76.6625	15	
9.5145	0.88253	1.4947	3.7204	1.4581	7.8520	9.3390	76.6315	18	
9.5261	0.88622	1.4969	3.7429	1.4714	7.8832	9.3432	77.0174	19	
9.5335	0.88680	1.4891	3.7579	1.4701	7.8948	9.3668	77.1965	20	
9.5135	0.88240	1.5002	3.7353	1.4712	7.8480	9.2910	77.1495	21	
9.5358	0.88155	1.5011	3.7459	1.4675	7.8805	9.3414	77.5010	22	
9.5325	0.87938	1.4917	3.7128	1.4630	7.8599	9.2738	77.2635	25	
9.5473	0.87775	1.4944	3.7299	1.4605	7.8189	9.2083	77.1935	26	
9.5885	0.87565	1.4954	3.7357	1.4554	7.7984	9.1714	77.1530	27	
9.5800	0.87635	1.5054	3.7484	1.4684	7.8436	9.1977	77.1150	28	
9.6490	0.88178	1.5075	3.7635	1.4687	7.8534	9.2214	77.0690	29	
9.6055	0.88418	1.5036	3.7274	1.4693	7.8138	9.1739	76.6965	Oct 2	
9.5675	0.88793	1.5039	3.7093	1.4692	7.8073	9.1809	76.9870	3	
9.5425	0.88768	1.4986	3.6929	1.4678	7.8163	9.2007	76.6410	4	
9.5195	0.89153	1.5015	3.6772	1.4655	7.8108	9.1701	76.4965	5	
9.5418	0.89535	1.5060	3.7000	1.4721	7.7891	9.1387	76.5440	6	
9.5348	0.89195	1.5142	3.7168	1.4731	7.7788	9.1685	76.7625	9	
9.5265	0.89410	1.5155	3.7378	1.4745	7.7609	9.2067	76.9720	10	
9.5313	0.89710	1.5186	3.7515	1.4798	7.7989	9.2344	77.0660	11	
9.5883	0.90235	1.5175	3.7654	1.4785	7.8111	9.2573	77.0996	12	
9.6050	0.88980	1.5080	3.7517	1.4761	7.7831	9.2210	76.7125	13	
9.5885	0.88753	1.4996	3.7304	1.4800	7.7782	9.2170	76.4155	16	
9.5813	0.89148	1.4994	3.7358	1.4741	7.7846	9.1811	76.4695	17	
9.5945	0.89283	1.5009	3.7199	1.4720	7.7867	9.1737	76.4305	18	
9.6445	0.89815	1.5033	3.7561	1.4743	7.8310	9.2334	76.9540	19	
9.6445	0.89623	1.5055	3.7519	1.4765	7.8217	9.2216	76.8288	20	
9.6440	0.89090	1.5018	3.7493	1.4835	7.7957	9.1607	76.3365	23	
9.6475	0.89303	1.5117	3.8022	1.4875	7.8022	9.1803	76.5790	24	
9.6858	0.88883	1.5282	3.8134	1.4963	7.8317	9.1971	76.5140	25	
9.7218	0.89010	1.5248	3.8030	1.5041	7.8003	9.1701	76.2300	26	
9.7390	0.88633	1.5196	3.8292	1.4961	7.7225	9.0561	75.5020	27	
9.7090	0.87980	1.5148	3.7790	1.4918	7.7165	9.0581	75.3560	30	
9.7415	0.87853	1.5210	3.8059	1.5004	7.7177	9.0769	75.3560	31	
9.7535	0.87385	1.5136	3.8150	1.4986	7.6767	9.0593	75.0130	Nov 1	
9.7615	0.88690	1.5117	3.8047	1.4960	7.7011	9.0851	75.2290	2	
9.7912	0.88923	1.5184	3.8012	1.4830	7.7200	9.0953	75.2140	3	
9.7683	0.88390	1.5120	3.8174	1.4787	7.6889	9.0436	74.9555	6	
9.7443	0.88038	1.5112	3.7822	1.4761	7.6750	9.0221	75.1470	7	

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 Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	
2017	Aug	1	15,738.31	4.2141	130.53	1,325.50	5.0620	21.0023	1.5813	9.3343
		2	15,752.68	4.2334	130.98	1,329.43	5.0693	21.1874	1.5927	9.3505
		3	15,804.04	4.2501	130.91	1,336.54	5.0780	21.1435	1.5986	9.3768
		4	15,791.56	4.2939	130.67	1,334.12	5.0777	21.1344	1.5928	9.3618
		7	15,714.78	4.2727	130.78	1,332.55	5.0532	21.1536	1.6033	9.3800
		8	15,727.98	4.2566	130.31	1,329.82	5.0629	21.1534	1.6036	9.3225
		9	15,640.36	4.2207	128.74	1,335.79	5.0314	21.0650	1.6011	9.3398
		10	15,670.45	4.2182	128.76	1,341.21	5.0348	21.0547	1.6142	9.3355
		11	15,722.96	4.2171	128.41	1,346.47	5.0531	21.1711	1.6149	9.3975
		14	15,754.70	4.2274	129.28	1,344.45	5.0650	20.9475	1.6167	9.3478
		15	15,694.68	4.2155	129.67	1,336.43	5.0452	20.9441	1.6121	9.3538
		16	15,656.22	4.2479	129.79	1,334.97	5.0335	20.8174	1.6151	9.3115
		17	15,620.17	4.2425	128.81	1,331.95	5.0244	20.7198	1.6013	9.3243
		18	15,689.33	4.2535	128.02	1,339.99	5.0412	20.9958	1.6035	9.3183
		21	15,703.29	4.2598	128.17	1,339.54	5.0449	20.8321	1.6072	9.2903
		22	15,706.05	4.2595	128.73	1,335.14	5.0392	20.7907	1.6165	9.3023
		23	15,751.67	4.2695	128.71	1,335.19	5.0488	21.0090	1.6334	9.3130
		24	15,749.20	4.2493	129.06	1,331.39	5.0524	20.8501	1.6354	9.2585
		25	15,758.37	4.2453	129.59	1,327.05	5.0456	20.8445	1.6363	9.2278
		28	15,903.18	4.2719	130.34	1,335.56	5.0889	21.0584	1.6458	9.2620
		29	16,085.28	4.3135	130.86	1,353.80	5.1409	21.5204	1.6535	9.2915
		30	15,903.69	4.2705	131.25	1,338.36	5.0887	21.2869	1.6477	9.2845
		31	15,782.10	4.2552	130.81	1,331.22	5.0506	21.0843	1.6571	9.2790
	Sep	1	15,875.38	4.2599	131.29	1,335.36	5.0904	21.2608	1.6638	9.2555
		4	15,869.55	4.2644	130.60	1,345.07	5.0840	21.2598	1.6588	9.2933
		5	15,854.13	4.2425	129.99	1,343.64	5.0668	21.2185	1.6531	9.2788
		6	15,902.83	4.2480	129.92	1,353.94	5.0570	21.2936	1.6528	9.2765
		7	15,922.83	4.2236	130.34	1,350.87	5.0392	21.2308	1.6616	9.2938
		8	15,874.85	4.2406	129.50	1,363.52	5.0586	21.3382	1.6502	9.3093
		11	15,791.05	4.2255	130.38	1,357.76	5.0357	21.2143	1.6502	9.3710
		12	15,751.56	4.2197	130.93	1,346.05	5.0120	21.1297	1.6343	9.3593
13		15,815.27	4.2339	131.79	1,349.96	5.0198	21.2826	1.6451	9.3983	
14		15,767.83	4.2094	131.55	1,345.47	4.9905	21.1227	1.6474	9.3950	
15		15,859.01	4.2090	132.92	1,353.03	5.0119	21.1361	1.6407	9.3348	
18		15,837.07	4.2084	133.09	1,346.87	5.0006	21.1270	1.6401	9.3410	
19		15,886.84	4.2103	133.44	1,351.57	5.0200	21.2495	1.6398	9.3420	
20	15,945.90	4.2067	133.63	1,353.44	5.0339	21.3147	1.6277	9.3440		
21	15,889.60	4.1933	133.86	1,349.47	4.9977	21.2250	1.6268	9.3025		
22	15,908.13	4.1755	134.01	1,352.78	5.0117	21.2905	1.6336	9.3193		
25	15,803.37	4.1666	133.19	1,343.33	4.9817	21.1283	1.6302	9.2725		
26	15,785.15	4.1579	131.99	1,341.55	4.9662	21.1825	1.6369	9.2843		
27	15,779.90	4.1659	132.60	1,341.10	4.9565	21.2435	1.6305	9.3355		
28	15,892.06	4.1477	132.56	1,350.15	4.9839	21.3956	1.6363	9.3575		
29	15,888.51	4.1591	132.82	1,351.83	4.9827	21.4614	1.6354	9.4125		
Oct	2	15,933.08	4.1621	132.50	1,345.92	4.9718	21.5128	1.6336	9.3770	
	3	15,916.50	4.1519	132.77	1,344.94	4.9766	21.4688	1.6374	9.3885	
	4	15,857.61	4.1378	132.47	1,342.67	4.9830	21.3870	1.6403	9.3533	
	5	15,803.15	4.1229	132.05	1,337.65	4.9651	21.4107	1.6413	9.3500	
	6	15,819.67	4.1176	132.23	1,337.12	4.9608	21.6550	1.6512	9.3720	
	9	15,897.04	4.1206	132.36	1,343.11	4.9709	21.8840	1.6588	9.3788	
	10	15,912.97	4.1268	132.55	1,336.25	4.9783	21.9090	1.6688	9.3745	
	11	15,997.95	4.1364	132.72	1,339.10	4.9911	22.2167	1.6723	9.3790	
	12	16,016.27	4.1387	133.12	1,341.86	5.0036	22.2105	1.6675	9.3601	
	13	15,938.78	4.1328	132.49	1,333.88	4.9832	22.3881	1.6541	9.3390	
	16	15,913.39	4.1272	131.99	1,330.09	4.9773	22.4931	1.6420	9.3133	
	17	15,880.12	4.1274	131.94	1,328.14	4.9664	22.4334	1.6375	9.3260	
	18	15,879.95	4.1283	132.62	1,329.28	4.9622	22.1311	1.6488	9.3575	
	19	15,993.65	4.1362	133.18	1,339.16	4.9981	22.2721	1.6861	9.4190	
20	15,966.12	4.1217	133.75	1,336.07	4.9931	22.3278	1.6885	9.4145		
23	15,888.92	4.1000	133.59	1,326.40	4.9718	22.2922	1.6838	9.3883		
24	15,937.33	4.1184	133.95	1,327.81	4.9849	22.4841	1.7008	9.3883		
25	15,994.60	4.1328	134.41	1,325.38	4.9915	22.6028	1.7123	9.4383		
26	15,981.73	4.1343	133.75	1,320.41	4.9762	22.3684	1.7118	9.4865		
27	15,818.76	4.1116	132.52	1,309.39	4.9228	22.3514	1.6975	9.5348		
30	15,762.75	4.0974	131.83	1,306.01	4.9206	22.1764	1.6944	9.4840		
31	15,786.95	4.0992	132.00	1,301.50	4.9252	22.2962	1.7005	9.5238		
Nov	1	15,773.74	4.0845	132.60	1,291.51	4.9136	22.2765	1.6866	9.4610	
	2	15,753.36	4.0845	132.90	1,294.94	4.9264	22.2318	1.6867	9.4838	
	3	15,729.04	4.0839	132.82	1,298.74	4.9332	22.1420	1.6797	9.4843	
	6	15,665.04	4.0721	132.29	1,288.85	4.9090	22.1399	1.6797	9.4380	
	7	15,640.75	4.0634	132.03	1,285.17	4.8828	22.0712	1.6717	9.4543	

