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Statistical Supplement 5
to the Monthly Report

Deutsche Bundesbank
Wilhelm-Epstein-Strasse 14
60431 Frankfurt am Main
Germany

Postal address
Postfach 10 06 02
60006 Frankfurt am Main
Germany

Tel +49 69 9566-0
or +49 69 9566 8604

Fax +49 69 9566 8606 or 3077

<http://www.bundesbank.de>

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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	Data unknown, not to be published or not meaningful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	1478/2000
	2007 January 1	Slovenia	Slovenian tolar	SIT	239.640	1086/2006
2008 January 1	Cyprus	Cyprus pound	CYP	0.585274	1135/2007	
	Malta	Maltese lira	MTL	0.429300	1134/2007	
2009 January 1	Slovakia	Slovak koruna	SKK	30.1260	694/2008	
2011 January 1	Estonia	Estonian kroon	EEK	15.6466	671/2010	
2014 January 1	Latvia	Latvian lats	LVL	0.702804	870/2013	
2015 January 1	Lithuania	Lithuanian litas	LTL	3.45280	851/2014	

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

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

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

Source: ECB. * One prerequisite before an EU member state can join the euro area is that its currency must have observed the normal fluctuation margins of 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	July	3	1.9558	7.4215	26.140	7.4366	309.25	4.2355	4.5634
		4	1.9558	7.4165	26.132	7.4367	308.30	4.2426	4.5884
		5	1.9558	7.4143	26.109	7.4369	308.16	4.2463	4.5881
		6	1.9558	7.4055	26.147	7.4369	309.37	4.2478	4.5933
		7	1.9558	7.4153	26.079	7.4371	308.38	4.2322	4.5862
		10	1.9558	7.4043	26.096	7.4366	307.99	4.2340	4.5698
		11	1.9558	7.4110	26.124	7.4365	308.13	4.2460	4.5685
		12	1.9558	7.4090	26.110	7.4369	307.33	4.2444	4.5675
		13	1.9558	7.4050	26.120	7.4367	307.27	4.2332	4.5635
		14	1.9558	7.4080	26.075	7.4365	306.51	4.2172	4.5627
		17	1.9558	7.4111	26.090	7.4365	306.05	4.2080	4.5598
		18	1.9558	7.4138	26.080	7.4371	306.20	4.2029	4.5600
		19	1.9558	7.4143	26.035	7.4369	306.42	4.2127	4.5670
		20	1.9558	7.4103	26.040	7.4367	305.77	4.2100	4.5655
		21	1.9558	7.4110	26.017	7.4368	305.37	4.2364	4.5703
		24	1.9558	7.4098	26.024	7.4361	305.15	4.2408	4.5638
		25	1.9558	7.4128	26.013	7.4361	305.49	4.2571	4.5635
		26	1.9558	7.4128	26.047	7.4368	305.57	4.2613	4.5632
		27	1.9558	7.4148	26.045	7.4362	304.75	4.2541	4.5650
		28	1.9558	7.4120	26.048	7.4364	304.93	4.2493	4.5580
		31	1.9558	7.4110	26.079	7.4364	304.62	4.2493	4.5590
	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

* 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	
9.6358	0.87705	1.4848	3.7737	1.4755	7.7253	8.8778	73.7370	2017 July 3	
9.6735	0.87805	1.4922	3.7503	1.4730	7.7220	8.8646	73.4970	4	
9.6243	0.87735	1.4916	3.7545	1.4682	7.7060	8.8442	73.4075	5	
9.6310	0.88013	1.5008	3.7639	1.4728	7.7443	8.8918	73.7325	6	
9.6155	0.88488	1.5006	3.7587	1.4806	7.7590	8.9140	73.6955	7	
9.6175	0.88443	1.4999	3.7292	1.4703	7.7484	8.8973	73.4405	10	
9.6390	0.88318	1.4988	3.7258	1.4718	7.7577	8.9084	73.6650	11	
9.6350	0.88925	1.4966	3.6997	1.4808	7.7716	8.9429	73.8865	12	
9.5430	0.88215	1.4770	3.6733	1.4564	7.7443	8.9167	73.5825	13	
9.5333	0.87983	1.4710	3.6599	1.4524	7.7419	8.9132	73.4950	14	
9.5400	0.87755	1.4637	3.6437	1.4502	7.7591	8.9460	73.7525	17	
9.5658	0.88780	1.4565	3.6623	1.4548	7.8001	9.0176	74.3370	18	
9.5598	0.88485	1.4532	3.6432	1.4540	7.7889	9.0059	74.1515	19	
9.5678	0.88718	1.4510	3.6166	1.4487	7.7760	8.9700	74.0100	20	
9.6193	0.89610	1.4699	3.6225	1.4664	7.8798	9.0902	74.9045	21	
9.5883	0.89350	1.4661	3.6543	1.4584	7.8622	9.0931	75.0105	24	
9.5545	0.89395	1.4693	3.6755	1.4608	7.8949	9.1310	75.2920	25	
9.5705	0.89275	1.4717	3.6806	1.4576	7.8646	9.0959	74.9375	26	
9.5820	0.88978	1.4617	3.6836	1.4603	7.8811	9.1330	75.0230	27	
9.5355	0.89568	1.4732	3.7015	1.4712	7.9087	9.1613	75.2555	28	
9.5423	0.89420	1.4713	3.6764	1.4625	7.8896	9.1598	75.2708	31	
9.5563	0.89440	1.4813	3.6880	1.4737	7.9371	9.2284	75.7145	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	

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
Period		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 July	3	15,223.09	3.9768	128.46	1,305.91	4.8942	20.7257	1.5584	9.5065
	4	15,174.42	3.9917	128.57	1,307.61	4.8790	20.6761	1.5594	9.4850
	5	15,159.27	3.9872	128.64	1,307.79	4.8697	20.7053	1.5575	9.4965
	6	15,242.24	4.0258	129.01	1,317.44	4.8938	20.9250	1.5697	9.5298
	7	15,300.60	4.0273	129.80	1,318.10	4.9054	20.7488	1.5669	9.5613
	10	15,257.44	4.0397	129.98	1,309.36	4.8900	20.4881	1.5663	9.5165
	11	15,272.44	4.0770	130.36	1,312.25	4.9013	20.5460	1.5788	9.5120
	12	15,307.31	4.0680	130.02	1,311.87	4.9210	20.4629	1.5827	9.4688
	13	15,238.84	4.0430	129.17	1,298.70	4.9093	20.3212	1.5578	9.4518
	14	15,225.90	4.0598	129.10	1,295.10	4.8999	20.1393	1.5625	9.3843
	17	15,259.36	4.0675	128.86	1,292.35	4.9143	20.1200	1.5624	9.3558
	18	15,368.15	4.1244	129.46	1,298.89	4.9513	20.2288	1.5713	9.3065
	19	15,359.65	4.1279	129.03	1,294.27	4.9436	20.1750	1.5640	9.3018
	20	15,314.67	4.1033	128.92	1,291.52	4.9288	20.2035	1.5631	9.3000
	21	15,498.41	4.1483	129.72	1,302.31	4.9869	20.3761	1.5650	9.3315
	24	15,516.30	4.1811	129.09	1,299.12	4.9848	20.5982	1.5657	9.3525
	25	15,574.07	4.1677	130.28	1,305.86	5.0074	20.7211	1.5712	9.3035
	26	15,507.48	4.1569	130.26	1,303.91	4.9889	20.6644	1.5678	9.2893
	27	15,576.40	4.1604	130.32	1,303.38	5.0033	20.6146	1.5553	9.2978
	28	15,639.45	4.1765	130.37	1,317.62	5.0229	20.8089	1.5694	9.3195
	31	15,625.05	4.1771	129.70	1,315.97	5.0209	20.8620	1.5672	9.3050
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

* See Explanatory notes, p 51.