* 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	
59.508	71.1750	1.6042	15.6922	1.1414	39.322	4.1602	1.1812	2017 Aug 1
59.521	71.8059	1.6064	15.7101	1.1459	39.355	4.1786	1.1829	2
59.625	71.6789	1.6130	15.7628	1.1501	39.429	4.1992	1.1860	3
59.588	71.4691	1.6097	15.8267	1.1494	39.455	4.1903	1.1868	4
59.526	70.8515	1.6083	15.7661	1.1480	39.302	4.1662	1.1797	7
59.632	70.8912	1.6072	15.5533	1.1478	39.276	4.1686	1.1814	8
59.437	70.3937	1.5988	15.8151	1.1293	39.006	4.1518	1.1731	9
59.567	70.2875	1.6000	15.6740	1.1341	39.021	4.1462	1.1732	10
60.033	70.6275	1.6052	15.8741	1.1320	39.107	4.1765	1.1765	11
60.358	70.3960	1.6063	15.6561	1.1422	39.237	4.1568	1.1797	14
60.359	70.4414	1.6042	15.6499	1.1417	39.090	4.1457	1.1744	15
60.146	69.6423	1.6022	15.4975	1.1406	38.971	4.1319	1.1710	16
60.048	69.4730	1.5978	15.4425	1.1311	38.893	4.1197	1.1697	17
60.531	69.7304	1.6014	15.5257	1.1287	38.989	4.1376	1.1740	18
60.474	69.4996	1.6024	15.5304	1.1362	39.111	4.1243	1.1761	21
60.330	69.4840	1.6032	15.5407	1.1364	39.127	4.1170	1.1771	22
60.445	69.7924	1.6071	15.6514	1.1392	39.361	4.1338	1.1799	23
60.305	69.8033	1.6070	15.5936	1.1375	39.361	4.1081	1.1806	24
60.327	69.8312	1.6055	15.5488	1.1390	39.332	4.1080	1.1808	25
60.841	69.6590	1.6156	15.5562	1.1389	39.591	4.1063	1.1925	28
61.485	70.7954	1.6283	15.6323	1.1386	39.963	4.1470	1.2048	29
61.040	69.8224	1.6167	15.5563	1.1422	39.597	4.1235	1.1916	30
60.587	69.1235	1.6094	15.4568	1.1446	39.247	4.1063	1.1825	31
60.900	68.8223	1.6146	15.4185	1.1441	39.539	4.0981	1.1920	Sep 1
60.953	68.8889	1.6150	15.4097	1.1399	39.465	4.0826	1.1905	4
60.804	68.9138	1.6115	15.3896	1.1407	39.451	4.0954	1.1890	5
60.908	68.4889	1.6133	15.3965	1.1399	39.563	4.1045	1.1931	6
60.774	68.2670	1.6091	15.3363	1.1412	39.582	4.0893	1.1971	7
61.276	68.9650	1.6124	15.5124	1.1405	39.919	4.1191	1.2060	8
60.990	68.6188	1.6129	15.5137	1.1404	39.746	4.0779	1.1997	11
60.765	68.3844	1.6074	15.4800	1.1444	39.522	4.0948	1.1933	12
61.057	69.0768	1.6118	15.7095	1.1496	39.639	4.1232	1.1979	13
60.990	68.6480	1.6053	15.6609	1.1496	39.363	4.1134	1.1885	14
61.305	68.8226	1.6070	15.7613	1.1480	39.574	4.1140	1.1963	15
61.118	68.9576	1.6083	15.7893	1.1464	39.536	4.1340	1.1948	18
61.038	69.5066	1.6151	15.9446	1.1535	39.603	4.1764	1.1972	19
61.117	69.4380	1.6128	15.9058	1.1532	39.707	4.1642	1.2007	20
60.739	69.0220	1.6100	15.8889	1.1585	39.441	4.1776	1.1905	21
60.532	68.8885	1.6093	15.8359	1.1588	39.579	4.1804	1.1961	22
60.154	68.0714	1.6031	15.7539	1.1562	39.292	4.1803	1.1867	25
60.018	67.9870	1.5968	15.7329	1.1452	39.139	4.1739	1.1787	26
59.890	68.2670	1.5964	15.9062	1.1451	39.109	4.1902	1.1741	27
59.998	68.3855	1.6010	15.9189	1.1460	39.327	4.1994	1.1778	28
60.050	68.2519	1.6031	15.9440	1.1457	39.338	4.2013	1.1806	29
60.028	68.0395	1.6003	16.0141	1.1399	39.272	4.2067	1.1744	Oct 2
60.117	68.1636	1.6016	16.1203	1.1449	39.279	4.2117	1.1753	3
60.071	67.8176	1.6023	15.9832	1.1456	39.274	4.2016	1.1787	4
59.949	67.5273	1.5998	16.0020	1.1472	39.160	4.1905	1.1742	5
59.977	67.7275	1.5997	16.0695	1.1473	39.172	4.2345	1.1707	6
60.189	68.5379	1.6013	16.1990	1.1497	39.214	4.3636	1.1746	9
60.728	68.2832	1.6001	16.1484	1.1522	39.237	4.3385	1.1797	10
60.863	68.4492	1.6044	16.0525	1.1524	39.258	4.3337	1.1830	11
61.101	68.4040	1.6055	16.0091	1.1552	39.256	4.3428	1.1856	12
60.731	68.1201	1.6013	15.8047	1.1533	39.115	4.3225	1.1810	13
60.499	67.4780	1.5956	15.7169	1.1514	39.021	4.2975	1.1803	16
60.368	67.4711	1.5952	15.7977	1.1504	38.946	4.3051	1.1759	17
60.479	67.4559	1.5962	15.8999	1.1551	38.960	4.3225	1.1749	18
60.863	68.1785	1.6056	16.0282	1.1541	39.200	4.3324	1.1834	19
60.865	67.8679	1.6054	16.1719	1.1597	39.188	4.3289	1.1818	20
60.458	67.4375	1.5996	16.0711	1.1581	38.965	4.3386	1.1740	23
60.801	67.6090	1.6023	16.1396	1.1613	39.035	4.3751	1.1761	24
61.039	67.8640	1.6047	16.2970	1.1690	39.103	4.3970	1.1785	25
60.939	67.7597	1.6010	16.7390	1.1678	38.973	4.4338	1.1753	26
60.174	67.8368	1.5899	16.4855	1.1632	38.645	4.4361	1.1605	27
60.079	67.1203	1.5836	16.3361	1.1603	38.598	4.3851	1.1612	30
60.045	67.8738	1.5860	16.4342	1.1622	38.650	4.4164	1.1638	31
60.007	67.5100	1.5808	16.3914	1.1640	38.505	4.4394	1.1612	Nov 1
59.936	68.0327	1.5843	16.2879	1.1647	38.568	4.4519	1.1645	2
59.624	68.2952	1.5854	16.4676	1.1635	38.608	4.4927	1.1657	3
59.220	68.3327	1.5816	16.4598	1.1593	38.438	4.4815	1.1590	6
59.426	68.0443	1.5772	16.3857	1.1557	38.305	4.4673	1.1562	7

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
2012 Oct	1.9558	7.5140	24.939	7.4582	282.09	4.1071	4.5624	8.6145	0.80665	1.2596
Nov	1.9558	7.5410	25.365	7.4587	282.26	4.1321	4.5273	8.6076	0.80389	1.2331
Dec	1.9558	7.5334	25.214	7.4604	285.79	4.0956	4.4899	8.6512	0.81237	1.2527
2013 Jan	1.9558	7.5746	25.563	7.4614	294.01	4.1424	4.3835	8.6217	0.83271	1.2658
Feb	1.9558	7.5868	25.475	7.4598	292.73	4.1700	4.3839	8.5083	0.86250	1.2951
Mar	1.9558	7.5909	25.659	7.4553	303.01	4.1565	4.3923	8.3470	0.85996	1.2537
Apr	1.9558	7.6076	25.841	7.4553	298.67	4.1359	4.3780	8.4449	0.85076	1.2539
May	1.9558	7.5684	25.888	7.4536	292.38	4.1799	4.3360	8.5725	0.84914	1.3133
June	1.9558	7.4901	25.759	7.4576	295.70	4.2839	4.4803	8.6836	0.85191	1.3978
July	1.9558	7.5061	25.944	7.4579	294.90	4.2745	4.4244	8.6609	0.86192	1.4279
Aug	1.9558	7.5372	25.818	7.4580	299.46	4.2299	4.4371	8.7034	0.85904	1.4742
Sep	1.9558	7.5985	25.789	7.4579	299.75	4.2371	4.4633	8.6758	0.84171	1.4379
Oct	1.9558	7.6193	25.662	7.4592	294.76	4.1902	4.4444	8.7479	0.84720	1.4328
Nov	1.9558	7.6326	26.927	7.4587	297.68	4.1887	4.4452	8.8802	0.83780	1.4473
Dec	1.9558	7.6365	27.521	7.4602	300.24	4.1760	4.4635	8.9597	0.83639	1.5243
2014 Jan	1.9558	7.6353	27.485	7.4614	302.48	4.1799	4.5205	8.8339	0.82674	1.5377
Feb	1.9558	7.6574	27.444	7.4622	310.20	4.1741	4.4918	8.8721	0.82510	1.5222
Mar	1.9558	7.6576	27.395	7.4638	311.49	4.1987	4.4933	8.8666	0.83170	1.5217
Apr	1.9558	7.6267	27.450	7.4656	307.37	4.1853	4.4620	9.0329	0.82520	1.4831
May	1.9558	7.5952	27.437	7.4641	304.58	4.1800	4.4237	9.0298	0.81535	1.4755
June	1.9558	7.5770	27.450	7.4588	305.87	4.1352	4.3930	9.0914	0.80409	1.4517
July	1.9558	7.6146	27.458	7.4564	309.81	4.1444	4.4098	9.2327	0.79310	1.4420
Aug	1.9558	7.6326	27.816	7.4551	313.91	4.1919	4.4252	9.1878	0.79730	1.4306
Sep	1.9558	7.6236	27.599	7.4449	313.20	4.1899	4.4095	9.1929	0.79113	1.4246
Oct	1.9558	7.6573	27.588	7.4448	307.85	4.2066	4.4153	9.1797	0.78861	1.4436
Nov	1.9558	7.6700	27.667	7.4415	306.89	4.2121	4.4288	9.2384	0.79054	1.4432
Dec	1.9558	7.6682	27.640	7.4402	310.83	4.2155	4.4583	9.4043	0.78830	1.4928
2015 Jan	1.9558	7.6883	27.895	7.4406	316.50	4.2783	4.4874	9.4167	0.76680	1.4390
Feb	1.9558	7.7114	27.608	7.4501	306.88	4.1760	4.4334	9.4901	0.74051	1.4568
Mar	1.9558	7.6467	27.379	7.4593	303.45	4.1259	4.4339	9.2449	0.72358	1.4008
Apr	1.9558	7.5896	27.439	7.4655	299.43	4.0180	4.4155	9.3254	0.72116	1.3939
May	1.9558	7.5591	27.397	7.4612	306.33	4.0811	4.4477	9.3037	0.72124	1.4123
June	1.9558	7.5719	27.307	7.4603	311.96	4.1586	4.4671	9.2722	0.72078	1.4530
July	1.9558	7.5863	27.094	7.4616	311.53	4.1524	4.4391	9.3860	0.70685	1.4844
Aug	1.9558	7.5578	27.041	7.4627	311.61	4.1953	4.4235	9.5155	0.71423	1.5269
Sep	1.9558	7.5890	27.089	7.4610	313.14	4.2176	4.4236	9.3924	0.73129	1.5900
Oct	1.9558	7.6208	27.105	7.4601	311.27	4.2508	4.4227	9.3485	0.73287	1.5586
Nov	1.9558	7.6074	27.039	7.4602	312.27	4.2494	4.4453	9.3133	0.70658	1.5011
Dec	1.9558	7.6397	27.027	7.4612	314.40	4.2900	4.5033	9.2451	0.72595	1.5009
2016 Jan	1.9558	7.6582	27.027	7.4619	314.68	4.4074	4.5311	9.2826	0.75459	1.5510
Feb	1.9558	7.6355	27.040	7.4628	310.37	4.3970	4.4814	9.4105	0.77559	1.5556
Mar	1.9558	7.5593	27.051	7.4569	311.15	4.2932	4.4666	9.2848	0.78020	1.4823
Apr	1.9558	7.4947	27.031	7.4427	311.46	4.3106	4.4724	9.2027	0.79230	1.4802
May	1.9558	7.4979	27.026	7.4386	314.58	4.4039	4.4991	9.2948	0.77779	1.5461
June	1.9558	7.5204	27.061	7.4371	313.98	4.3996	4.5230	9.3338	0.79049	1.5173
July	1.9558	7.4930	27.042	7.4390	314.35	4.3964	4.4856	9.4742	0.84106	1.4694
Aug	1.9558	7.4866	27.025	7.4408	310.21	4.3005	4.4591	9.4913	0.85521	1.4690
Sep	1.9558	7.5005	27.022	7.4475	308.68	4.3207	4.4502	9.5655	0.85228	1.4768
Oct	1.9558	7.5068	27.022	7.4402	307.00	4.3076	4.4942	9.7073	0.89390	1.4470
Nov	1.9558	7.5211	27.033	7.4406	308.82	4.3911	4.5100	9.8508	0.86894	1.4331
Dec	1.9558	7.5404	27.031	7.4362	312.24	4.4357	4.5164	9.7095	0.84441	1.4356
2017 Jan	1.9558	7.5300	27.021	7.4355	308.99	4.3671	4.5018	9.5110	0.86100	1.4252
Feb	1.9558	7.4476	27.021	7.4348	308.50	4.3081	4.5136	9.4762	0.85273	1.3886
Mar	1.9558	7.4231	27.021	7.4356	309.71	4.2871	4.5476	9.5279	0.86560	1.4018
Apr	1.9558	7.4503	26.823	7.4376	311.57	4.2374	4.5291	9.5941	0.84824	1.4241
May	1.9558	7.4317	26.572	7.4400	309.77	4.1998	4.5539	9.7097	0.85554	1.4878
June	1.9558	7.4104	26.264	7.4376	308.28	4.2113	4.5721	9.7538	0.87724	1.4861
July	1.9558	7.4116	26.079	7.4366	306.71	4.2362	4.5689	9.5892	0.88617	1.4772
Aug	1.9558	7.4054	26.101	7.4379	304.37	4.2666	4.5789	9.5485	0.91121	1.4919
Sep	1.9558	7.4639	26.075	7.4401	308.37	4.2693	4.5992	9.5334	0.89470	1.4946
Oct	1.9558	7.5085	25.766	7.4429	309.95	4.2627	4.5895	9.6138	0.89071	1.5099

* See Explanatory notes, p 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB.

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

and non-European countries										Period
Brazil	Canada	China	Hong Kong	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Indian rupee INR	Indonesian rupiah IDR	New Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	
2.6333	1.2801	8.1390	10.0574	68.8589	12,457.30	4.9976	102.47	1,435.37	3.9649	2012 Oct
2.6512	1.2787	7.9998	9.9423	70.3250	12,343.83	4.9970	103.94	1,395.13	3.9230	Nov
2.7264	1.2984	8.1809	10.1679	71.6946	12,643.37	4.9570	109.71	1,411.41	4.0075	Dec
2.6993	1.3189	8.2698	10.3027	72.0716	12,837.99	4.9706	118.34	1,417.69	4.0413	2013 Jan
2.6354	1.3477	8.3282	10.3608	71.9342	12,933.75	4.9359	124.40	1,452.82	4.1403	Feb
2.5694	1.3285	8.0599	10.0588	70.5579	12,590.61	4.7769	122.99	1,430.31	4.0309	Mar
2.6060	1.3268	8.0564	10.1110	70.7738	12,664.51	4.7164	127.54	1,460.89	3.9686	Apr
2.6414	1.3257	7.9715	10.0766	71.4760	12,673.13	4.7223	131.13	1,444.56	3.9200	May
2.8613	1.3596	8.0905	10.2349	77.0284	13,033.31	4.7865	128.40	1,498.33	4.1488	June
2.9438	1.3619	8.0234	10.1455	78.1762	13,189.17	4.7153	130.39	1,473.35	4.1746	July
3.1170	1.3853	8.1477	10.3223	83.9480	14,168.72	4.7610	130.34	1,485.93	4.3631	Aug
3.0345	1.3817	8.1690	10.3504	85.2678	15,073.16	4.7636	132.41	1,446.60	4.3410	Sep
2.9860	1.4128	8.3226	10.5724	84.0071	15,109.54	4.8232	133.32	1,454.73	4.3283	Oct
3.0959	1.4145	8.2221	10.4604	84.4990	15,575.06	4.7711	134.97	1,434.06	4.3176	Nov
3.2133	1.4580	8.3248	10.6254	84.7631	16,455.73	4.8019	141.68	1,446.99	4.4517	Dec
3.2437	1.4884	8.2368	10.5586	84.5099	16,471.94	4.7569	141.47	1,453.94	4.5005	2014 Jan
3.2581	1.5094	8.3062	10.6012	84.9503	16,270.18	4.8043	139.35	1,462.51	4.5194	Feb
3.2187	1.5352	8.5332	10.7283	84.2990	15,785.89	4.8087	141.48	1,479.99	4.5361	Mar
3.0864	1.5181	8.5984	10.7107	83.3624	15,801.66	4.8010	141.62	1,441.28	4.4989	Apr
3.0512	1.4951	8.5658	10.6456	81.4318	15,830.12	4.7600	139.74	1,407.13	4.4337	May
3.0388	1.4728	8.4698	10.5365	81.2046	16,167.87	4.6966	138.72	1,385.45	4.3760	June
3.0109	1.4524	8.3940	10.4935	81.3058	15,789.65	4.6325	137.72	1,382.29	4.3100	July
3.0219	1.4548	8.1965	10.3207	81.0709	15,603.10	4.6569	137.11	1,364.17	4.2310	Aug
3.0089	1.4196	7.9207	10.0019	78.5676	15,362.85	4.6896	138.39	1,336.02	4.1522	Sep
3.1018	1.4214	7.7635	9.8309	77.7896	15,389.80	4.7249	136.85	1,345.25	4.1436	Oct
3.1829	1.4136	7.6411	9.6716	76.9566	15,177.15	4.7783	145.03	1,370.36	4.1747	Nov
3.2499	1.4216	7.6330	9.5626	77.3781	15,351.19	4.8505	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

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
2012 Oct	16.7207	1.5817	7.4076	53.691	40.3558	1.5879	11.2215	1.2098	39.811	2.3384	1.2974
Nov	16.7689	1.5660	7.3371	52.716	40.2505	1.5695	11.2986	1.2052	39.391	2.3010	1.2828
Dec	16.8664	1.5777	7.3503	53.796	40.3114	1.6009	11.3179	1.2091	40.187	2.3439	1.3119
2013 Jan	16.8760	1.5877	7.3821	54.105	40.1847	1.6326	11.6957	1.2288	39.924	2.3543	1.3288
Feb	16.9872	1.5929	7.4232	54.355	40.3342	1.6546	11.8796	1.2298	39.839	2.3738	1.3359
Mar	16.2322	1.5657	7.4863	52.813	39.9332	1.6164	11.9169	1.2266	38.264	2.3453	1.2964
Apr	15.8895	1.5348	7.5444	53.649	40.7995	1.6120	11.8592	1.2199	37.857	2.3406	1.3026
May	15.9776	1.5774	7.5589	53.693	40.6842	1.6219	12.1798	1.2418	38.667	2.3739	1.2982
June	17.0716	1.6682	7.7394	56.658	42.6490	1.6613	13.2088	1.2322	40.664	2.5028	1.3189
July	16.6893	1.6590	7.8837	56.698	42.8590	1.6595	12.9674	1.2366	40.714	2.5274	1.3080
Aug	17.1996	1.6829	7.9386	58.471	43.9748	1.6941	13.4190	1.2338	42.072	2.6125	1.3310
Sep	17.4471	1.6406	7.9725	58.346	43.5144	1.6860	13.3287	1.2338	42.312	2.6952	1.3348
Oct	17.7413	1.6351	8.1208	58.809	43.7440	1.6956	13.5283	1.2316	42.549	2.7095	1.3635
Nov	17.6340	1.6327	8.2055	58.811	44.1581	1.6833	13.7626	1.2316	42.695	2.7316	1.3493
Dec	17.8278	1.6659	8.4053	60.552	45.0628	1.7244	14.2234	1.2245	44.323	2.8276	1.3704
2014 Jan	17.9964	1.6450	8.3927	61.263	46.0304	1.7327	14.8242	1.2317	44.822	3.0297	1.3610
Feb	18.1561	1.6466	8.3562	61.238	48.2554	1.7295	14.9820	1.2212	44.568	3.0184	1.3659
Mar	18.2447	1.6199	8.2906	61.901	49.9477	1.7513	14.8613	1.2177	44.765	3.0629	1.3823
Apr	18.0485	1.6049	8.2506	61.646	49.2978	1.7345	14.5815	1.2189	44.657	2.9393	1.3813
May	17.7620	1.5957	8.1513	60.258	47.8403	1.7189	14.2995	1.2204	44.686	2.8736	1.3732
June	17.6516	1.5769	8.2149	59.543	46.7509	1.7008	14.5094	1.2181	44.195	2.8808	1.3592
July	17.5834	1.5578	8.3880	58.844	46.9984	1.6825	14.4366	1.2150	43.470	2.8699	1.3539
Aug	17.5051	1.5783	8.2522	58.320	48.1781	1.6622	14.2052	1.2118	42.644	2.8784	1.3316
Sep	17.0717	1.5841	8.1798	57.033	49.0519	1.6295	14.1578	1.2076	41.536	2.8543	1.2901
Oct	17.0713	1.6090	8.3136	56.807	51.9380	1.6154	14.0266	1.2078	41.139	2.8577	1.2673
Nov	16.9850	1.5928	8.4912	56.101	57.5193	1.6173	13.8359	1.2027	40.908	2.7885	1.2472
Dec	17.8692	1.5874	8.9802	55.092	70.3269	1.6213	14.1582	1.2026	40.564	2.8304	1.2331
2015 Jan	17.0782	1.5213	8.9320	51.791	75.0459	1.5545	13.4598	1.0940	38.056	2.7153	1.1621
Feb	16.9310	1.5236	8.6188	50.174	73.0742	1.5382	13.1532	1.0618	36.963	2.7958	1.1350
Mar	16.4941	1.4506	8.6434	48.227	65.1401	1.4913	13.0756	1.0608	35.355	2.8077	1.0838
Apr	16.4288	1.4217	8.5057	47.863	56.7415	1.4539	12.9588	1.0379	35.072	2.8743	1.0779
May	17.0378	1.5112	8.4103	49.741	56.3735	1.4882	13.3506	1.0391	37.408	2.9491	1.1150
June	17.3467	1.6046	8.7550	50.508	61.2390	1.5091	13.6973	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	3.2320	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

* 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									
2003	1.9557	7.6451	0.58637	32.410	7.4450	15.6466	262.50	0.6725	3.4524
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	–	–
Annual averages +									
2003	1.9490	7.5688	0.58409	31.846	7.4307	15.6466	253.62	0.6407	3.4527
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	–	–

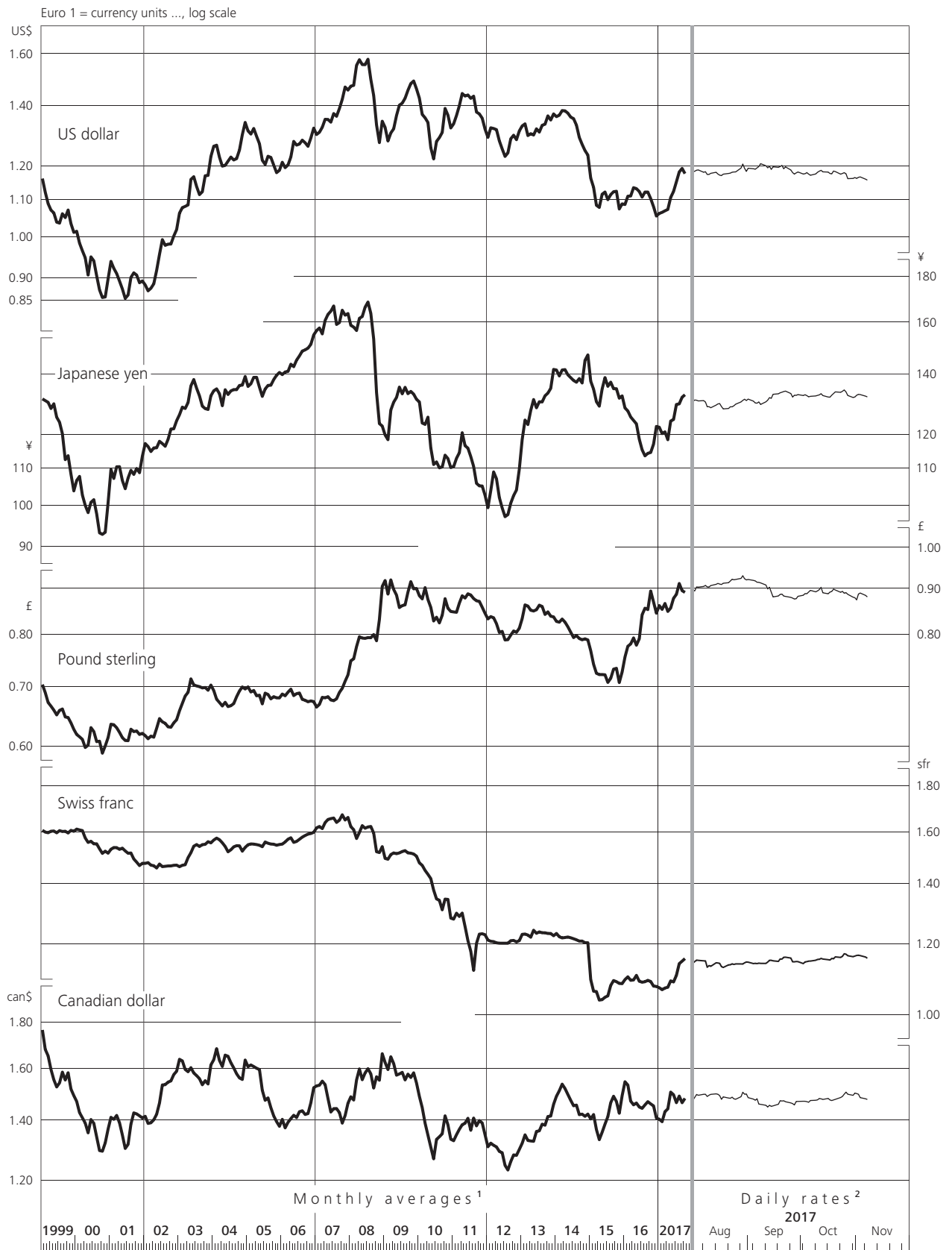
EU member countries (cont'd)							Other European and non-European countries			
Malta	Poland	Romania	Slovakia	Slovenia	Sweden	United Kingdom	Australia	Brazil	Canada	
Maltese lira MTL 2	Polish zloty PLN	Romanian leu (old)/(new) ROL/RON 3	Slovak koruna SKK 2	Slovenian tolar SIT 2	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD	Brazilian real BRL 4	Canadian dollar CAD	
End of year										
2003	0.4317	4.7019	41,158	41.170	236.7000	9.0800	0.70480	1.6802	3.6698	1.6234
2004	0.4343	4.0845	39,390	38.745	239.7600	9.0206	0.70505	1.7459	3.6201	1.6416
2005	0.4293	3.8600	3 3.6802	37.880	239.5000	9.3885	0.68530	1.6109	2.7462	1.3725
2006	0.4293	3.8310	3.3835	34.435	239.6400	9.0404	0.67150	1.6691	2.8141	1.5281
2007	0.4293	3.5935	3.6077	33.583	–	9.4415	0.73335	1.6757	2.5914	1.4449
2008	–	4.1535	4.0225	30.126	–	10.8700	0.95250	2.0274	3.2436	1.6998
2009	–	4.1045	4.2363	–	–	10.2520	0.88810	1.6008	2.5113	1.5128
2010	–	3.9750	4.2620	–	–	8.9655	0.86075	1.3136	2.2177	1.3322
2011	–	4.4580	4.3233	–	–	8.9120	0.83530	1.2723	2.4159	1.3215
2012	–	4.0740	4.4445	–	–	8.5820	0.81610	1.2712	2.7036	1.3137
2013	–	4.1543	4.4710	–	–	8.8591	0.83370	1.5423	3.2576	1.4671
2014	–	4.2732	4.4828	–	–	9.3930	0.77890	1.4829	3.2207	1.4063
2015	–	4.2639	4.5240	–	–	9.1895	0.73395	1.4897	4.3117	1.5116
2016	–	4.4103	4.5390	–	–	9.5525	0.85618	1.4596	3.4305	1.4188
Annual averages +										
2003	0.4261	4.3996	37,551	41.489	233.8493	9.1242	0.69199	1.7379	3.4701	1.5817
2004	0.4280	4.5268	40,510	40.022	239.0874	9.1243	0.67866	1.6905	3.6362	1.6167
2005	0.4299	4.0230	3 3.6209	38.599	239.5681	9.2822	0.68380	1.6320	3.0360	1.5087
2006	0.4293	3.8959	3.5258	37.234	239.5961	9.2544	0.68173	1.6668	2.7333	1.4237
2007	0.4293	3.7837	3.3353	33.775	–	9.2501	0.68434	1.6348	2.6633	1.4678
2008	–	3.5121	3.6826	31.262	–	9.6152	0.79628	1.7416	2.6737	1.5594
2009	–	4.3276	4.2399	–	–	10.6191	0.89094	1.7727	2.7674	1.5850
2010	–	3.9947	4.2122	–	–	9.5373	0.85784	1.4423	2.3314	1.3651
2011	–	4.1206	4.2391	–	–	9.0298	0.86788	1.3484	2.3265	1.3761
2012	–	4.1847	4.4593	–	–	8.7041	0.81087	1.2407	2.5084	1.2842
2013	–	4.1975	4.4190	–	–	8.6515	0.84926	1.3777	2.8687	1.3684
2014	–	4.1843	4.4437	–	–	9.0985	0.80612	1.4719	3.1211	1.4661
2015	–	4.1841	4.4454	–	–	9.3535	0.72584	1.4777	3.7004	1.4186
2016	–	4.3632	4.4904	–	–	9.4689	0.81948	1.4883	3.8561	1.4659