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

Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States	Period
Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD	
57.553	67.4684	1.5709	14.9926	1.0943	38.632	4.0322	1.1369	2017 July 3
57.343	67.3400	1.5701	15.0182	1.0954	38.617	4.0377	1.1353	4
57.419	67.8200	1.5672	15.1267	1.0950	38.570	4.0611	1.1329	5
57.733	68.4881	1.5749	15.3470	1.0975	38.800	4.1367	1.1385	6
57.786	68.9193	1.5761	15.2646	1.0983	38.892	4.1465	1.1412	7
57.930	68.8648	1.5783	15.2130	1.1007	38.852	4.1122	1.1387	10
57.813	69.3300	1.5783	15.4595	1.1040	38.891	4.1431	1.1405	11
57.949	69.3499	1.5815	15.3359	1.1027	38.967	4.1182	1.1449	12
57.720	68.4750	1.5722	15.0961	1.1011	38.761	4.0763	1.1417	13
57.772	67.9547	1.5684	15.0313	1.1051	38.645	4.0663	1.1415	14
58.087	67.9260	1.5672	14.8359	1.1012	38.581	4.0511	1.1462	17
58.597	68.1676	1.5793	14.9464	1.1025	38.831	4.0750	1.1555	18
58.633	68.0915	1.5773	14.8896	1.0994	38.751	4.0576	1.1533	19
58.428	67.8540	1.5738	14.9020	1.1039	38.653	4.0652	1.1485	20
59.026	68.6175	1.5872	15.0579	1.1051	38.942	4.1138	1.1642	21
59.001	69.8567	1.5859	15.0916	1.1020	38.893	4.1378	1.1648	24
59.189	69.9831	1.5900	15.2161	1.1063	39.093	4.1647	1.1694	25
58.948	69.7050	1.5850	15.1998	1.1152	38.996	4.1406	1.1644	26
59.104	69.6779	1.5890	15.1600	1.1232	38.953	4.1303	1.1694	27
59.207	69.8319	1.5947	15.2811	1.1357	39.146	4.1462	1.1729	28
59.197	70.4643	1.5918	15.3716	1.1359	39.051	4.1314	1.1727	31
59.508	71.1750	1.6042	15.6922	1.1414	39.322	4.1602	1.1812	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

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 Sep	1.9558	7.4291	24.752	7.4539	284.22	4.1345	4.5022	8.4929	0.79821	1.2372
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

* 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											
Brazil	Canada	China	Hong Kong	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia		Period
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		
2.6066	1.2583	8.1273	9.9686	70.0452	12,287.93	5.0717	100.49	1,444.65	3.9599		2012 Sep
2.6333	1.2801	8.1390	10.0574	68.8589	12,457.30	4.9976	102.47	1,435.37	3.9649		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	4.8503	147.06	1,359.97	4.2903		Dec
3.0639	1.4039	7.2269	9.0102	72.2141	14,617.69	4.5856	137.47	1,266.19	4.1648		2015 Jan
3.1977	1.4199	7.0960	8.8020	70.4356	14,504.28	4.4192	134.69	1,250.50	4.0822		Feb
3.3997	1.3661	6.7623	8.4081	67.7387	14,152.16	4.3325	130.41	1,205.92	3.9889		Mar
3.2800	1.3313	6.6863	8.3550	67.6432	13,950.49	4.2456	128.94	1,170.32	3.9118		Apr
3.4105	1.3568	6.9165	8.6436	71.1153	14,650.36	4.3086	134.75	1,220.20	4.0191		May
3.4941	1.3854	6.9587	8.6935	71.5873	14,919.43	4.2891	138.74	1,248.79	4.1949		June
3.5405	1.4124	6.8269	8.5236	69.9960	14,720.40	4.1679	135.68	1,260.75	4.1824		July
3.9118	1.4637	7.0626	8.6358	72.5361	15,370.92	4.2836	137.12	1,313.48	4.5297		Aug
4.3666	1.4882	7.1462	8.6966	74.2990	16,175.76	4.3917	134.85	1,329.94	4.8286		Sep
4.3599	1.4685	7.1346	8.7073	73.1116	15,482.55	4.3414	134.84	1,286.06	4.7818		Oct
4.0601	1.4248	6.8398	8.3211	71.0406	14,685.99	4.1760	131.60	1,239.19	4.6328		Nov
4.2145	1.4904	7.0193	8.4307	72.3851	15,087.43	4.2199	132.36	1,277.56	4.6615		Dec
4.4021	1.5447	7.1393	8.4509	73.2036	15,069.76	4.2903	128.32	1,307.56	4.7162		2016 Jan
4.3953	1.5317	7.2658	8.6333	75.7172	14,985.33	4.3336	127.35	1,349.77	4.6411		Feb
4.1195	1.4697	7.2220	8.6152	74.3018	14,629.58	4.2927	125.39	1,314.89	4.5167		Mar
4.0374	1.4559	7.3461	8.7954	75.3823	14,932.22	4.2812	124.29	1,300.58	4.4232		Apr
3.9983	1.4626	7.3864	8.7815	75.7016	15,188.82	4.3115	123.21	1,329.46	4.5755		May
3.8570	1.4477	7.4023	8.7162	75.5592	14,969.03	4.3323	118.45	1,310.59	4.5760		June
3.6263	1.4428	7.3910	8.5858	74.3738	14,520.91	4.2686	115.25	1,264.05	4.4471		July
3.5983	1.4557	7.4537	8.6961	75.0303	14,757.31	4.2559	113.49	1,245.55	4.5141		Aug
3.6436	1.4677	7.4819	8.6964	74.8220	14,697.52	4.2210	114.22	1,244.12	4.6108		Sep
3.5158	1.4594	7.4198	8.5533	73.5775	14,361.10	4.2110	114.47	1,243.02	4.6040		Oct
3.6056	1.4519	7.3883	8.3758	73.0550	14,398.18	4.1491	116.93	1,256.71	4.6843		Nov
3.5405	1.4070	7.2983	8.1802	71.5390	14,135.71	4.0401	122.39	1,248.48	4.7013		Dec
3.3929	1.4032	7.3189	8.2332	72.2823	14,181.25	4.0543	122.14	1,254.41	4.7318		2017 Jan
3.3022	1.3942	7.3143	8.2586	71.2908	14,186.74	3.9672	120.17	1,215.92	4.7283		Feb
3.3413	1.4306	7.3692	8.2984	70.3238	14,255.46	3.9012	120.68	1,211.23	4.7413		Mar
3.3620	1.4408	7.3892	8.3364	69.2016	14,265.96	3.9153	118.29	1,215.64	4.7224		Apr
3.5424	1.5041	7.6130	8.6108	71.2681	14,730.60	3.9727	124.09	1,245.02	4.7713		May
3.6948	1.4941	7.6459	8.7578	72.3798	14,940.12	3.9658	124.58	1,271.29	4.8045		June
3.6928	1.4641	7.7965	8.9893	74.1945	15,363.84	4.0899	129.48	1,305.21	4.9389		July
3.7201	1.4889	7.8760	9.2348	75.5465	15,753.09	4.2504	129.70	1,335.93	5.0579		Aug
3.7316	1.4639	7.8257	9.3094	76.8002	15,852.42	4.2080	131.92	1,348.89	5.0191		Sep

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

3 End-of-year rates and annual averages

EUR 1 = CU ...

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

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

EUR 1 = CU ...

Other European and non-European countries (cont'd)										
China	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	
Chinese yuan renminbi CNY ¹	Hong Kong dollar HKD	Icelandic krona ISK ²	Indian rupee INR ³	Indonesian rupiah IDR ¹	New Israeli shekel ILS ⁴	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR ¹	Mexican peso MXN ⁵	
End of year										
2003	10.4539	9.8049	89.46	57.5780	10,643.10	5.5424	135.05	1,506.32	4.8019	14.1807
2004	11.2741	10.5881	83.60	59.2590	12,653.91	5.8922	139.65	1,410.05	5.1802	15.2235
2005	9.5204	9.1474	74.57	53.1130	11,596.45	5.4334	138.90	1,184.42	4.4584	12.5945
2006	10.2793	10.2409	93.13	58.2180	11,844.44	5.5677	156.93	1,224.81	4.6490	14.2899
2007	10.7524	11.4800	91.90	57.8620	13,826.70	5.6539	164.93	1,377.96	4.8682	16.0732
2008	9.4956	10.7858	2	67.4370	15,239.12	5.2919	126.14	1,839.13	4.8048	19.2333
2009	9.8350	11.1709	–	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223
2010	8.8220	10.3856	–	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475
2011	8.1588	10.0510	–	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512
2012	8.2207	10.2260	–	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845
2013	8.3491	10.6933	–	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731
2014	7.5358	9.4170	–	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679
2015	7.0608	8.4376	–	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145
2016	7.3202	8.1751	–	71.5935	14,173.43	4.0477	123.40	1,269.36	4.7287	21.7719
Annual averages +										
2003	9.3626	8.8079	86.65	52.6100	9,685.54	5.1340	130.97	1,346.90	4.2983	12.2144
2004	10.2967	9.6881	87.14	56.3008	11,127.34	5.5706	134.44	1,422.62	4.7273	14.0386
2005	10.1955	9.6768	78.23	54.8117	12,072.83	5.5807	136.85	1,273.61	4.7119	13.5643
2006	10.0096	9.7545	87.76	56.8435	11,512.37	5.5920	146.02	1,198.58	4.6044	13.6936
2007	10.4178	10.6912	87.63	56.4186	12,528.33	5.6278	161.25	1,272.99	4.7076	14.9743
2008	10.2236	11.4541	2 143.83	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911
2009	9.5277	10.8114	–	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989
2010	8.9712	10.2994	–	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373
2011	8.9960	10.8362	–	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877
2012	8.1052	9.9663	–	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029
2013	8.1646	10.3016	–	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641
2014	8.1857	10.3025	–	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550
2015	6.9733	8.6014	–	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157
2016	7.3522	8.5922	–	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673