* 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

4 Exchange rates of major currencies

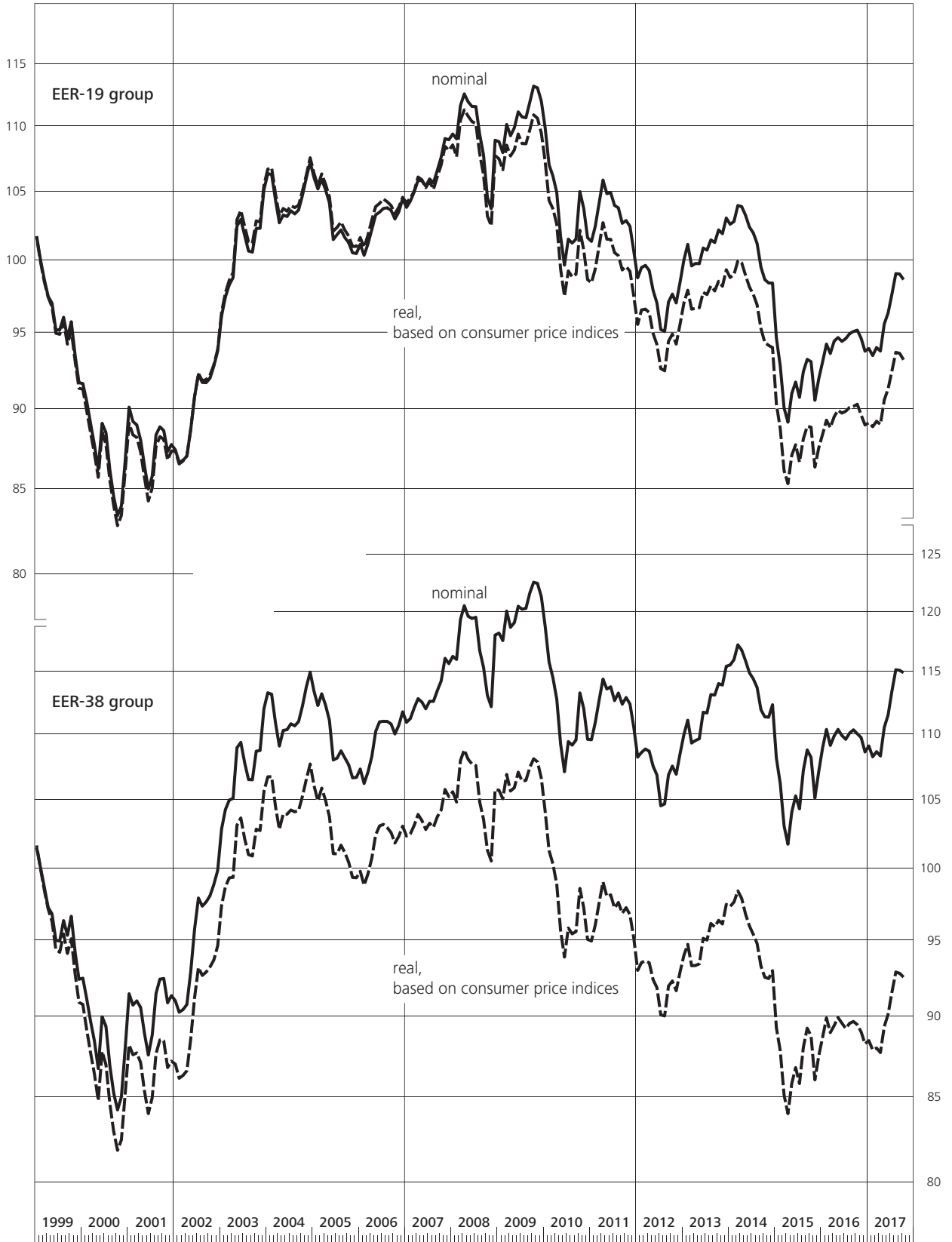


¹ Last monthly average: October 2017. ² Last updated: 7 November 2017.

III Effective exchange rates of the euro *

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

1999 Q1 = 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 2016	Rate at end of month			
					August 2017	September 2017	October 2017	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 67.6255	AFN 68.3959	AFN 68.2604	AFN 68.3457	
		S	USD 1 =	AFN 67.7255	AFN 68.4959	AFN 68.3604	AFN 68.4457	
	AFN	B	EUR 1 =	AFN 74.2813	AFN 81.2800	AFN 80.1846	AFN 79.3027	
		S	EUR 1 =	AFN 74.5413	AFN 81.5400	AFN 80.4446	AFN 79.5627	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 124.35	ALL 112.29	ALL 113.37	ALL 114.71
M			EUR 1 =	ALL 137.39	ALL 133.50	ALL 133.70	ALL 133.42	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 109.5779	DZD 111.2496	DZD 113.1131	DZD 115.1924	
		S	USD 1 =	DZD 109.5929	DZD 111.2646	DZD 113.1281	DZD 115.2074	
	DZD	B	EUR 1 =	DZD 121.0722	DZD 131.5527	DZD 133.5074	DZD 134.0379	
		S	EUR 1 =	DZD 121.1234	DZD 131.6038	DZD 133.5477	DZD 134.0784	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 163.205	AOA 165.095	AOA 165.096	AOA 165.097	
		S	USD 1 =	AOA 164.837	AOA 166.746	AOA 166.747	AOA 166.748	
	AOA	B	EUR 1 =	AOA 182.043	AOA 184.494	AOA 184.495	AOA 184.496	
		S	EUR 1 =	AOA 183.827	AOA 186.300	AOA 186.301	AOA 186.302	
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 2.9756	XCD 3.1788	XCD 3.1737	XCD 3.1285	
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2127	XCD 3.2076	XCD 3.1619	
Argentina								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 14.6816	ARS 17.2100	ARS 17.2100	ARS 17.5550	
		S	USD 1 =	ARS 14.7816	ARS 17.3100	ARS 17.3100	ARS 17.6550	
	ARS	B	EUR 1 =	ARS 16.2264	ARS 20.4506	ARS 20.2940	ARS 20.4305	
		S	EUR 1 =	ARS 16.3739	ARS 20.6127	ARS 20.4552	ARS 20.5910	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 480.52	AMD 478.44	AMD 478.41	AMD 482.87	
		M	EUR 1 =	AMD 531.12	AMD 568.15	AMD 564.57	AMD 561.58	
Aruba								
Oranjestad 474	Aruban florin = 100 cent	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 196.87	AWG 210.61	AWG 210.27	AWG 207.28	
		S	EUR 100 =	AWG 198.85	AWG 212.73	AWG 212.38	AWG 209.36	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7437	USD 0.7898	USD 0.7839	USD 0.7673
		M	AUD 1 =	EUR 0.6741	EUR 0.6652	EUR 0.6658	EUR 0.6600
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Azerbaijan							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.5993	AZN 1.7010	AZN 1.7002	AZN 1.7002
		M	EUR 1 =	AZN 1.7664	AZN 2.0204	AZN 2.0027	AZN 1.9767
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 1.10137	BSD 1.17659	BSD 1.17470	BSD 1.15798
		V, S	EUR 1 =	BSD 1.12074	BSD 1.19728	BSD 1.19536	BSD 1.17835
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 0.4033858	BHD 0.4347540	BHD 0.4303114	BHD 0.4256651
S	EUR 1 =	BHD 0.4283375	BHD 0.4616460	BHD 0.4569286	BHD 0.4519949		
Bangladesh ¹							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 77.9750	BDT 80.7000	BDT 80.8000	BDT 80.8800
		S	USD 1 =	BDT 78.9650	BDT 80.7000	BDT 80.8000	BDT 80.9000
		B	EUR 1 =	BDT 84.7274	BDT 95.8797	BDT 95.4410	BDT 94.1767
		S	EUR 1 =	BDT 88.2358	BDT 95.9120	BDT 95.4733	BDT 94.2323
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 2.19619	BBD 2.36669	BBD 2.34737	BBD 2.31671
		S	EUR 1 =	BBD 2.23736	BBD 2.41106	BBD 2.39138	BBD 2.36014
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 1.9916 ³	BYN 1.9335	BYN 1.9623	BYN 1.9722
		M	EUR 1 =	BYN 2.2021 ³	BYN 2.3108	BYN 2.3141	BYN 2.2918

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Value against the US dollar. ³ Currency conversion effective from 1 July 2016:

BYR 10,000 = BYN 1; to calculate the annual average for 2016, the rates set in (old) Belarusian rouble were converted at a rate of 10,000:1 and included in the calculation.

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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Belize							
Belmopan 421	Belize dollar = 100 cents	² B	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
		² S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
	B	EUR 1 =	BZD 2.1888	BZD 2.3485	BZD 2.3368	BZD 2.3062	
	BZD	S	EUR 1 =	BZD 2.2274	BZD 2.3899	BZD 2.3780	BZD 2.3470
Benin ¹							
Porto-Novo Seat of Government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 554.721	XOF 555.613	XOF 563.634
		³	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Bermuda							
Hamilton 413	Bermudian dollar = 100 cents	² B	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
		² S	USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
	V, B	EUR 1 =	BMD 1.1025	BMD 1.1778	BMD 1.1759	BMD 1.1591	
	V, S	EUR 1 =	BMD 1.1117	BMD 1.1876	BMD 1.1857	BMD 1.1688	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 67.04	BTN 62.90	BTN 64.50	BTN 63.75
		S	USD 1 =	BTN 67.94	BTN 64.95	BTN 66.65	BTN 65.90
	B	EUR 1 =	BTN 73.90	BTN 75.15	BTN 75.90	BTN 74.20	
	S	EUR 1 =	BTN 74.78	BTN 77.25	BTN 78.00	BTN 76.25	
Bolivia, Plurinational State of							
Sucre Seat of Government: La Paz 516	Boliviano = 100 centavos BOB	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
		S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		V, B	EUR 1 =	BOB 7.5883	BOB 8.1120	BOB 8.0989	BOB 7.9837
		V, S	EUR 1 =	BOB 7.6989	BOB 8.2302	BOB 8.2170	BOB 8.1000
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.768868	BAM 1.637245	BAM 1.652499	BAM 1.680107
		S	USD 1 =	BAM 1.777735	BAM 1.645451	BAM 1.660783	BAM 1.688529
	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 0.0923	USD 0.0987	USD 0.0974	USD 0.0950
		S	BWP 1 =	USD 0.0921	USD 0.0985	USD 0.0972	USD 0.0948
	B	BWP 1 =	EUR 0.0836	EUR 0.0833	EUR 0.0824	EUR 0.0817	
	S	BWP 1 =	EUR 0.0834	EUR 0.0831	EUR 0.0823	EUR 0.0814	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.4827	BRL 3.1465	BRL 3.1674	BRL 3.2763
		S	USD 1 =	BRL 3.4833	BRL 3.1471	BRL 3.1680	BRL 3.2769
	BRL	B	EUR 1 =	BRL 3.8029	BRL 3.7415	BRL 3.7410	BRL 3.8126
		S	EUR 1 =	BRL 3.8043	BRL 3.7435	BRL 3.7430	BRL 3.8140
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3729	BND 1.3473	BND 1.3483	BND 1.3503
		S	USD 1 =	BND 1.3939	BND 1.3683	BND 1.3693	BND 1.3713
	BND	B	EUR 1 =	BND 1.4995	BND 1.5888	BND 1.5746	BND 1.5590
		S	EUR 1 =	BND 1.5562	BND 1.6456	BND 1.6314	BND 1.6158
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.76889	BGN 1.65398	BGN 1.65664	BGN 1.68056
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
Burkina Faso ¹							
Ouagadougou 236	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 554.721	XOF 555.613	XOF 563.634
		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 1,640.7922	BIF 1,726.2729	BIF 1,733.2821	BIF 1,739.2122
		S	USD 1 =	BIF 1,673.9395	BIF 1,761.1471	BIF 1,768.2979	BIF 1,774.3478
	BIF	B	EUR 1 =	BIF 1,808.9191	BIF 2,049.9490	BIF 2,040.7663	BIF 2,025.0517
		S	EUR 1 =	BIF 1,845.4629	BIF 2,091.3622	BIF 2,081.9939	BIF 2,065.9619
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 100.009	CVE 92.434	CVE 93.518	CVE 94.857
		S	USD 1 =	CVE 100.211	CVE 92.636	CVE 93.720	CVE 95.059
	CVE	2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265
Cambodia							
Phnom Penh 696	Riel = 100 sen KHR	M	USD 1 =	KHR 4,056	KHR 4,050	KHR 4,053	KHR 4,037
		B	EUR 1 =	KHR 4,477	KHR 4,814	KHR 4,775	KHR 4,702
	S	EUR 1 =	KHR 4,522	KHR 4,862	KHR 4,823	KHR 4,749	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 554.721	XAF 555.613	XAF 563.634
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
Canada							
Ottawa 404	Canadian dollar = 100 cents CAD	M	USD 1 =	CAD 1.3248	CAD 1.2536	CAD 1.2480	CAD 1.2893
		M	EUR 1 =	CAD 1.4585	CAD 1.4887	CAD 1.4742	CAD 1.5014