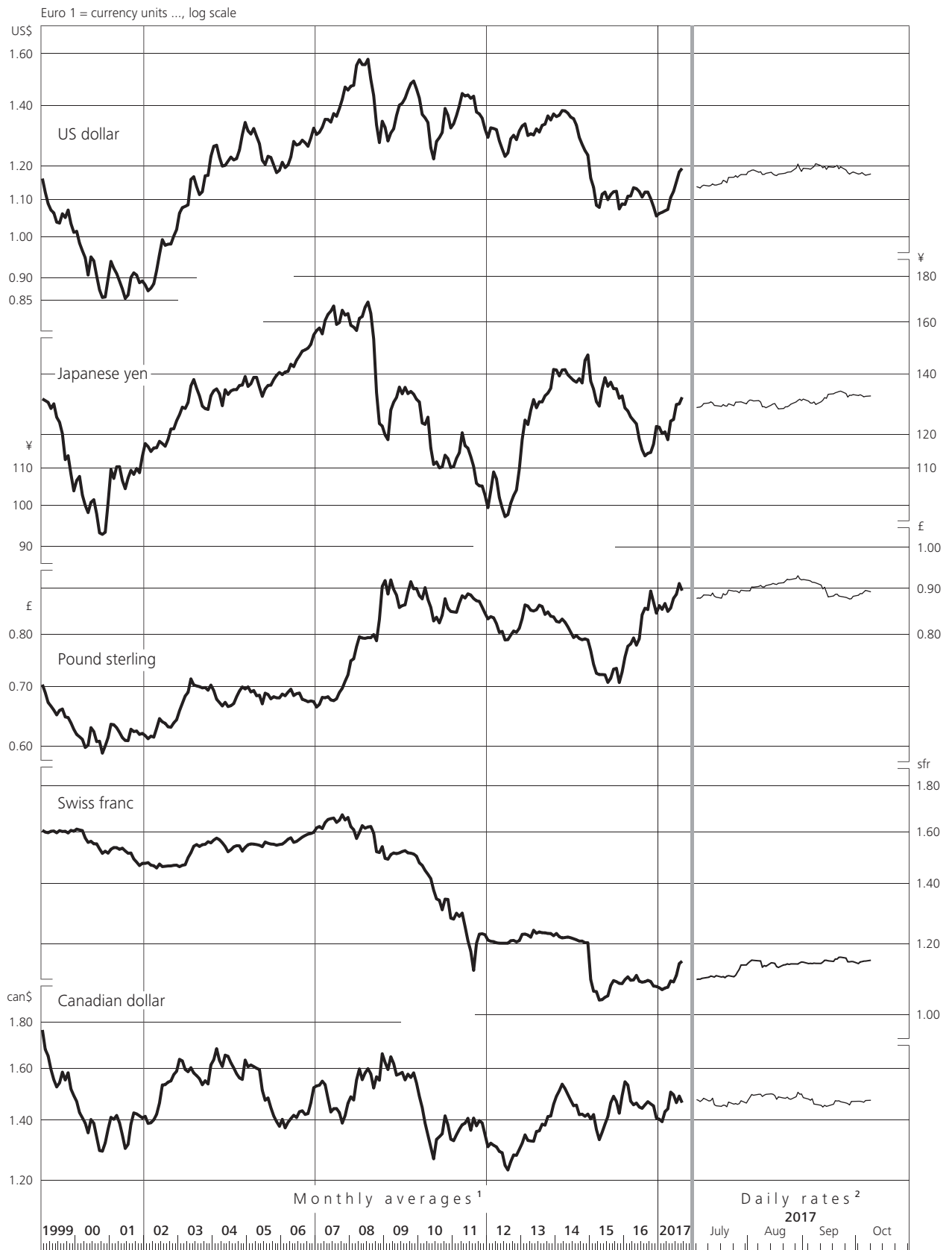
Other European and non-European countries (cont'd)										
New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States	
New Zealand dollar NZD	Norwegian krona NOK	Philippine peso PHP ¹	Russian rouble RUB ¹	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB ¹	Turkish lira / New Turkish lira TRL / TRY ⁶	US dollar USD	
End of year										
2003	1.9244	8.4141	70.171	36.9555	2.1450	8.3276	1.5579	50.041	1,771,638	1.2630
2004	1.8871	8.2365	76.510	37.7879	2.2262	7.6897	1.5429	53.042	1,836,200	1.3621
2005	1.7270	7.9850	62.719	33.9200	1.9628	7.4642	1.5551	48.437	1,5924	1.1797
2006	1.8725	8.2380	64.546	34.6800	2.0202	9.2124	1.6069	46.770	1,8640	1.3170
2007	1.9024	7.9580	60.724	35.9860	2.1163	10.0298	1.6547	43.800	1.7170	1.4721
2008	2.4191	9.7500	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2.1488	1.3917
2009	1.9803	8.3000	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	1.4406
2010	1.7200	7.8000	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	1.3362
2011	1.6737	7.7540	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	1.2939
2012	1.6045	7.3483	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	1.3194
2013	1.6762	8.3630	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	1.3791
2014	1.5525	9.0420	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	1.2141
2015	1.5923	9.6030	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	1.0887
2016	1.5158	9.0863	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	1.0541
Annual averages +										
2003	1.9438	8.0033	61.336	34.6699	1.9703	8.5317	1.5212	46.923	1,694,851	1.1312
2004	1.8731	8.3697	69.727	35.8192	2.1016	8.0092	1.5438	50.077	1,777,052	1.2439
2005	1.7660	8.0092	68.494	35.1884	2.0702	7.9183	1.5483	50.068	1,6771	1.2441
2006	1.9373	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1,8090	1.2556
2007	1.8627	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1,7865	1.3705
2008	2.0770	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1,9064	1.4708
2009	2.2121	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	1.3948
2010	1.8377	8.0043	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1,9965	1.3257
2011	1.7600	7.7934	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	1.3920
2012	1.5867	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	1.2848
2013	1.6206	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	1.3281
2014	1.5995	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	1.3285
2015	1.5930	8.9496	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	1.1095
2016	1.5886	9.2906	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	1.1069

* See Explanatory notes, p 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. ¹ Up to March 2005, ECB indicative rates. ² The ECB has not fixed a euro foreign exchange reference rate for the Icelandic krona since 4 December 2008. ³ Up to December

2008, ECB indicative rates. ⁴ Up to December 2010, ECB indicative rates. ⁵ Up to December 2007, ECB indicative rates. ⁶ Currency conversion effective from 1 January 2005: 1,000,000 Turkish lira (TRL) = 1 New Turkish lira (TRY), designated as Turkish lira (TRY) since 1 January 2009.

II Euro foreign exchange reference rates of the European Central Bank

4 Exchange rates of major currencies



¹ Last monthly average: September 2017. ² Last updated: 9 October 2017.