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
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 0.9224	KYD 0.9854	KYD 0.9838	KYD 0.9698
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 554.721	XAF 555.613	XAF 563.634
		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 592.607	XAF 554.721	XAF 555.613	XAF 563.634
		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 676.30	CLP 628.36	CLP 636.85	CLP 636.49
		M	EUR 1 =	CLP 748.75	CLP 747.51	CLP 750.47	CLP 740.28
China							
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.6420	CNY 6.6010	CNY 6.6369	CNY 6.6397
		M	EUR 1 =	CNY 7.3417	CNY 7.8525	CNY 7.8233	CNY 7.7333
		M	HKD 1 =	CNY 0.85648	CNY 0.84358	CNY 0.84966	CNY 0.85128
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 32.20	TWD 30.11	TWD 30.19	TWD 30.11
		S	USD 1 =	TWD 32.30	TWD 30.21	TWD 30.29	TWD 30.21
		B	EUR 1 =	TWD 35.46	TWD 35.64	TWD 35.58	TWD 34.90
		S	EUR 1 =	TWD 35.86	TWD 36.04	TWD 35.98	TWD 35.30
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,054.174	COP 2,937.09	COP 2,941.07	COP 3,011.44
		V, M	EUR 1 =	COP 3,378.388	COP 3,473.109	COP 3,472.227	COP 3,504.714
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 444.45546	KMF 416.04038	KMF 416.70994	KMF 422.72534
		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 592.607	XAF 554.721	XAF 555.613	XAF 563.634
		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 Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Congo, Democratic Republic of the							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,001.9582	CDF 1,524.8613	CDF 1,535.5290	CDF 1,542.9727
		S	USD 1 =	CDF 1,042.8545	CDF 1,587.1006	CDF 1,598.2036	CDF 1,605.9512
	CDF	B	EUR 1 =	CDF 1,101.1857	CDF 1,815.7035	CDF 1,810.6953	CDF 1,791.4492
		S	EUR 1 =	CDF 1,146.1321	CDF 1,889.8138	CDF 1,884.6012	CDF 1,864.5696
Cook Islands ¹							
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6477	EUR 0.6193	EUR 0.6277	EUR 0.6044
		S	NZD 1 =	EUR 0.6197	EUR 0.5928	EUR 0.6009	EUR 0.5783
Costa Rica							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 539.45	CRC 571.91	CRC 568.33	CRC 566.65
		S	USD 1 =	CRC 552.06	CRC 577.42	CRC 574.13	CRC 572.11
	CRC	V, B	EUR 1 =	CRC 595.0202	CRC 676.2836	CRC 670.9704	CRC 659.4673
		V, S	EUR 1 =	CRC 608.9289	CRC 682.7992	CRC 677.8179	CRC 665.8216
Côte d'Ivoire ¹							
Yamoussoukro Seat of Government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 554.721	XOF 555.613	XOF 563.634
		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 6.793055	HRK 6.183937	HRK 6.334964	HRK 6.432403
		S	USD 1 =	HRK 6.833936	HRK 6.221153	HRK 6.373088	HRK 6.471113
	HRK	B	EUR 1 =	HRK 7.504508	HRK 7.388569	HRK 7.474624	HRK 7.485387
		S	EUR 1 =	HRK 7.549670	HRK 7.433033	HRK 7.519606	HRK 7.530435
Cuba ¹							
Havana 448	Convertible peso / Cuban peso = 100 centavos	⁴ B	CUC 1 =	USD 1.03360	USD 1.03360	USD 1.02827	USD 1.02827
		⁴ S	CUC 1 =	USD 0.96852	USD 0.96852	USD 0.97324	USD 0.97324
	CUC / CUP	B	EUR 1 =	CUC 1.06595	CUC 1.15576	CUC 1.14623	CUC 1.13126
		S	EUR 1 =	CUC 1.13772	CUC 1.22114	CUC 1.21107	CUC 1.19524
Curaçao							
Willemstad 477	Netherlands Antillean guilder = 100 cent	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 196.48	ANG 210.61	ANG 210.27	ANG 206.82
		S	EUR 100 =	ANG 200.44	ANG 214.85	ANG 214.51	ANG 210.98
Cyprus							
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Czechia							
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 24.432	CZK 22.073	CZK 22.003	CZK 22.060
		M	EUR 1 =	CZK 27.043	CZK 26.105	CZK 25.975	CZK 25.670

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 673.27	DKK 629.04	DKK 630.38	DKK 639.39
		M	EUR 100 =	DKK 744.51	DKK 743.84	DKK 744.23	DKK 744.12
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 193.21	DJF 210.25	DJF 205.88	DJF 204.06
		S	EUR 1 =	DJF 201.01	DJF 218.46	DJF 213.92	DJF 212.02
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 2.9756	XCD 3.1788	XCD 3.1737	XCD 3.1285
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2127	XCD 3.2076	XCD 3.1619
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 45.7225	DOP 47.2716	DOP 47.3813	DOP 47.5059
		S	USD 1 =	DOP 46.1276	DOP 47.6665	DOP 47.7862	DOP 47.9332
		B	EUR 1 =	DOP 49.5990	DOP 55.0168	DOP 55.1874	DOP 54.7561
		S	EUR 1 =	DOP 52.9180	DOP 58.2603	DOP 58.2215	DOP 57.7402
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 10.1049	EGP 17.6300	EGP 17.6000	EGP 17.6000
		S	USD 1 =	EGP 10.1571	EGP 17.7300	EGP 17.7000	EGP 17.7000
		B	EUR 1 =	EGP 11.0444	EGP 20.9709	EGP 20.6290	EGP 20.4618
		S	EUR 1 =	EGP 11.2018	EGP 21.2476	EGP 20.8772	EGP 20.6258
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 9.6854	SVC 10.3469	SVC 10.3303	SVC 10.1833
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 554.721	XAF 555.613	XAF 563.634
		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 15.70	ERN 15.15	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 16.5083	ERN 17.9055	ERN 17.8140	ERN 17.4480
		S	EUR 1 =	ERN 17.2575	ERN 18.5417	ERN 18.9919	ERN 18.0842
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 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 2016	Rate at end of month			
					August 2017	September 2017	October 2017	
Ethiopia ¹								
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 21.7838	ETB 23.2972	ETB 23.3854	ETB 27.0234	¹
		S	USD 1 =	ETB 22.2195	ETB 23.7631	ETB 23.8531	ETB 27.5639	¹
	ETB	B	EUR 1 =	ETB 24.0212	ETB 27.7633	ETB 27.6018	ETB 31.4444	¹
		S	EUR 1 =	ETB 24.5107	ETB 28.3280	ETB 28.1634	ETB 32.0761	¹
Falkland Islands (Islas Malvinas)								
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.74034	FKP 0.77778	FKP 0.74689	FKP 0.75488	
		V	EUR 1 =	FKP 0.81948	FKP 0.91973	FKP 0.88178	FKP 0.87853	
Fiji								
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4855	USD 0.5000	USD 0.4991	USD 0.4905	
		S	FJD 1 =	USD 0.4685	USD 0.4830	USD 0.4821	USD 0.4735	
	FJD	B	FJD 1 =	EUR 0.4383	EUR 0.4192	EUR 0.4218	EUR 0.4191	
		S	FJD 1 =	EUR 0.4263	EUR 0.4072	EUR 0.4098	EUR 0.4071	
Finland								
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638	
France								
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638	
Gabon ¹								
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 554.721	XAF 555.613	XAF 563.634	
		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 43.41	GMD 47.00	GMD 47.22	GMD 47.45	
		M	EUR 1 =	GMD 48.60	GMD 55.41	GMD 56.52	GMD 56.31	
Georgia								
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.3757	GEL 2.4274	GEL 2.4835	GEL 2.5873	
		M	EUR 1 =	GEL 2.6255	GEL 2.9000	GEL 2.9258	GEL 3.0106	
Germany								
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638	

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

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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 2016	Rate at end of month			
					August 2017	September 2017	October 2017	
Ghana								
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 3.9280	GHS 4.3972	GHS 4.3922	GHS 4.3743	
		S	USD 1 =	GHS 3.9319	GHS 4.4016	GHS 4.3966	GHS 4.3787	
	GHS	B	EUR 1 =	GHS 4.3326	GHS 5.2197	GHS 5.1922	GHS 5.0915	
		S	EUR 1 =	GHS 4.3360	GHS 5.2232	GHS 5.1958	GHS 5.0964	
	Gibraltar							
	Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V	USD 1 =	GIP 0.74034	GIP 0.77778	GIP 0.74689	GIP 0.75488
V			EUR 1 =	GIP 0.81948	GIP 0.91973	GIP 0.88178	GIP 0.87853	
Greece ¹								
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638	
Grenada								
St George's 473	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 3.1788	XCD 3.1737	XCD 3.1285	
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2127	XCD 3.2076	XCD 3.1619	
	Guatemala							
	Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.60438	GTQ 7.29086	GTQ 7.34427	GTQ 7.34271
V, M			EUR 1 =	GTQ 8.39003	GTQ 8.62144	GTQ 8.67065	GTQ 8.54545	
Guinea								
Conakry 260	Guinean franc	B	USD 1 =	GNF 8,612.0636	GNF 8,780.0000	GNF 8,730.0000	GNF 8,710.0000	
		S	USD 1 =	GNF 9,088.2761	GNF 9,050.0000	GNF 9,000.0000	GNF 9,050.0000	
	GNF	B	EUR 1 =	GNF 9,484.4388	GNF 10,446.9708	GNF 10,292.6700	GNF 10,137.7432	
		S	EUR 1 =	GNF 10,008.4364	GNF 10,768.2330	GNF 10,611.0000	GNF 10,533.4760	
	Guinea-Bissau ¹							
	Bissau 257	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 554.721	XOF 555.613	XOF 563.634
4			EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957	
Guyana								
Georgetown 488	Guyana dollar = 100 cents	B	USD 1 =	GYD 205.98	GYD 205.98	GYD 205.98	GYD 205.98	
		S	USD 1 =	GYD 208.44	GYD 208.44	GYD 208.44	GYD 208.44	
	GYD	B	EUR 1 =	GYD 227.14	GYD 243.58	GYD 243.18	GYD 239.50	
		S	EUR 1 =	GYD 230.06	GYD 246.68	GYD 246.29	GYD 242.56	

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

² Value (1:1) against 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 63.7147	HTG 62.6587	HTG 62.6900	HTG 62.9405
		V, M	EUR 1 =	HTG 70.2563	HTG 74.0939	HTG 74.0118	HTG 73.2502
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 22.8835	HNL 23.3801	HNL 23.3962	HNL 23.5249
		S	USD 1 =	HNL 23.0436	HNL 23.5438	HNL 23.5600	HNL 23.6896
		V, B	EUR 1 =	HNL 25.2388	HNL 27.6470	HNL 27.6216	HNL 27.3783
		V, S	EUR 1 =	HNL 25.4155	HNL 27.8405	HNL 27.8149	HNL 27.5700
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.74365	HKD 7.80560	HKD 7.79040	HKD 7.78040
		S	USD 1 =	HKD 7.78145	HKD 7.84560	HKD 7.83040	HKD 7.82060
		B	EUR 1 =	HKD 8.52775	HKD 9.26934	HKD 9.18024	HKD 9.04054
		S	EUR 1 =	HKD 8.58753	HKD 9.33676	HKD 9.24766	HKD 9.10786
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 281.44	HUF 257.33	HUF 263.75	HUF 267.68
		M	EUR 1 =	HUF 311.84	HUF 306.14	HUF 311.23	HUF 311.42
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 120.14	ISK 104.91	ISK 105.22	ISK 104.87
		S	USD 1 =	ISK 120.71	ISK 105.41	ISK 105.72	ISK 105.37
		B	EUR 1 =	ISK 133.22	ISK 124.35	ISK 124.20	ISK 121.91
		S	EUR 1 =	ISK 133.96	ISK 125.05	ISK 124.90	ISK 122.59
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	B	USD 1 =	INR 66.81	INR 63.60	INR 64.95	INR 64.05
		S	USD 1 =	INR 67.79	INR 64.45	INR 65.80	INR 65.55
		B	EUR 1 =	INR 73.35	INR 75.21	INR 76.15	INR 74.14
		S	EUR 1 =	INR 75.08	INR 76.86	INR 77.81	INR 76.53
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 13,243.83	IDR 13,284.00	IDR 13,425.00	IDR 13,504.00
		S	USD 1 =	IDR 13,376.83	IDR 13,418.00	IDR 13,559.00	IDR 13,640.00
		B	EUR 1 =	IDR 14,633.44	IDR 15,774.75	IDR 15,814.65	IDR 15,711.90
		S	EUR 1 =	IDR 14,784.94	IDR 15,939.24	IDR 15,975.21	IDR 15,872.87
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 31,002	IRR 33,208	IRR 33,805	IRR 34,954
		M	EUR 1 =	IRR 34,194	IRR 39,440	IRR 39,666	IRR 40,659

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Iraq ¹							
Baghdad 612	Iraqi dinar = 1,000 fils IQD	2 B S	USD 1 =	IQD 1,180.000	IQD 1,182.000	IQD 1,182.000	IQD 1,182.000
			USD 1 =	IQD 1,182.000	IQD 1,184.000	IQD 1,184.000	
		B S	EUR 1 =	IQD 1,301.283	IQD 1,409.439	IQD 1,393.818	IQD 1,377.250
			EUR 1 =	IQD 1,301.934	IQD 1,410.144	IQD 1,394.515	IQD 1,377.939
		3 B S	USD 1 =	IQD –	IQD 1,244.00	IQD 1,246.00	IQD 1,254.00
			USD 1 =	IQD –	IQD –	IQD 1,248.00	IQD 1,250.00
V, B V, S	EUR 1 =	IQD –	IQD 1,471.03	IQD 1,471.03	IQD 1,459.41		
V, S	EUR 1 =	IQD –	IQD –	IQD 1,475.76	IQD 1,475.75	IQD 1,465.22	
Ireland							
Dublin 007	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Israel							
Jerusalem 624	New Israeli sheqel = 100 agorot ILS	M	USD 1 =	ILS 3.8406	ILS 3.5960	ILS 3.5290	ILS 3.5210
		M	EUR 1 =	ILS 4.2256	ILS 4.2607	ILS 4.1569	ILS 4.0956
Italy							
Rome 005	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Jamaica							
Kingston 464	Jamaican dollar = 100 cents JMD	B S	USD 1 =	JMD 125.0655	JMD 128.8710	JMD 128.4890	JMD 126.0833
			USD 1 =	JMD 125.7664	JMD 129.6466	JMD 129.9127	JMD 127.2868
		B S	EUR 1 =	JMD 136.03736	JMD 146.1338	JMD 147.3188	JMD 141.3232
			EUR 1 =	JMD 139.02909	JMD 153.5487	JMD 152.4545	JMD 146.7183
Japan							
Tokyo 732	Japanese yen = 100 sen JPY	B S	USD 1 =	JPY 107.70	JPY 109.42	JPY 111.73	JPY 112.16
			USD 1 =	JPY 109.70	JPY 111.42	JPY 113.73	JPY 114.16
		B S	EUR 1 =	JPY 119.13	JPY 129.84	JPY 131.35	JPY 130.26
			EUR 1 =	JPY 122.13	JPY 132.84	JPY 134.35	JPY 133.26
Jordan							
Amman 628	Jordanian dinar = 1,000 fils JOD	2 B S	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
			USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	
		B S	EUR 1 =	JOD 0.77769	JOD 0.84429	JOD 0.82985	JOD 0.82312
			EUR 1 =	JOD 0.78450	JOD 0.85086	JOD 0.83666	JOD 0.82736
Kazakhstan							
Astana 079	Tenge = 100 tiyn KZT	M	USD 1 =	KZT 342.02	KZT 334.70	KZT 341.19	KZT 334.00
		M	EUR 1 =	KZT 378.27	KZT 402.91	KZT 402.64	KZT 388.81

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. **1** Explanatory notes on individual countries, see p 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 2016	Rate at end of month			
					August 2017	September 2017	October 2017	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 101.4201	KES 102.7139	KES 103.1472	KES 103.5944	
		S	USD 1 =	KES 101.6164	KES 102.9083	KES 103.3472	KES 103.7944	
	KES	B	EUR 1 =	KES 111.7446	KES 121.6989	KES 121.5350	KES 120.1489	
		S	EUR 1 =	KES 111.9896	KES 121.9583	KES 121.8056	KES 120.4011	
	Korea, Democratic People's Republic of							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 108.00	KPW 104.63 ²	KPW 105.34 ²	KPW 106.00 ²
S			USD 1 =	KPW 108.82	KPW 105.42 ²	KPW 106.13 ²	KPW 106.80 ²	
KPW		B	EUR 1 =	KPW 119.03	KPW 125.05 ²	KPW 124.18 ²	KPW 123.33 ²	
		S	EUR 1 =	KPW 119.92	KPW 125.99 ²	KPW 125.12 ²	KPW 124.26 ²	
Korea, Republic of								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,150.51	KRW 1,116.00	KRW 1,134.80	KRW 1,108.60
	S		USD 1 =	KRW 1,173.19	KRW 1,138.00	KRW 1,157.20	KRW 1,130.40	
	KRW	B	EUR 1 =	KRW 1,266.75	KRW 1,321.48	KRW 1,340.35	KRW 1,289.29	
		S	EUR 1 =	KRW 1,292.34	KRW 1,348.16	KRW 1,367.41	KRW 1,315.33	
	Kuwait							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30140	KWD 0.29980	KWD 0.30085	KWD 0.30140
S			USD 1 =	KWD 0.30463	KWD 0.30390	KWD 0.30445	KWD 0.30500	
KWD		B	EUR 1 =	KWD 0.332598	KWD 0.356597	KWD 0.354612	KWD 0.350588	
		S	EUR 1 =	KWD 0.336156	KWD 0.361474	KWD 0.358855	KWD 0.354776	
Kyrgyzstan								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 69.7909	KGS 68.6880	KGS 68.6585	KGS 68.7200
	M		EUR 1 =	KGS 77.1283	KGS 82.0513	KGS 80.9518	KGS 79.9282	
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 8,110	LAK 8,272	LAK 8,277	LAK 8,284	
		S	USD 1 =	LAK 8,146	LAK 8,309	LAK 8,314	LAK 8,321	
	LAK	B	EUR 1 =	LAK 8,938	LAK 9,819	LAK 9,734	LAK 9,628	
		S	EUR 1 =	LAK 8,980	LAK 9,866	LAK 9,780	LAK 9,673	
	Latvia							
	Riga 054	Euro = 100 cents	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
	EUR							
Lebanon								
Beirut 604	Lebanese pound = 100 piastres	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	
		M	EUR 1 =	LBP 1,666.27	LBP 1,787.90	LBP 1,777.49	LBP 1,754.58	
	LBP							
Lesotho ¹								
Maseru 395	Loti = 100 lisente	M	USD 1 =	LSL 14.6321	LSL 13.0540	LSL 13.4589	LSL 14.1185	
		M	EUR 1 =	LSL 16.2188	LSL 15.4612	LSL 15.9205	LSL 16.4276	
	LSL							

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 94.33	LRD 116.33	LRD 117.28	LRD 118.96
		S	USD 1 =	LRD 95.33	LRD 116.97	LRD 118.15	LRD 119.79
	LRD	V, B	EUR 1 =	LRD 104.0004	LRD 137.5602	LRD 138.4608	LRD 138.4456
		V, S	EUR 1 =	LRD 105.1035	LRD 138.3170	LRD 139.4879	LRD 139.4116
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3904	LYD 1.3591	LYD 1.3676	LYD 1.3718
		S	USD 1 =	LYD 1.3973	LYD 1.3659	LYD 1.3744	LYD 1.3787
	LYD	B	EUR 1 =	LYD 1.5321	LYD 1.6243	LYD 1.6057	LYD 1.5971
		S	EUR 1 =	LYD 1.5398	LYD 1.6324	LYD 1.6137	LYD 1.6051
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 7.9839	MOP 8.0504	MOP 8.0342	MOP 8.0245
		S	USD 1 =	MOP 8.0158	MOP 8.0824	MOP 8.0662	MOP 8.0565
	MOP	B	EUR 1 =	MOP 8.7839	MOP 9.5387	MOP 9.4596	MOP 9.3200
		S	EUR 1 =	MOP 8.8539	MOP 9.6179	MOP 9.5388	MOP 9.3992
Macedonia, former Yugoslav Republic of							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 55.4361	MKD 51.5141	MKD 51.8047	MKD 52.6796
		S	USD 1 =	MKD 55.9933	MKD 52.0319	MKD 52.3254	MKD 53.2091
	MKD	B	EUR 1 =	MKD 61.2875	MKD 61.3842	MKD 61.1607	MKD 61.1716
		S	EUR 1 =	MKD 61.9035	MKD 62.0012	MKD 61.7753	MKD 61.7864
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,179.59	MGA 2,952.15	MGA 3,020.95	MGA 3,152.87
		M	EUR 1 =	MGA 3,508.46	MGA 3,511.62	MGA 3,557.77	MGA 3,663.11
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 707.6550	MWK 716.2059	MWK 716.2137	MWK 716.2039
		S	USD 1 =	MWK 725.5648	MWK 734.7785	MWK 734.7865	MWK 734.7765
	MWK	B	EUR 1 =	MWK 780.5850	MWK 850.4229	MWK 843.6281	MWK 833.5181
		S	EUR 1 =	MWK 800.3427	MWK 872.4760	MWK 865.5050	MWK 855.1329

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Malaysia							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.0849	MYR 4.2024	MYR 4.1611	MYR 4.1680
		S	USD 1 =	MYR 4.2091	MYR 4.3356	MYR 4.2929	MYR 4.3001
	MYR	B	EUR 1 =	MYR 4.4830	MYR 5.0115	MYR 4.8808	MYR 4.8340
		S	EUR 1 =	MYR 4.6592	MYR 5.2119	MYR 5.0759	MYR 5.0273
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.37	MVR 15.42	MVR 15.41	MVR 15.42
		V, M	EUR 1 =	MVR 16.95186	MVR 18.23415	MVR 18.19305	MVR 17.94580
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 554.721	XOF 555.613	XOF 563.634
		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 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Mauritania							
Nouakchott 228	Ouguiya = 5 khoums MRO	B	USD 1 =	MRO 351.33	MRO 353.95	MRO 354.07	MRO 352.32
		S	USD 1 =	MRO 354.85	MRO 357.50	MRO 357.62	MRO 355.85
	MRO	B	EUR 1 =	MRO 387.32	MRO 419.47	MRO 417.20	MRO 409.82
		S	EUR 1 =	MRO 391.20	MRO 423.67	MRO 421.39	MRO 413.93
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 35.1574	MUR 32.4168	MUR 33.2879	MUR 33.6751
		S	USD 1 =	MUR 36.3850	MUR 33.6989	MUR 34.5912	MUR 34.9729
	MUR	B	EUR 1 =	MUR 38.7731	MUR 38.4872	MUR 39.1904	MUR 39.1559
		S	EUR 1 =	MUR 40.1439	MUR 39.9859	MUR 40.6997	MUR 40.6764
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 18.7528	MXN 17.7735	MXN 18.1725	MXN 19.1485
		S	USD 1 =	MXN 18.7586	MXN 17.7795	MXN 18.1785	MXN 19.1545
	MXN	V, B	EUR 1 =	MXN 20.6145	MXN 21.0172	MXN 21.4545	MXN 22.2850
		V, S	EUR 1 =	MXN 20.6211	MXN 21.0243	MXN 21.4615	MXN 22.2920
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 19.9399	MDL 17.8543	MDL 17.6117	MDL 17.3182
		M	EUR 1 =	MDL 22.0525	MDL 21.4858	MDL 20.7465	MDL 20.1489
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,165.48	MNT 2,430.05	MNT 2,464.43	MNT 2,456.17
		M	EUR 1 =	MNT 2,382.89	MNT 2,889.33	MNT 2,906.67	MNT 2,859.23

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. 1 Explanatory notes on individual countries, see p 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 2016	Rate at end of month			
					August 2017	September 2017	October 2017	
Morocco								
Rabat 204	Moroccan dirham = 100 centimes	B	USD 1 =	MAD 9.7860	MAD 9.3605	MAD 9.3927	MAD 9.4664	
		S	USD 1 =	MAD 9.8449	MAD 9.4167	MAD 9.4491	MAD 9.5233	
	MAD	B	EUR 1 =	MAD 10.811	MAD 11.112	MAD 11.089	MAD 11.037	
		S	EUR 1 =	MAD 10.876	MAD 11.179	MAD 11.156	MAD 11.103	
	Mozambique							
	Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 63.35	MZN 60.83	MZN 60.70	MZN 60.20
S			USD 1 =	MZN 63.49	MZN 62.02	MZN 61.87	MZN 61.32	
MZN		B	EUR 1 =	MZN 69.84	MZN 72.21	MZN 71.36	MZN 70.05	
		S	EUR 1 =	MZN 69.99	MZN 73.62	MZN 72.74	MZN 71.36	
Myanmar								
Nay Pyi Taw 676		Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,241.08	MMK 1,360.00	MMK 1,360.00	MMK 1,366.00
	M		EUR 1 =	MMK 1,369.15	MMK 1,617.40	MMK 1,601.80	MMK 1,590.30	
Namibia ¹								
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 14.6574	NAD 13.0243	NAD 13.5520	NAD 14.0548	
		M	EUR 1 =	NAD 16.1723	NAD 15.4664	NAD 15.9586	NAD 16.3564	
Nepal								
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 107.52	NPR 102.13	NPR 104.16	NPR 103.47	
		S	USD 1 =	NPR 108.12	NPR 102.73	NPR 104.76	NPR 104.07	
	NPR	B	EUR 1 =	NPR 118.49	NPR 121.91	NPR 123.03	NPR 120.39	
		S	EUR 1 =	NPR 119.15	NPR 122.63	NPR 123.74	NPR 121.09	
	Netherlands							
	Amsterdam Seat of Government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
New Caledonia ¹								
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.28	USD 9.91	USD 9.89	USD 9.75	
		2	XPF 1,000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38	
New Zealand								
Wellington 804	New Zealand dollar = 100 cents	B	NZD 1 =	USD 0.7109	USD 0.7331	USD 0.7372	USD 0.7011	
		S	NZD 1 =	USD 0.6855	USD 0.7072	USD 0.7111	USD 0.6760	
	NZD	B	NZD 1 =	EUR 0.6477	EUR 0.6193	EUR 0.6277	EUR 0.6044	
		S	NZD 1 =	EUR 0.6197	EUR 0.5928	EUR 0.6009	EUR 0.5783	

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 28.6774	NIO 30.2929	NIO 30.4146	NIO 30.5409
		V, M	EUR 1 =	NIO 31.63069	NIO 35.82135	NIO 35.90748	NIO 35.54350
Niger 1							
Niamey 240	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 554.721	XOF 555.613	XOF 563.634
		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 253.31	NGN 304.85	NGN 304.75	NGN 304.80
		S	USD 1 =	NGN 254.31	NGN 305.85	NGN 305.75	NGN 305.80
		B	EUR 1 =	NGN 279.4240	NGN 360.8814	NGN 359.8793	NGN 354.6958
		S	EUR 1 =	NGN 280.5293	NGN 362.0652	NGN 361.0602	NGN 355.8595
Norway							
Oslo 028	Norwegian krone = 100 øre NOK	B	USD 1 =	NOK 8.3694	NOK 7.7732	NOK 7.9157	NOK 8.1238
		S	USD 1 =	NOK 8.4325	NOK 7.8382	NOK 7.9807	NOK 8.1888
		B	EUR 1 =	NOK 9.2357	NOK 9.2465	NOK 9.3389	NOK 9.4608
		S	EUR 1 =	NOK 9.3054	NOK 9.3185	NOK 9.4109	NOK 9.5328
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 0.4231360	OMR 0.4600320	OMR 0.4505088	OMR 0.4465536
		S	EUR 1 =	OMR 0.4244048	OMR 0.4613070	OMR 0.4517590	OMR 0.4478320
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B	USD 1 =	PKR 104.40	PKR 105.20	PKR 105.25	PKR 105.35
		S	USD 1 =	PKR 104.60	PKR 105.40	PKR 105.45	PKR 105.55
		B	EUR 1 =	PKR 115.40	PKR 124.97	PKR 124.04	PKR 122.59
		S	EUR 1 =	PKR 115.62	PKR 125.21	PKR 124.27	PKR 122.82
Panama 1							
Panama City 442	Balboa = 100 centésimos PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1069	PAB 1.1825	PAB 1.1806	PAB 1.1638
Papua New Guinea							
Port Moresby 801	Kina = 100 toea PGK	B	PGK 1 =	USD 0.3260	USD 0.3210	USD 0.3200	USD 0.3190
		S	PGK 1 =	USD 0.3110	USD 0.3060	USD 0.3050	USD 0.3040
		B	EUR 1 =	EUR 0.2938	EUR 0.2683	EUR 0.2699	EUR 0.2723
		S	EUR 1 =	EUR 0.2791	EUR 0.2533	EUR 0.2550	EUR 0.2573