III Effective exchange rates of the euro *

1 Annual and monthly averages

1999 Q1 = 100

Period	Effective exchange rate of the euro ¹				<i>Memo item</i> Indicators of the German economy's price competitiveness based on consumer price indices					
	EER-19		EER-38		26 selected industrial countries			37 countries	56 countries	
	Nominal	Real, based on consumer price indices	Nominal	Real, based on consumer price indices ²	Total	Euro area countries	Non-euro area countries			
1999	96.3	96.1	96.5	95.8	98.2	100.1	95.9	98.0	97.7	
2000	87.2	86.7	88.1	85.9	93.0	99.0	85.8	92.0	90.9	
2001	87.8	87.1	90.6	86.9	93.0	98.1	86.9	91.4	90.8	
2002	90.1	90.2	95.1	90.5	93.5	96.9	89.5	91.9	91.7	
2003	100.7	101.2	107.1	101.4	97.0	95.8	99.1	96.5	96.7	
2004	104.6	104.9	111.7	105.0	98.4	95.4	102.9	98.0	98.3	
2005	102.9	103.4	109.7	102.4	98.4	95.2	103.2	96.9	96.5	
2006	102.8	103.3	109.6	101.7	98.5	94.9	104.1	96.4	95.8	
2007	106.1	106.0	113.0	103.6	100.7	95.2	109.7	97.8	96.9	
2008	109.3	108.1	117.2	105.5	102.1	94.6	114.7	97.7	97.0	
2009	110.7	108.8	120.2	106.6	101.7	94.5	113.8	97.9	97.4	
2010	103.6	101.1	111.7	97.6	98.7	94.1	106.0	93.6	91.9	
2011	103.3	100.1	112.4	97.0	98.1	93.7	105.0	92.7	91.3	
2012	97.7	94.8	107.3	92.2	95.8	93.2	99.6	89.7	88.2	
2013	101.0	97.7	111.8	95.1	98.1	93.3	105.6	91.4	90.1	
2014	101.4	97.2	114.3	95.4	98.1	93.6	105.3	91.6	90.7	
2015	91.7	87.6	105.7	p 87.0	94.1	93.6	94.6	86.4	p 85.8	
2016	94.4	89.5	109.7	p 89.3	94.7	93.6	96.2	87.4	p 87.0	
2013 Nov	101.9	98.2	113.9	96.1	98.6	93.5	106.6	91.9	90.9	
2013 Dec	103.0	99.3	115.4	97.4	99.0	93.5	107.9	92.5	91.7	
2014 Jan	102.6	98.8	115.5	97.3	98.9	93.5	107.4	92.3	91.6	
2014 Feb	102.8	99.0	116.0	97.6	98.7	93.4	107.1	92.3	91.7	
2014 Mar	104.0	99.9	117.2	98.4	99.0	93.4	107.8	92.9	92.2	
2014 Apr	103.9	99.8	116.7	97.9	98.8	93.4	107.4	92.8	91.9	
2014 May	103.2	98.9	115.9	96.8	98.5	93.5	106.5	92.4	91.3	
2014 June	102.4	98.1	114.9	96.0	98.4	93.6	105.8	92.1	91.0	
2014 July	102.0	97.6	114.4	95.4	98.3	93.8	105.5	92.0	90.8	
2014 Aug	101.2	96.9	113.7	94.8	98.1	93.7	104.8	91.6	90.4	
2014 Sep	99.5	95.2	111.9	93.3	97.6	93.8	103.5	90.7	89.6	
2014 Oct	98.6	94.3	111.3	92.5	97.2	93.7	102.5	90.1	89.1	
2014 Nov	98.4	94.1	111.3	92.4	97.2	93.6	102.7	90.0	89.0	
2014 Dec	98.4	94.0	112.3	93.0	97.1	93.6	102.5	89.9	89.2	
2015 Jan	94.6	90.3	108.1	89.3	95.1	93.5	97.4	87.8	87.0	
2015 Feb	92.8	88.7	106.2	87.8	94.8	93.8	95.9	87.2	86.4	
2015 Mar	90.0	86.1	103.0	85.1	93.6	93.7	93.2	85.6	84.6	
2015 Apr	89.1	85.3	101.7	84.0	93.4	93.7	92.7	85.2	84.0	
2015 May	91.0	87.1	104.1	85.8	94.0	93.7	94.3	86.2	85.1	
2015 June	91.7	87.7	105.2	86.8	94.1	93.5	94.7	86.4	85.6	
2015 July	90.7	86.6	104.3	85.8	93.7	93.5	93.6	85.8	85.0	
2015 Aug	92.4	88.1	107.2	88.0	94.3	93.6	95.0	86.7	86.4	
2015 Sep	93.2	88.8	108.7	89.2	94.5	93.6	95.8	87.1	87.1	
2015 Oct	93.0	88.8	108.2	88.7	94.5	93.6	95.7	87.1	86.9	
2015 Nov	90.5	86.3	105.1	p 86.0	93.5	93.6	93.0	85.8	p 85.3	
2015 Dec	91.9	87.5	107.1	p 87.5	93.7	93.3	93.9	86.2	p 85.9	
2016 Jan	93.0	88.4	108.9	p 88.7	93.9	93.5	94.4	86.7	p 86.7	
2016 Feb	94.2	89.2	110.3	p 89.9	94.4	93.4	95.7	87.2	p 87.1	
2016 Mar	93.6	88.8	109.1	p 89.0	94.5	93.5	95.7	87.0	p 86.7	
2016 Apr	94.4	89.5	109.8	p 89.4	94.8	93.6	96.4	87.5	p 87.1	
2016 May	94.6	89.9	110.3	p 89.9	94.8	93.6	96.3	87.8	p 87.4	
2016 June	94.4	89.7	109.9	p 89.6	94.6	93.6	95.8	87.6	p 87.2	
2016 July	94.6	89.8	109.6	p 89.2	94.8	93.6	96.4	87.6	p 86.9	
2016 Aug	94.9	90.1	110.1	p 89.5	95.0	93.6	97.0	87.7	p 87.1	
2016 Sep	95.1	90.1	110.3	p 89.7	95.1	93.6	97.1	87.8	p 87.2	
2016 Oct	95.1	90.3	110.0	p 89.5	95.4	93.7	97.7	87.9	p 87.1	
2016 Nov	94.6	89.6	109.7	p 89.0	94.7	93.5	96.3	87.4	p 86.7	
2016 Dec	93.7	88.9	108.6	p 88.2	94.6	93.9	95.5	87.3	p 86.6	
2017 Jan	93.9	89.1	109.1	p 88.4	94.4	93.5	95.6	87.1	p 86.4	
2017 Feb	93.4	88.8	108.2	p 87.9	94.4	93.6	95.3	87.0	p 86.1	
2017 Mar	94.0	89.2	108.6	p 88.0	94.6	93.5	95.9	87.1	p 86.1	
2017 Apr	93.7	89.0	108.3	p 87.7	94.4	93.5	95.5	87.0	p 86.0	
2017 May	95.6	90.5	110.5	p 89.3	95.4	93.7	97.8	88.1	p 87.1	
2017 June	96.3	91.3	111.5	p 90.1	95.9	93.8	99.0	88.5	p 87.6	
2017 July	97.6	p 92.4	113.4	p 91.6	96.6	93.9	100.6	p 89.2	p 88.6	
2017 Aug	99.0	p 93.7	115.1	p 92.9	p 97.2	93.7	p 102.5	p 89.8	p 89.2	
2017 Sep	99.0	p 93.7	115.1	p 92.8	p 97.2	p 93.7	p 102.5	p 89.8	p 89.2	

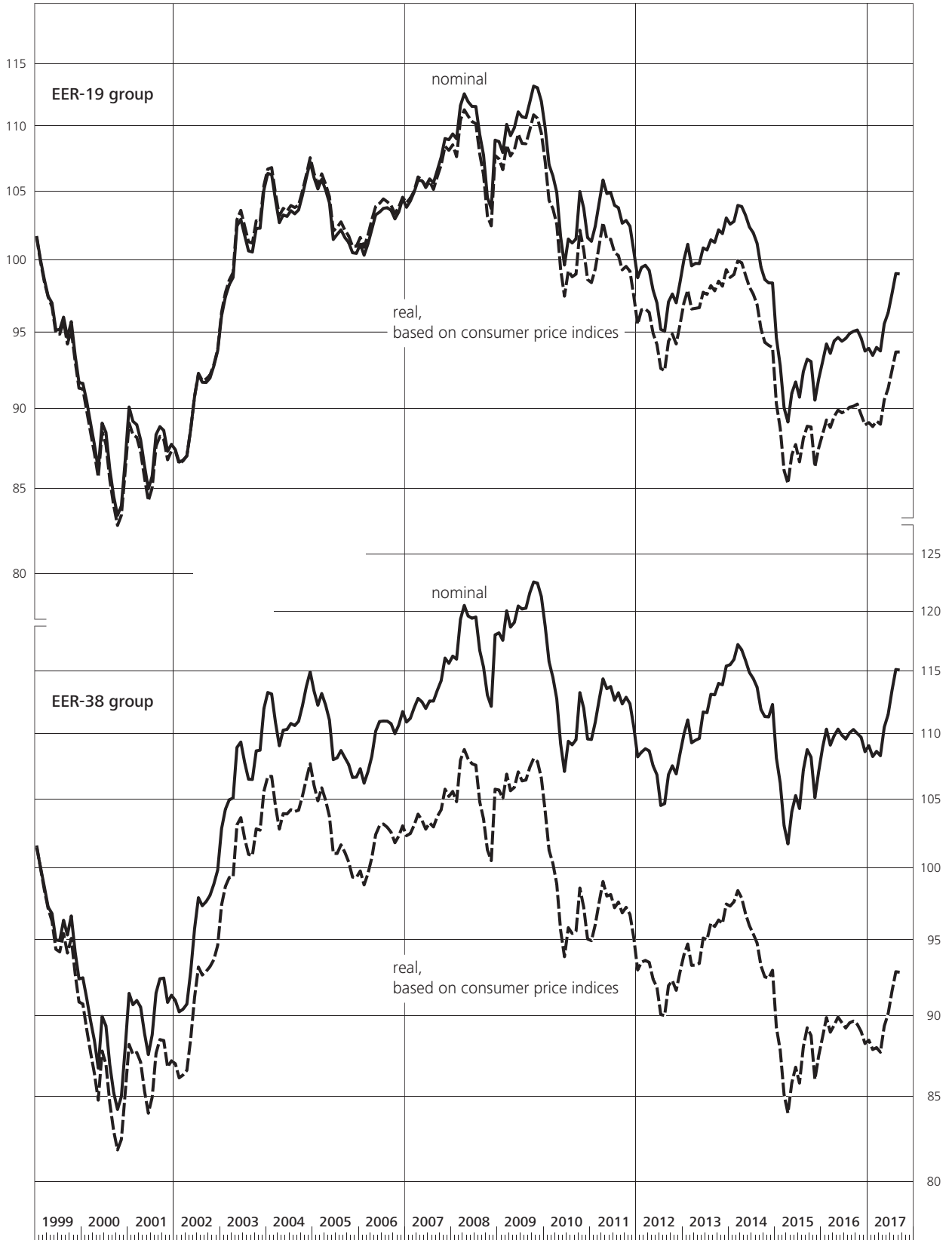
* See Explanatory notes, p 51. ¹ Source: ECB. ² Data for Argentina are currently not available due to the state of emergency in the national statistical system declared by the government of Argentina on 7 January 2016. As a consequence, Argentina is not

included in the calculation of the EER-38 CPI deflated series from February 2016. The policy regarding the inclusion of Argentina will be reconsidered in the future depending on further developments.

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			
					July 2017	August 2017	September 2017	
Afghanistan								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 67.6255	AFN 68.3703	AFN 68.3959	AFN 68.2604	
		S	USD 1 =	AFN 67.7255	AFN 68.4703	AFN 68.4959	AFN 68.3604	
	AFN	B	EUR 1 =	AFN 74.2813	AFN 79.9217	AFN 81.2800	AFN 80.1846	
		S	EUR 1 =	AFN 74.5413	AFN 80.1817	AFN 81.5400	AFN 80.4446	
	Albania							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 124.35	ALL 113.39	ALL 112.29	ALL 113.37
M			EUR 1 =	ALL 137.39	ALL 132.98	ALL 133.50	ALL 133.70	
Algeria								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 109.5779	DZD 108.3987	DZD 111.2496	DZD 113.1131	
		S	USD 1 =	DZD 109.5929	DZD 108.4137	DZD 111.2646	DZD 113.1281	
	DZD	B	EUR 1 =	DZD 121.0722	DZD 127.1842	DZD 131.5527	DZD 133.5074	
		S	EUR 1 =	DZD 121.1234	DZD 127.2235	DZD 131.6038	DZD 133.5477	
Angola ¹								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 163.205	AOA 165.093	AOA 165.095	AOA 165.096	
		S	USD 1 =	AOA 164.837	AOA 166.744	AOA 166.746	AOA 166.747	
	AOA	B	EUR 1 =	AOA 182.043	AOA 184.492	AOA 184.494	AOA 184.495	
		S	EUR 1 =	AOA 183.827	AOA 186.298	AOA 186.300	AOA 186.301	
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 3.1525	XCD 3.1788	XCD 3.1737	
		V, S	EUR 1 =	XCD 3.0073	XCD 3.1861	XCD 3.2127	XCD 3.2076	
Argentina								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 14.6816	ARS 17.5400	ARS 17.2100	ARS 17.2100	
		S	USD 1 =	ARS 14.7816	ARS 17.6400	ARS 17.3100	ARS 17.3100	
	ARS	B	EUR 1 =	ARS 16.2264	ARS 20.7060	ARS 20.4506	ARS 20.2940	
		S	EUR 1 =	ARS 16.3739	ARS 20.8681	ARS 20.6127	ARS 20.4552	
Armenia								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 480.52	AMD 478.36	AMD 478.44	AMD 478.41	
		M	EUR 1 =	AMD 531.12	AMD 561.31	AMD 568.15	AMD 564.57	
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 208.86	AWG 210.61	AWG 210.27	
		S	EUR 100 =	AWG 198.85	AWG 210.96	AWG 212.73	AWG 212.38	

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		
					July 2017	August 2017	September 2017
Australia							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7437	USD 0.7987	USD 0.7898	USD 0.7839
		M	AUD 1 =	EUR 0.6741	EUR 0.6800	EUR 0.6652	EUR 0.6658
Austria							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
Azerbaijan							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.5993	AZN 1.7009	AZN 1.7010	AZN 1.7002
		M	EUR 1 =	AZN 1.7664	AZN 1.9963	AZN 2.0204	AZN 2.0027
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 1.16684	BSD 1.17659	BSD 1.17470
		V, S	EUR 1 =	BSD 1.12074	BSD 1.18736	BSD 1.19728	BSD 1.19536
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 0.4288079	BHD 0.4347540	BHD 0.4303114
		S	EUR 1 =	BHD 0.4283375	BHD 0.4553321	BHD 0.4616460	BHD 0.4569286
Bangladesh 1							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 77.9750	BDT 80.6500	BDT 80.7000	BDT 80.8000
		S	USD 1 =	BDT 78.9650	BDT 80.6600	BDT 80.7000	BDT 80.8000
		B	EUR 1 =	BDT 84.7274	BDT 95.4896	BDT 95.8797	BDT 95.4410
		S	EUR 1 =	BDT 88.2358	BDT 95.5337	BDT 95.9120	BDT 95.4733
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 2.34040	BBD 2.36669	BBD 2.34737
		S	EUR 1 =	BBD 2.23736	BBD 2.38428	BBD 2.41106	BBD 2.39138
Belarus							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 1.9916 3	BYN 1.9396	BYN 1.9335	BYN 1.9623
		M	EUR 1 =	BYN 2.2021 3	BYN 2.2700	BYN 2.3108	BYN 2.3141

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		
					July 2017	August 2017	September 2017
Belgium							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
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 2.3277	BZD 2.3485	BZD 2.3368	
	BZD	S	EUR 1 =	BZD 2.2274	BZD 2.3687	BZD 2.3899	BZD 2.3780
Benin ¹							
Porto-Novo Seat of Government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 559.356	XOF 554.721	XOF 555.613
		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 1.1680	BMD 1.1778	BMD 1.1759	
	V, S	EUR 1 =	BMD 1.1117	BMD 1.1777	BMD 1.1876	BMD 1.1857	
Bhutan ¹							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 67.04	BTN 63.15	BTN 62.90	BTN 64.50
		S	USD 1 =	BTN 67.94	BTN 65.20	BTN 64.95	BTN 66.65
	B	EUR 1 =	BTN 73.90	BTN 73.95	BTN 75.15	BTN 75.90	
	S	EUR 1 =	BTN 74.78	BTN 76.00	BTN 77.25	BTN 78.00	
Bolivia, Plurinational State of							
Sucre Seat of Government: La Paz 516	Boliviano = 100 centavos BOB	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
		S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		V, B	EUR 1 =	BOB 7.5883	BOB 8.0447	BOB 8.1120	BOB 8.0989
		V, S	EUR 1 =	BOB 7.6989	BOB 8.1620	BOB 8.2302	BOB 8.2170
Bosnia and Herzegovina							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.768868	BAM 1.663347	BAM 1.637245	BAM 1.652499
		S	USD 1 =	BAM 1.777735	BAM 1.671685	BAM 1.645451	BAM 1.660783
	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 0.0981	USD 0.0987	USD 0.0974
		S	BWP 1 =	USD 0.0921	USD 0.0978	USD 0.0985	USD 0.0972
	B	BWP 1 =	EUR 0.0836	EUR 0.0836	EUR 0.0833	EUR 0.0824	
	S	BWP 1 =	EUR 0.0834	EUR 0.0834	EUR 0.0831	EUR 0.0823	