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. 1 Explanatory notes on individual countries, see p 57 ff. 2 Value against the euro. 3 Value against the US dollar. 4 Parity in relation to 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,672.44	PYG 5,649.44	PYG 5,653.58	PYG 5,631.82
		S	USD 1 =	PYG 5,685.30	PYG 5,659.56	PYG 5,659.58	PYG 5,641.63
	PYG	V, B	EUR 1 =	PYG 6,272.17	PYG 6,680.46	PYG 6,674.62	PYG 6,554.31
		V, S	EUR 1 =	PYG 6,286.42	PYG 6,692.43	PYG 6,681.70	PYG 6,565.73
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.372	PEN 3.239	PEN 3.263	PEN 3.246
		S	USD 1 =	PEN 3.377	PEN 3.242	PEN 3.267	PEN 3.250
	PEN	B	EUR 1 =	PEN 3.628	PEN 3.830	PEN 3.797	PEN 3.720
		S	EUR 1 =	PEN 3.878	PEN 3.913	PEN 4.062	PEN 3.895
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 46.87244	PHP 50.95000	PHP 50.00000	PHP 51.40000
		S	USD 1 =	PHP 48.25174	PHP 51.45000	PHP 51.10000	PHP 51.90000
	PHP	B	EUR 1 =	PHP 51.72197	PHP 59.87000	PHP 58.90000	PHP 58.96000
		S	EUR 1 =	PHP 53.24397	PHP 62.51000	PHP 61.51000	PHP 61.55000
Poland							
Warsaw 060	Polish zloty = 100 groszy	M	USD 1 =	PLN 3.9435	PLN 3.5822	PLN 3.6519	PLN 3.6529
	PLN	M	EUR 1 =	PLN 4.3757	PLN 4.2618	PLN 4.3091	PLN 4.2498
Portugal							
Lisbon 010	Euro = 100 cent	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
	EUR						
Qatar							
Doha 644	Qatari riyal = 100 dirham	2	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.014	QAR 4.304	QAR 4.297	QAR 4.236
	QAR						
Romania							
Bucharest 066	Romanian leu = 100 bani	M	USD 1 =	RON 4.0569	RON 3.8654	RON 3.8977	RON 3.9533
		M	EUR 1 =	RON 4.4934	RON 4.5906	RON 4.5991	RON 4.5985
	RON						
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks	M	USD 1 =	RUB 66.8335	RUB 58.7306	RUB 58.0169	RUB 57.8716
		M	EUR 1 =	RUB 73.2104	RUB 70.2007	RUB 68.4483	RUB 67.2179
	RUB						

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. 1 Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 780.776613	RWF 826.523780	RWF 829.411964	RWF 832.080233
		S	USD 1 =	RWF 796.390569	RWF 843.052586	RWF 845.998528	RWF 848.720157
	RWF	B	EUR 1 =	RWF 862.393156	RWF 981.290358	RWF 976.964352	RWF 968.458183
		S	EUR 1 =	RWF 879.639277	RWF 1,000.910000	RWF 996.501666	RWF 987.825391
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound ² = 100 pence SHP	V	USD 1 =	SHP 0.74034	SHP 0.77778	SHP 0.74689	SHP 0.75488
		V	EUR 1 =	SHP 0.81948	SHP 0.91973	SHP 0.88178	SHP 0.87853
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 2.9756	XCD 3.1788	XCD 3.1737	XCD 3.1285
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2127	XCD 3.2076	XCD 3.1619
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 2.9756	XCD 3.1788	XCD 3.1737	XCD 3.1285
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2127	XCD 3.2076	XCD 3.1619
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 2.9756	XCD 3.1788	XCD 3.1737	XCD 3.1285
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2127	XCD 3.2076	XCD 3.1619
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.38973	USD 0.39956	USD 0.39954	USD 0.39110
		M	WST 1 =	EUR 0.35372	EUR 0.33597	EUR 0.33898	EUR 0.33630
Sao Tome and Principe ¹							
São Tomé 311	Dobra = 100 céntimos	B	USD 1 =	STD 22,258.97	STD 20,560.59	STD 20,801.49	STD 21,098.86
		S	USD 1 =	STD 22,592.85	STD 20,869.00	STD 21,113.52	STD 21,415.35
	STD	4	EUR 1 =	STD 24,500.00	STD 24,500.00	STD 24,500.00	STD 24,500.00
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 4.0229	SAR 4.3733	SAR 4.3020	SAR 4.2490
		S	EUR 1 =	SAR 4.2856	SAR 4.6287	SAR 4.5264	SAR 4.4711

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

² Value (1:1) against 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 592.607	XOF 554.721	XOF 555.613	XOF 563.634
	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 111.1409	RSD 100.0660	RSD 101.0253	RSD 102.2045
		S	USD 1 =	RSD 111.8098	RSD 100.6682	RSD 101.6333	RSD 102.8195
	RSD	B	EUR 1 =	RSD 122.7830	RSD 118.8184	RSD 119.0078	RSD 118.9558
		S	EUR 1 =	RSD 123.5219	RSD 119.5334	RSD 119.7240	RSD 119.6716
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 12.9885	SCR 13.3135	SCR 13.4183	SCR 13.5033
		S	USD 1 =	SCR 13.5165	SCR 13.8688	SCR 13.8732	SCR 13.9288
	SCR	B	EUR 1 =	SCR 14.4673	SCR 16.0306	SCR 16.0032	SCR 15.9131
		S	EUR 1 =	SCR 14.8800	SCR 16.5211	SCR 16.3478	SCR 16.2188
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 6,285.30	SLL 7,412.18	SLL 7,412.18 ⁵	SLL 7,464.14
		S	USD 1 =	SLL 6,412.28	SLL 7,561.92	SLL 7,561.92 ⁵	SLL 7,614.93
	SLL	B	EUR 1 =	SLL 6,925.75 ^V	SLL 8,687.03 ⁴	SLL 8,687.03 ⁵	SLL 8,693.80
		S	EUR 1 =	SLL 7,065.66 ^V	SLL 8,851.83 ⁴	SLL 8,851.83 ⁵	SLL 8,864.63
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3835	SGD 1.3584	SGD 1.3584	SGD 1.3605
		M	EUR 1 =	SGD 1.5254	SGD 1.6130	SGD 1.6007	SGD 1.5831
Sint Maarten (southern part)							
Philipsburg 479	Netherlands Antillean guilder = 100 cent	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 196.48	ANG 210.61	ANG 210.27	ANG 206.82
		S	EUR 100 =	ANG 200.44	ANG 214.85	ANG 214.51	ANG 210.98
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1256	USD 0.1281	USD 0.1280	USD 0.1270
		M	SBD 1 =	EUR 0.1140	EUR 0.1068	EUR 0.1086	EUR 0.1092

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Value against the euro. ³ Value against the US dollar. ⁴ Exchange rate as of

21 August 2017. ⁵ Exchange rate of the previous month; no rates available for September 2017.

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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
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 14.5296	ZAR 12.8375	ZAR 13.3438	ZAR 13.9638
		S	USD 1 =	ZAR 14.8471	ZAR 13.1550	ZAR 13.6613	ZAR 14.2813
	ZAR	B	EUR 1 =	ZAR 15.8664	ZAR 15.1913	ZAR 15.7185	ZAR 16.2208
		S	EUR 1 =	ZAR 16.2975	ZAR 15.6316	ZAR 16.1584	ZAR 16.6565
South Sudan ¹							
Juba 225	South Sudanese pound = 100 piastres	B	USD 1 =	SSP 30.9462 ²	SSP .	SSP .	SSP .
		S	USD 1 =	SSP 31.4204 ²	SSP .	SSP .	SSP .
	SSP	B	EUR 1 =	SSP 34.3887 ²	SSP .	SSP .	SSP .
		S	EUR 1 =	SSP 34.9252 ²	SSP .	SSP .	SSP .
Spain							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1825	USD 1.1806	USD 1.1638
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 144.14	LKR 150.84	LKR 151.11	LKR 151.60
		S	USD 1 =	LKR 147.97	LKR 154.64	LKR 154.91	LKR 155.40
	LKR	B	EUR 1 =	LKR 158.29	LKR 178.10	LKR 176.96	LKR 175.34
		S	EUR 1 =	LKR 164.52	LKR 184.77	LKR 183.61	LKR 181.93
Sudan ¹							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 6.1962	SDG 6.6667	SDG 6.6667	SDG 6.6667
		S	USD 1 =	SDG 6.2272	SDG 6.7000	SDG 6.7000	SDG 6.7000
	SDG	B	EUR 1 =	SDG 6.8267	SDG 7.9824	SDG 7.8230	SDG 7.7542
		S	EUR 1 =	SDG 6.8608	SDG 8.0223	SDG 7.8621	SDG 7.7929
Suriname							
Paramaribo 492	Suriname dollar = 100 cent	B	USD 1 =	SRD 6.320	SRD 7.376	SRD 7.376	SRD 7.386
		S	USD 1 =	SRD 6.434	SRD 7.500	SRD 7.500	SRD 7.510
	SRD	B	EUR 1 =	SRD 6.958	SRD 8.780	SRD 8.678	SRD 8.567
		S	EUR 1 =	SRD 7.084	SRD 8.917	SRD 8.814	SRD 8.701
Swaziland ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 14.6400	SZL 13.0188	SZL 13.5013	SZL 13.9938
		S	USD 1 =	SZL 14.6839	SZL 13.0688	SZL 13.5513	SZL 14.0438
	SZL	B	EUR 1 =	SZL 16.14487	SZL 15.5418	SZL 15.9207	SZL 16.2915
		S	EUR 1 =	SZL 16.19715	SZL 15.6054	SZL 15.9851	SZL 16.3511
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.5274	SEK 7.9400	SEK 8.0761	SEK 8.3030
		S	USD 1 =	SEK 8.5949	SEK 8.0075	SEK 8.1436	SEK 8.4080
	SEK	B	EUR 1 =	SEK 9.4489	SEK 9.4674	SEK 9.5503	SEK 9.6712
		S	EUR 1 =	SEK 9.5004	SEK 9.5189	SEK 9.6018	SEK 9.7862

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Average from January to June 2016.

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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Switzerland							
Berne 039	Swiss franc = 100 rappen / centimes	B	USD 1 =	CHF 0.9852	CHF 0.9640	CHF 0.9709	CHF 0.9978
		B	EUR 1 =	CHF 1.0902	CHF 1.1461	CHF 1.1453	CHF 1.1607
	CHF						
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres	B	USD 1 =	SYP 467.91	SYP 514.85	SYP 514.85 ³	SYP 508.00
		S	USD 1 =	SYP 470.72	SYP 520.00	SYP 520.00 ³	SYP 512.00
	B	EUR 1 =	SYP 515.56	SYP 608.81 ^V	SYP 615.62 ³	SYP 589.69	
	S	EUR 1 =	SYP 519.18	SYP 614.90 ^V	SYP 621.78 ³	SYP 594.33	
Tajikistan							
Dushanbe 082	Somoni = 100 diram	M	USD 1 =	TJS 7.8496	TJS 8.8081	TJS 8.8001	TJS 8.7986
		M	EUR 1 =	TJS 8.6825	TJS 10.5107	TJS 10.3956	TJS 10.2381
TJS							
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents	B	USD 1 =	TZS 2,166.1774	TZS 2,223.7624	TZS 2,226.6337	TZS 2,226.6436
		S	USD 1 =	TZS 2,187.8392	TZS 2,246.0000	TZS 2,248.9000	TZS 2,248.9100
	B	EUR 1 =	TZS 2,386.6230	TZS 2,645.6101	TZS 2,622.9745	TZS 2,584.2425	
	S	EUR 1 =	TZS 2,411.1094	TZS 2,672.9646	TZS 2,649.4291	TZS 2,610.5347	
TZS							
Thailand							
Bangkok 680	Thai baht = 100 satang	B	USD 1 =	THB 35.1247	THB 33.0460	THB 33.2043	THB 33.0586
		S	USD 1 =	THB 35.4649	THB 33.3777	THB 33.5324	THB 33.4000
	B	EUR 1 =	THB 38.5268	THB 39.1062	THB 38.9463	THB 38.2950	
	S	EUR 1 =	THB 39.2756	THB 39.8425	THB 39.6762	THB 39.0362	
THB							
Togo ¹							
Lomé 280	CFA franc	V	USD 1 =	XOF 592.607	XOF 554.721	XOF 555.613	XOF 563.634
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
XOF							
Tonga							
Nuku'alofa 817	Pa'anga = 100 seniti	M	TOP 1 =	USD 0.4499	USD 0.4612	USD 0.4604	USD 0.4497
		M	TOP 1 =	EUR 0.4071	EUR 0.3876	EUR 0.3910	EUR 0.3863
TOP							
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents	B	USD 1 =	TTD 6.6274	TTD 6.6861	TTD 6.7251	TTD 6.7217
		S	USD 1 =	TTD 6.6648	TTD 6.7735	TTD 6.7591	TTD 6.7533
	B	EUR 1 =	TTD 7.2338	TTD 7.9855	TTD 7.8366	TTD 7.7527	
	S	EUR 1 =	TTD 7.7041	TTD 8.5693	TTD 8.2685	TTD 8.2861	
TTD							

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Value against the euro. ³ Exchange rate as of 24 September 2017.