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		
					July 2017	August 2017	September 2017
Brazil							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.4827	BRL 3.1301	BRL 3.1465	BRL 3.1674
		S	USD 1 =	BRL 3.4833	BRL 3.1307	BRL 3.1471	BRL 3.1680
	BRL	B	EUR 1 =	BRL 3.8029	BRL 3.7010	BRL 3.7415	BRL 3.7410
		S	EUR 1 =	BRL 3.8043	BRL 3.7027	BRL 3.7435	BRL 3.7430
Brunei Darussalam ¹							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3729	BND 1.3479	BND 1.3473	BND 1.3483
		S	USD 1 =	BND 1.3939	BND 1.3689	BND 1.3683	BND 1.3693
	BND	B	EUR 1 =	BND 1.4995	BND 1.5686	BND 1.5888	BND 1.5746
		S	EUR 1 =	BND 1.5562	BND 1.6254	BND 1.6456	BND 1.6314
Bulgaria							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.76889	BGN 1.66780	BGN 1.65398	BGN 1.65664
		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 559.356	XOF 554.721	XOF 555.613
		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 1,718.7390	BIF 1,726.2729	BIF 1,733.2821
		S	USD 1 =	BIF 1,673.9395	BIF 1,753.4610	BIF 1,761.1471	BIF 1,768.2979
	BIF	B	EUR 1 =	BIF 1,808.9191	BIF 2,017.3699	BIF 2,049.9490	BIF 2,040.7663
		S	EUR 1 =	BIF 1,845.4629	BIF 2,058.1249	BIF 2,091.3622	BIF 2,081.9939
Cabo Verde							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 100.009	CVE 93.910	CVE 92.434	CVE 93.518
		S	USD 1 =	CVE 100.211	CVE 94.112	CVE 92.636	CVE 93.720
	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 4,098	KHR 4,050	KHR 4,053
		B	EUR 1 =	KHR 4,477	KHR 4,812	KHR 4,814	KHR 4,775
	S	EUR 1 =	KHR 4,522	KHR 4,860	KHR 4,862	KHR 4,823	
Cameroon ¹							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 559.356	XAF 554.721	XAF 555.613
		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 1.2485	CAD 1.2536	CAD 1.2480
		M	EUR 1 =	CAD 1.4585	CAD 1.4719	CAD 1.4887	CAD 1.4742

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		
					July 2017	August 2017	September 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 0.9773	KYD 0.9854	KYD 0.9838
Central African Republic ¹							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 559.356	XAF 554.721	XAF 555.613
		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 559.356	XAF 554.721	XAF 555.613
		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 651.58	CLP 628.36	CLP 636.85
		M	EUR 1 =	CLP 748.75	CLP 765.84	CLP 747.51	CLP 750.47
China							
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.6420	CNY 6.7283	CNY 6.6010	CNY 6.6369
		M	EUR 1 =	CNY 7.3417	CNY 7.9059	CNY 7.8525	CNY 7.8233
		M	HKD 1 =	CNY 0.85648	CNY 0.86158	CNY 0.84358	CNY 0.84966
China (Taiwan)							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 32.20	TWD 30.20	TWD 30.11	TWD 30.19
		S	USD 1 =	TWD 32.30	TWD 30.30	TWD 30.21	TWD 30.29
		B	EUR 1 =	TWD 35.46	TWD 35.33	TWD 35.64	TWD 35.58
S	EUR 1 =	TWD 35.86	TWD 35.73	TWD 36.04	TWD 35.98		
Colombia							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,054.174	COP 2,995.23	COP 2,937.09	COP 2,941.07
		V, M	EUR 1 =	COP 3,378.388	COP 3,512.506	COP 3,473.109	COP 3,472.227
Comoros							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 444.45546	KMF 419.51714	KMF 416.04038	KMF 416.70994
		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 559.356	XAF 554.721	XAF 555.613
		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			
					July 2017	August 2017	September 2017	
Congo, Democratic Republic of the								
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,001.9582	CDF 1,614.8498	CDF 1,524.8613	CDF 1,535.5290	
		S	USD 1 =	CDF 1,042.8545	CDF 1,680.7620	CDF 1,587.1006	CDF 1,598.2036	
	CDF	B	EUR 1 =	CDF 1,101.1857	CDF 1,895.6217	CDF 1,815.7035	CDF 1,810.6953	
S		EUR 1 =	CDF 1,146.1321	CDF 1,972.9940	CDF 1,889.8138	CDF 1,884.6012		
Cook Islands ¹								
Avarua 837	Cook Islands dollar ² = 100 cents NZD	B	NZD 1 =	EUR 0.6477	EUR 0.6558	EUR 0.6193	EUR 0.6277	
		S	NZD 1 =	EUR 0.6197	EUR 0.6280	EUR 0.5928	EUR 0.6009	
Costa Rica								
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 539.45	CRC 568.87	CRC 571.91	CRC 568.33	
		S	USD 1 =	CRC 552.06	CRC 575.17	CRC 577.42	CRC 574.13	
	CRC	V, B	EUR 1 =	CRC 595.0202	CRC 667.1138	CRC 676.2836	CRC 670.9704	
V, S		EUR 1 =	CRC 608.9289	CRC 674.5019	CRC 682.7992	CRC 677.8179		
Côte d'Ivoire ¹								
Yamoussoukro Seat of Government: Abidjan 272	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 559.356	XOF 554.721	XOF 555.613	
		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 6.305416	HRK 6.183937	HRK 6.334964	
		S	USD 1 =	HRK 6.833936	HRK 6.343362	HRK 6.221153	HRK 6.373088	
	HRK	B	EUR 1 =	HRK 7.504508	HRK 7.386795	HRK 7.388569	HRK 7.474624	
S		EUR 1 =	HRK 7.549670	HRK 7.431249	HRK 7.433033	HRK 7.519606		
Cuba ¹								
Havana 448	Convertible peso / Cuban peso = 100 centavos	⁴ B	CUC 1 =	USD 1.03360	USD 1.03360	USD 1.03360	USD 1.02827	
		⁴ S	CUC 1 =	USD 0.96852	USD 0.96852	USD 0.96852	USD 0.97324	
	CUC / CUP	B	EUR 1 =	CUC 1.06595	CUC 1.13613	CUC 1.15576	CUC 1.14623	
S		EUR 1 =	CUC 1.13772	CUC 1.21257	CUC 1.22114	CUC 1.21107		
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 208.86	ANG 210.61	ANG 210.27	
S		EUR 100 =	ANG 200.44	ANG 213.07	ANG 214.85	ANG 214.51		
Cyprus								
Nicosia 600	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806	
Czechia								
Prague 061	Czech koruna = 100 heller CZK	M	USD 1 =	CZK 24.432	CZK 22.240	CZK 22.073	CZK 22.003	
		M	EUR 1 =	CZK 27.043	CZK 26.080	CZK 26.105	CZK 25.975	

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		
					July 2017	August 2017	September 2017
Denmark							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 673.27	DKK 634.13	DKK 629.04	DKK 630.38
		M	EUR 100 =	DKK 744.51	DKK 743.64	DKK 743.84	DKK 744.23
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 205.90	DJF 210.25	DJF 205.88
		S	EUR 1 =	DJF 201.01	DJF 213.94	DJF 218.46	DJF 213.92
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 3.1525	XCD 3.1788	XCD 3.1737
		V, S	EUR 1 =	XCD 3.0073	XCD 3.1861	XCD 3.2127	XCD 3.2076
Dominican Republic							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 45.7225	DOP 47.2013	DOP 47.2716	DOP 47.3813
		S	USD 1 =	DOP 46.1276	DOP 47.5617	DOP 47.6665	DOP 47.7862
		B	EUR 1 =	DOP 49.5990	DOP 54.0105	DOP 55.0168	DOP 55.1874
		S	EUR 1 =	DOP 52.9180	DOP 57.1789	DOP 58.2603	DOP 58.2215
Egypt							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 10.1049	EGP 17.8000	EGP 17.6300	EGP 17.6000
		S	USD 1 =	EGP 10.1571	EGP 17.9000	EGP 17.7300	EGP 17.7000
		B	EUR 1 =	EGP 11.0444	EGP 20.8687	EGP 20.9709	EGP 20.6290
		S	EUR 1 =	EGP 11.2018	EGP 21.0522	EGP 21.2476	EGP 20.8772
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 10.2611	SVC 10.3469	SVC 10.3303
Equatorial Guinea ¹							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 559.356	XAF 554.721	XAF 555.613
		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 17.5575	ERN 17.9055	ERN 17.8140
		S	EUR 1 =	ERN 17.2575	ERN 18.1937	ERN 18.5417	ERN 18.9919
Estonia							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806

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		
					July 2017	August 2017	September 2017
Ethiopia							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 21.7838	ETB 23.1956	ETB 23.2972	ETB 23.3854
		S	USD 1 =	ETB 22.2195	ETB 23.6595	ETB 23.7631	ETB 23.8531
	ETB	B	EUR 1 =	ETB 24.0212	ETB 27.2502	ETB 27.7633	ETB 27.6018
S		EUR 1 =	ETB 24.5107	ETB 27.8094	ETB 28.3280	ETB 28.1634	
Falkland Islands (Islas Malvinas)							
Stanley 529	Falkland Islands pound ² = 100 pence FKP	V	USD 1 =	FKP 0.74034	FKP 0.76251	FKP 0.77778	FKP 0.74689
		V	EUR 1 =	FKP 0.81948	FKP 0.89420	FKP 0.91973	FKP 0.88178
Fiji							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4855	USD 0.5056	USD 0.5000	USD 0.4991
		S	FJD 1 =	USD 0.4685	USD 0.4886	USD 0.4830	USD 0.4821
	FJD	B	FJD 1 =	EUR 0.4383	EUR 0.4286	EUR 0.4192	EUR 0.4218
		S	FJD 1 =	EUR 0.4263	EUR 0.4166	EUR 0.4072	EUR 0.4098
Finland							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
France							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
Gabon ¹							
Libreville 314	CFA franc	V	USD 1 =	XAF 592.607	XAF 559.356	XAF 554.721	XAF 555.613
	XAF	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 46.96	GMD 47.00	GMD 47.22
		M	EUR 1 =	GMD 48.60	GMD 54.28	GMD 55.41	GMD 56.52
Georgia							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.3757	GEL 2.4009	GEL 2.4274	GEL 2.4835
		M	EUR 1 =	GEL 2.6255	GEL 2.8110	GEL 2.9000	GEL 2.9258
Germany							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806

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.

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		
					July 2017	August 2017	September 2017
Ghana							
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 3.9280	GHS 4.3721	GHS 4.3972	GHS 4.3922
		S	USD 1 =	GHS 3.9319	GHS 4.3765	GHS 4.4016	GHS 4.3966
	GHS	B	EUR 1 =	GHS 4.3326	GHS 5.1548	GHS 5.2197	GHS 5.1922
S		EUR 1 =	GHS 4.3360	GHS 5.1597	GHS 5.2232	GHS 5.1958	
Gibraltar							
Gibraltar 044	Gibraltar pound ² = 100 pence GIP	V	USD 1 =	GIP 0.74034	GIP 0.76251	GIP 0.77778	GIP 0.74689
		V	EUR 1 =	GIP 0.81948	GIP 0.89420	GIP 0.91973	GIP 0.88178
Greece ¹							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
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 3.1525	XCD 3.1788	XCD 3.1737
V, S		EUR 1 =	XCD 3.0073	XCD 3.1861	XCD 3.2127	XCD 3.2076	
Guatemala							
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.60438	GTQ 7.28235	GTQ 7.29086	GTQ 7.34427
		V, M	EUR 1 =	GTQ 8.39003	GTQ 8.54001	GTQ 8.62144	GTQ 8.67065
Guinea							
Conakry 260	Guinean franc	B	USD 1 =	GNF 8,612.0636	GNF 8,755.0000	GNF 8,780.0000	GNF 8,730.0000
		S	USD 1 =	GNF 9,088.2761	GNF 9,150.0000	GNF 9,050.0000	GNF 9,000.0000
	GNF	B	EUR 1 =	GNF 9,484.4388	GNF 10,246.6768	GNF 10,446.9708	GNF 10,292.6700
S		EUR 1 =	GNF 10,008.4364	GNF 10,708.9768	GNF 10,768.2330	GNF 10,611.0000	
Guinea-Bissau ¹							
Bissau 257	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 559.356	XOF 554.721	XOF 555.613
		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 241.54	GYD 243.58	GYD 243.18
S		EUR 1 =	GYD 230.06	GYD 244.62	GYD 246.68	GYD 246.29	

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		
					July 2017	August 2017	September 2017
Haiti							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 63.7147	HTG 62.4717	HTG 62.6587	HTG 62.6900
		V, M	EUR 1 =	HTG 70.2563	HTG 73.2606	HTG 74.0939	HTG 74.0118
Honduras							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 22.8835	HNL 23.4011	HNL 23.3801	HNL 23.3962
		S	USD 1 =	HNL 23.0436	HNL 23.5649	HNL 23.5438	HNL 23.5600
		V, B	EUR 1 =	HNL 25.2388	HNL 27.4425	HNL 27.6470	HNL 27.6216
		V, S	EUR 1 =	HNL 25.4155	HNL 27.6346	HNL 27.8405	HNL 27.8149
Hong Kong							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.74365	HKD 7.78950	HKD 7.80560	HKD 7.79040
		S	USD 1 =	HKD 7.78145	HKD 7.82950	HKD 7.84560	HKD 7.83040
		B	EUR 1 =	HKD 8.52775	HKD 9.12684	HKD 9.26934	HKD 9.18024
		S	EUR 1 =	HKD 8.58753	HKD 9.19426	HKD 9.33676	HKD 9.24766
Hungary							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 281.44	HUF 259.80	HUF 257.33	HUF 263.75
		M	EUR 1 =	HUF 311.84	HUF 304.82	HUF 306.14	HUF 311.23
Iceland							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 120.14	ISK 102.82	ISK 104.91	ISK 105.22
		S	USD 1 =	ISK 120.71	ISK 103.32	ISK 105.41	ISK 105.72
		B	EUR 1 =	ISK 133.22	ISK 120.56	ISK 124.35	ISK 124.20
		S	EUR 1 =	ISK 133.96	ISK 121.24	ISK 125.05	ISK 124.90
India ¹							
New Delhi 664	Indian rupee = 100 paise INR	B	USD 1 =	INR 66.81	INR 63.70	INR 63.60	INR 64.95
		S	USD 1 =	INR 67.79	INR 64.55	INR 64.45	INR 65.80
		B	EUR 1 =	INR 73.35	INR 74.37	INR 75.21	INR 76.15
		S	EUR 1 =	INR 75.08	INR 76.01	INR 76.86	INR 77.81
Indonesia							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 13,243.83	IDR 13,256.00	IDR 13,284.00	IDR 13,425.00
		S	USD 1 =	IDR 13,376.83	IDR 13,390.00	IDR 13,418.00	IDR 13,559.00
		B	EUR 1 =	IDR 14,633.44	IDR 15,561.22	IDR 15,774.75	IDR 15,814.65
		S	EUR 1 =	IDR 14,784.94	IDR 15,721.20	IDR 15,939.24	IDR 15,975.21
Iran, Islamic Republic of ¹							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 31,002	IRR 32,735	IRR 33,208	IRR 33,805
		M	EUR 1 =	IRR 34,194	IRR 38,411	IRR 39,440	IRR 39,666