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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.1357	TND 2.4295	TND 2.4552	TND 2.4856
			USD 1 =	TND 2.1380	TND 2.4319	TND 2.4577	TND 2.4880
	TND	B S	EUR 1 =	TND 2.3595	TND 2.8783	TND 2.8976	TND 2.8915
			EUR 1 =	TND 2.3620	TND 2.8811	TND 2.9005	TND 2.8943
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 3.0218	TRY 3.4410	TRY 3.5720	TRY 3.7700
			USD 1 =	TRY 3.0272	TRY 3.4472	TRY 3.5784	TRY 3.7768
	TRY	B S	EUR 1 =	TRY 3.3408	TRY 4.1430	TRY 4.2023	TRY 4.3848
			EUR 1 =	TRY 3.3468	TRY 4.1504	TRY 4.2099	TRY 4.3927
Turkmenistan							
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 3.8696	TMT 4.1794	TMT 4.1321	TMT 4.0716
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,423.30	UGX 3,595.38	UGX 3,598.08	UGX 3,645.25
			USD 1 =	UGX 3,433.30	UGX 3,605.38	UGX 3,608.08	UGX 3,655.25
	UGX	B S	EUR 1 =	UGX 3,766.57	UGX 4,282.82	UGX 4,240.34	UGX 4,238.33
			EUR 1 =	UGX 3,777.58	UGX 4,294.73	UGX 4,252.12	UGX 4,249.96
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok	M M	USD 100 =	UAH 2,558.7328	UAH 2,557.9541	UAH 2,652.1094	UAH 2,682.9390
			EUR 100 =	UAH 2,831.1578	UAH 3,048.0581	UAH 3,123.6545	UAH 3,115.4288
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 4.0514	AED 4.3427	AED 4.3358	AED 4.2741
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M M	GBP 1 =	USD 1.3542	USD 1.2886	USD 1.3416	USD 1.3280
			EUR 1 =	GBP 0.8227	GBP 0.9228	GBP 0.8811	GBP 0.8772
United States							
Washington 400	US dollar = 100 cents	M M	EUR 1 =	USD 1.10344	USD 1.1908	USD 1.1812	USD 1.1644
			GBP 1 =	USD 1.35493	USD 1.2929	USD 1.3396	USD 1.3282

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 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 2016	Rate at end of month		
					August 2017	September 2017	October 2017
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 30.084	UYU 28.820	UYU 28.951	UYU 29.147
		M	EUR 1 =	UYU 33.2936	UYU 34.3030	UYU 34.2273	UYU 33.9606
Uzbekistan ¹							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 2,973.82	UZS 4,210.35	UZS 8,066.96 ¹	UZS 8,078.12
		M	EUR 1 =	UZS 3,310.38	UZS 4,966.88	UZS 9,626.30 ¹	UZS 9,381.12
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 108.99	VUV 105.55	VUV 105.90	VUV 107.72
		S	USD 1 =	VUV 114.61	VUV 111.41	VUV 111.77	VUV 113.70
		B	EUR 1 =	VUV 120.03	VUV 125.78	VUV 125.05	VUV 125.75
		S	EUR 1 =	VUV 124.65	VUV 130.72	VUV 129.97	VUV 130.69
Venezuela, Bolivarian Republic of ¹							
Caracas 484	Bolívar = 100 céntimos VEF	² B	USD 1 =	VEF 9.975	–	–	–
		S	USD 1 =	VEF 10.000	–	–	–
		B	EUR 1 =	VEF 11.043023	–	–	–
		S	EUR 1 =	VEF 11.074900	–	–	–
		³ B	USD 1 =	VEF 574.2342	VEF 3,241.8750	VEF 3,336.6375	VEF 3,336.6375
		S	USD 1 =	VEF 575.6734	VEF 3,250.0000	VEF 3,345.0000	VEF 3,345.0000
B	EUR 1 =	VEF 633.275665	VEF 3,858.8038	VEF 3,942.9045	VEF 3,886.1817		
S	EUR 1 =	VEF 635.097637	VEF 3,868.8000	VEF 3,954.1245	VEF 3,896.9250		
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 22,332	VND 22,695	VND 22,690	VND 22,675
		S	USD 1 =	VND 22,403	VND 22,765	VND 22,760	VND 22,745
		B	EUR 1 =	VND 24,544.09	VND 26,943.50	VND 26,731.93	VND 26,331.60
		S	EUR 1 =	VND 24,785.72	VND 27,197.12	VND 27,450.55	VND 26,591.44
Yemen							
Sana'a 653	Yemeni rial = 100 fils YER	B	USD 1 =	YER 241.22	YER 250.00	YER 250.00	YER 250.00
		S	USD 1 =	YER 241.60	YER 250.50	YER 250.50	YER 250.50
		B	EUR 1 =	YER 265.85	YER 299.34	YER 293.36	YER 290.70
		S	EUR 1 =	YER 266.27	YER 299.94	YER 293.95	YER 291.28
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 10.2260	ZMW 9.1335	ZMW 9.6284	ZMW 9.9900
		S	USD 1 =	ZMW 10.2640	ZMW 9.1810	ZMW 9.6784	ZMW 10.0400
		B	EUR 1 =	ZMW 11.2881	ZMW 10.8141	ZMW 11.3539	ZMW 11.6264
		S	EUR 1 =	ZMW 11.3329	ZMW 10.8713	ZMW 11.4167	ZMW 11.6876

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² DIPRO (the annual averages relate to the period March to December

2016). ³ DICOM (the annual averages relate to the period March to December 2016).

IV Overview of world currencies *

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

As of end-October 2017

Country or territory (country code)	Currency	Country or territory (country code)	Currency
Åland Islands	Euro	Madeira (010)	Euro
Alhucemas	Euro	Marie-Galante (001)	Euro
American Samoa (830)	US dollar	Marshall Islands (824)	US dollar
Andaman Islands	Indian rupee	Martinique (001)	Euro
Andorra 1 (043)	Euro	Mayotte (377)	Euro
Anguilla (446)	East Caribbean dollar	Melilla (023)	Euro
Azores (010)	Euro	Micronesia, Federated States of (823)	US dollar
		Monaco 1 (001)	Euro
		Montenegro (097)	Euro
		Montserrat (470)	East Caribbean dollar
		Mooréa	CFP franc
Baker Island (832)	US dollar		
Balearics	Euro	Nauru (803)	Australian dollar
Bali	Indonesian rupiah	Newfoundland	Canadian dollar
Bonaire (475)	US dollar	Nicobar Islands	Indian rupee
Bora-Bora	CFP franc	Niue (838)	New Zealand dollar
Borneo (northern part) (701)	Malaysian ringgit	Norfolk Island (836)	Australian dollar
Borneo (southern part) (700)	Indonesian rupiah	Northern Mariana Islands (820)	US dollar
British Virgin Islands (468)	US dollar		
		Palau (825)	US dollar
Canary Islands (011)	Euro	Pescadores	New Taiwan dollar
Ceuta (021)	Euro	Pitcairn Islands Group (813)	New Zealand dollar
Chafarinas (Islands)	Euro	Puerto Rico (400)	US dollar
Christmas Island (834)	Australian dollar		
Cocos Islands (833)	Australian dollar	Réunion (001)	Euro
Désirade (001)	Euro	Saba (475)	US dollar
		San Marino 1 (047)	Euro
Easter Island	Chilean peso	Spitzbergen/Spitsbergen (028)	Norwegian krone
Ecuador 1 (500)	US dollar	St Barthélemy (001)	Euro
		St Eustatius (475)	US dollar
Faroe Islands 1 (041)	Danish krone	St Martin (northern part) (001)	Euro
(French) Guiana (001)	Euro	St Pierre and Miquelon (408)	Euro
French Polynesia (822)	CFP franc	Sumatra	Indonesian rupiah
		Swan Islands (424)	Honduran lempira
Galapagos Islands (500)	US dollar		
Gozo (Island of)	Euro	Tahiti (822)	CFP franc
Greenland (406)	Danish krone	Tibet (720)	Chinese yuan renminbi
Guadeloupe (001)	Euro	Timor-Leste 1 (626)	US dollar
Guam (831)	US dollar	Tokelau (839)	New Zealand dollar/Samoan tala
Guernsey 1 (107)	British pound sterling	Turks and Caicos Islands 1 (454)	US dollar
		Tuvalu 1 (807)	Australian dollar
Howland Island (832)	US dollar		
		Vatican City 1 (045)	Euro
Isle of Man 1 (109)	British pound sterling	Virgin Islands of the United States (457)	US dollar
Jarvis Island (832)	US dollar	Wallis and Futuna (Islands) (811)	CFP franc
Java	Indonesian rupiah	Western Sahara	Moroccan dirham
Jersey 1 (108)	British pound sterling		
		Zanzibar (Island) (352)	Tanzania shilling
Kiribati 1 (812)	Australian dollar	Zimbabwe (382)	US dollar 2
Kosovo (095)	Euro Serbian dinar		
Laccadive Islands	Indian rupee		
Les Saintes Islands (001)	Euro		
Liechtenstein (037)	Swiss franc		

Sources: Central banks and The Statesman's Yearbook. * See Explanatory notes, p 53. 1 Local currency is also in use. 2 Principal currency; alongside the US dollar the following currencies were named as "official means of payment": South African rand, euro, pound sterling, Botswana pula (since 2 February 2009); Japanese yen, Chinese

yuan renminbi, Indian rupee, Australian dollar (since January 2014). In addition, promissory notes have been in circulation as a parallel currency since the end of November 2016.

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2016

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 Zimbabwe	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 Venezuela, Bolivarian Republic of	Cabo Verde Comoros Denmark ⁴ 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 Lesotho Namibia Nepal Swaziland			Samoa Solomon Islands ⁵
Stabilised arrangement	Guyana Lebanon Maldives Trinidad and Tobago	Macedonia, former Yugoslav Republic of	Singapore Viet Nam ⁸		Bangladesh ⁸ Bolivia, Plurinational State of ⁸ Burundi ⁸ Congo, Democratic Republic of the ⁸ Nigeria ⁸ Suriname ⁸ Yemen ⁸	Czechia ⁹	Costa Rica ^{8 10} Lao People's Democratic Republic ⁸ Sudan ⁸
Crawling peg	Honduras Nicaragua		Botswana				
Crawl-like arrangement		Croatia	Iran, Islamic Republic of ⁸		Ethiopia ⁸ Uzbekistan ⁸	Dominican Republic ⁸	Jamaica ^{8 10} Mauritania ^{8 11} Papua New Guinea ⁸ Sri Lanka ^{8 10 11} Tunisia ^{5 10}

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2016

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 5
Other managed arrangement	Cambodia Liberia		Syrian Arab Republic			Algeria Belarus China 11 Gambia Guinea Myanmar Rwanda Tajikistan		Angola Azerbaijan Egypt Haiti Kyrgyzstan Malaysia Pakistan South Sudan Vanuatu
Floating						Afghanistan Madagascar Malawi Mozambique Seychelles Sierra Leone Tanzania, United Republic of	Albania Armenia 11 Brazil Colombia Georgia Ghana Guatemala Hungary Iceland India Indonesia Israel Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Romania Serbia South Africa Thailand Turkey Uganda Uruguay 11	Argentina 10 Kenya 10 Mauritius Mongolia 10 Switzerland Ukraine Zambia
Free floating							Australia Canada Chile Japan Mexico 12 Norway Poland Russian Federation Sweden United Kingdom	Somalia United States Euro area Austria Belgium Cyprus Estonia Finland France Germany Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2016, 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 member participates in the ERM II. 5 The country maintains a de facto exchange rate anchor to a composite. 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, reverting back to the classification in the previous year's report.

VII ISO currency codes *

As of end-October 2017

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

* Extracted and compiled from ISO communications. ¹ See Explanatory notes on individual countries, p 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, ie 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 1999 Q1 = 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

page 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 http://www.bundesbank.de/Navigation/EN/Statistics/External_sector/Effective_exchange_rates_of_the_euro/effective_exchange_rates_of_the_euro.html?nsc=true

■ 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 yuan 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 yuan 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 (eg 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 2016 (see Table VI, pp 46-47) is based on the IMF's *Annual Report on Exchange Arrangements and Exchange Restrictions 2016*, which can be purchased from the IMF (<http://www.imfbookstore.org>).

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

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

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

The monetary policy frameworks listed are as follows.

Exchange rate anchor

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

Monetary aggregate target

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

Inflation-targeting framework

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

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

Other

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

Explanatory notes on individual countries

Angola

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

Bangladesh

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

Benin

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

Bhutan

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

Brunei Darussalam

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

Burkina Faso

See Explanatory notes on Benin.

Cameroon

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

Central African Republic

See Explanatory notes on Cameroon.

Chad

See Explanatory notes on Cameroon.

Congo

See Explanatory notes on Cameroon.

Cook Islands

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

Côte d'Ivoire

See Explanatory notes on Benin.

Cuba

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

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

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

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

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

El Salvador

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

Equatorial Guinea

See Explanatory notes on Cameroon.

Ethiopia

With effect from 11 October 2017, the exchange rates were adjusted more sharply.

We recorded the following exchange rates:

10 October 2017 USD 1 = ETB 23.4231 / 23.8916
EUR 1 = ETB 27.5081 / 28.0678

11 October 2017 USD 1 = ETB 26.9365 / 27.4752
EUR 1 = ETB 31.8228 / 32.4702

Calculated using these exchange rates, the Ethiopian birr experienced a devaluation of 13.0% against the US dollar and 13.6% against the euro.

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

Alongside the official, published exchange rate, there is a different, bureau de change rate. According to the German Embassy in Tehran, it was 40,600 Iranian rials to the US dollar and 48,000 Iranian rials to the euro at the end of October 2017.

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

Iraq

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

Kenya

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

Lesotho

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

Liberia

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

Macao

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

Mali

See Explanatory notes on Benin.

Namibia

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

New Caledonia

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

Niger

See Explanatory notes on Benin.

Nigeria

Alongside the official published reference exchange rates, there are bureau de change rates, which deviate. According to financial information providers, the exchange rate was over 360 naira to the US dollar at the end of October 2017.

Panama

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

Sao Tome and Principe

The unit of account for 1,000 dobras is 1 conto.

Senegal

See Explanatory notes on Benin.

Singapore

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

Somalia

No exchange rates are available for the Somali shilling.

South Sudan

No exchange rates have been available for the South Sudanese pound since the end of July 2016.

Sudan

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

Swaziland

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

Togo

See Explanatory notes on Benin.

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.

Uzbekistan

With effect from 5 September 2017, the exchange rates were adjusted more sharply.

We recorded the following exchange rates:

4 September 2017 USD 1 = UZS 4,210.35
 EUR 1 = UZS 4,966.88

5 September 2017 USD 1 = UZS 8,100.00
 EUR 1 = UZS 9,645.48

Calculated using these exchange rates, the Uzbekistan sum experienced a devaluation of 48.0% against the US dollar and 48.5% against the euro.

Venezuela, Bolivarian Republic of

Changes to the system of foreign exchange controls came into effect on 23 May 2017. The new DICOM auction procedure with one rate replaces the dual exchange rate system introduced in March 2016 which consisted of one fixed exchange rate (DIPRO) for priority goods, services and remittances plus one complementary exchange rate (DICOM) that was subject to fluctuation controls for all other consumer goods. The DICOM auction exchange rate is allowed to fluctuate within a range set by the Banco Central de Venezuela that is adjusted at regular intervals.

A black market is still in existence and according to financial information providers, the exchange rate for the US dollar was more than 40,000 bolívar at the beginning of November 2017.