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		
					July 2017	August 2017	September 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 1,387.783	IQD 1,409.439	IQD 1,393.818
			EUR 1 =	IQD 1,301.934	IQD 1,388.477	IQD 1,410.144	IQD 1,394.515
		3 B S	USD 1 =	IQD –	IQD 1,252.00	IQD 1,244.00	IQD 1,246.00
			USD 1 =	IQD –	IQD –	IQD 1,257.00	IQD 1,250.00
V, B V, S	EUR 1 =	IQD –	IQD 1,468.22	IQD 1,471.03	IQD 1,471.03		
V, S	EUR 1 =	IQD –	IQD –	IQD 1,474.08	IQD 1,475.76	IQD 1,475.75	
Ireland							
Dublin 007	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
Israel							
Jerusalem 624	New Israeli sheqel = 100 agorot ILS	M	USD 1 =	ILS 3.8406	ILS 3.5580	ILS 3.5960	ILS 3.5290
		M	EUR 1 =	ILS 4.2256	ILS 4.1745	ILS 4.2607	ILS 4.1569
Italy							
Rome 005	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
Jamaica							
Kingston 464	Jamaican dollar = 100 cents JMD	B S	USD 1 =	JMD 125.0655	JMD 126.9922	JMD 128.8710	JMD 128.4890
			USD 1 =	JMD 125.7664	JMD 128.2195	JMD 129.6466	JMD 129.9127
		B S	EUR 1 =	JMD 136.03736	JMD 141.9027	JMD 146.1338	JMD 147.3188
			EUR 1 =	JMD 139.02909	JMD 151.3754	JMD 153.5487	JMD 152.4545
Japan							
Tokyo 732	Japanese yen = 100 sen JPY	B S	USD 1 =	JPY 107.70	JPY 109.35	JPY 109.42	JPY 111.73
			USD 1 =	JPY 109.70	JPY 111.35	JPY 111.42	JPY 113.73
		B S	EUR 1 =	JPY 119.13	JPY 128.15	JPY 129.84	JPY 131.35
			EUR 1 =	JPY 122.13	JPY 131.15	JPY 132.84	JPY 134.35
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 0.83006	JOD 0.84429	JOD 0.82985
			EUR 1 =	JOD 0.78450	JOD 0.83503	JOD 0.85086	JOD 0.83666
Kazakhstan							
Astana 079	Tenge = 100 tiyn KZT	M	USD 1 =	KZT 342.02	KZT 326.74	KZT 334.70	KZT 341.19
		M	EUR 1 =	KZT 378.27	KZT 382.81	KZT 402.91	KZT 402.64

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			
					July 2017	August 2017	September 2017	
Kenya ¹								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 101.4201	KES 103.8111	KES 102.7139	KES 103.1472	
		S	USD 1 =	KES 101.6164	KES 104.0111	KES 102.9083	KES 103.3472	
	KES	B	EUR 1 =	KES 111.7446	KES 121.6633	KES 121.6989	KES 121.5350	
		S	EUR 1 =	KES 111.9896	KES 121.9311	KES 121.9583	KES 121.8056	
	Korea, Democratic People's Republic of							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 108.00	KPW 105.21 ²	KPW 104.63 ²	KPW 105.34 ²
S			USD 1 =	KPW 108.82	KPW 106.00 ²	KPW 105.42 ²	KPW 106.13 ²	
KPW		B	EUR 1 =	KPW 119.03	KPW 124.39 ²	KPW 125.05 ²	KPW 124.18 ²	
		S	EUR 1 =	KPW 119.92	KPW 125.34 ²	KPW 125.99 ²	KPW 125.12 ²	
Korea, Republic of								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,150.51	KRW 1,109.60	KRW 1,116.00	KRW 1,134.80
	S		USD 1 =	KRW 1,173.19	KRW 1,131.40	KRW 1,138.00	KRW 1,157.20	
	KRW	B	EUR 1 =	KRW 1,266.75	KRW 1,301.49	KRW 1,321.48	KRW 1,340.35	
		S	EUR 1 =	KRW 1,292.34	KRW 1,327.77	KRW 1,348.16	KRW 1,367.41	
	Kuwait							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30140	KWD 0.30065	KWD 0.29980	KWD 0.30085
S			USD 1 =	KWD 0.30463	KWD 0.30425	KWD 0.30390	KWD 0.30445	
KWD		B	EUR 1 =	KWD 0.332598	KWD 0.352587	KWD 0.356597	KWD 0.354612	
		S	EUR 1 =	KWD 0.336156	KWD 0.356809	KWD 0.361474	KWD 0.358855	
Kyrgyzstan								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 69.7909	KGS 68.6500	KGS 68.6880	KGS 68.6585
	M		EUR 1 =	KGS 77.1283	KGS 80.3617	KGS 82.0513	KGS 80.9518	
Lao People's Democratic Republic								
Vientiane 684	Kip	B	USD 1 =	LAK 8,110	LAK 8,253	LAK 8,272	LAK 8,277	
		S	USD 1 =	LAK 8,146	LAK 8,290	LAK 8,309	LAK 8,314	
	LAK	B	EUR 1 =	LAK 8,938	LAK 9,511	LAK 9,819	LAK 9,734	
		S	EUR 1 =	LAK 8,980	LAK 9,555	LAK 9,866	LAK 9,780	
	Latvia							
	Riga 054	Euro = 100 cents	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
	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 1,768.75	LBP 1,787.90	LBP 1,777.49	
	LBP							
Lesotho ¹								
Maseru 395	Loti = 100 lisente	M	USD 1 =	LSL 14.6321	LSL 13.1692	LSL 13.0540	LSL 13.4589	
		M	EUR 1 =	LSL 16.2188	LSL 15.4508	LSL 15.4612	LSL 15.9205	
	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		
					July 2017	August 2017	September 2017
Liberia ¹							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 94.33	LRD 114.17	LRD 116.33	LRD 117.28
		S	USD 1 =	LRD 95.33	LRD 114.95	LRD 116.97	LRD 118.15
	LRD	V, B	EUR 1 =	LRD 104.0004	LRD 133.8872	LRD 137.5602	LRD 138.4608
		V, S	EUR 1 =	LRD 105.1035	LRD 134.8019	LRD 138.3170	LRD 139.4879
Libya							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3904	LYD 1.3683	LYD 1.3591	LYD 1.3676
		S	USD 1 =	LYD 1.3973	LYD 1.3752	LYD 1.3659	LYD 1.3744
	LYD	B	EUR 1 =	LYD 1.5321	LYD 1.6073	LYD 1.6243	LYD 1.6057
		S	EUR 1 =	LYD 1.5398	LYD 1.6154	LYD 1.6324	LYD 1.6137
Lithuania							
Vilnius 055	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
Luxembourg							
Luxembourg 018	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
Macao ¹							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 7.9839	MOP 8.0334	MOP 8.0504	MOP 8.0342
		S	USD 1 =	MOP 8.0158	MOP 8.0654	MOP 8.0824	MOP 8.0662
	MOP	B	EUR 1 =	MOP 8.7839	MOP 9.4131	MOP 9.5387	MOP 9.4596
		S	EUR 1 =	MOP 8.8539	MOP 9.4923	MOP 9.6179	MOP 9.5388
Macedonia, former Yugoslav Republic of							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 55.4361	MKD 52.2224	MKD 51.5141	MKD 51.8047
		S	USD 1 =	MKD 55.9933	MKD 52.7472	MKD 52.0319	MKD 52.3254
	MKD	B	EUR 1 =	MKD 61.2875	MKD 61.2516	MKD 61.3842	MKD 61.1607
		S	EUR 1 =	MKD 61.9035	MKD 61.8672	MKD 62.0012	MKD 61.7753
Madagascar							
Antananarivo 370	Ariary = 5 iraimbilanja MGA	M	USD 1 =	MGA 3,179.59	MGA 2,940.61	MGA 2,952.15	MGA 3,020.95
		M	EUR 1 =	MGA 3,508.46	MGA 3,438.18	MGA 3,511.62	MGA 3,557.77
Malawi							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 707.6550	MWK 715.8358	MWK 716.2059	MWK 716.2137
		S	USD 1 =	MWK 725.5648	MWK 734.5458	MWK 734.7785	MWK 734.7865
	MWK	B	EUR 1 =	MWK 780.5850	MWK 840.2481	MWK 850.4229	MWK 843.6281
		S	EUR 1 =	MWK 800.3427	MWK 862.2098	MWK 872.4760	MWK 865.5050

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		
					July 2017	August 2017	September 2017
Malaysia							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.0849	MYR 4.2218	MYR 4.2024	MYR 4.1611
		S	USD 1 =	MYR 4.2091	MYR 4.3382	MYR 4.3356	MYR 4.2929
	MYR	B	EUR 1 =	MYR 4.4830	MYR 4.9325	MYR 5.0115	MYR 4.8808
		S	EUR 1 =	MYR 4.6592	MYR 5.1144	MYR 5.2119	MYR 5.0759
Maldives							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.37	MVR 15.40	MVR 15.42	MVR 15.41
		V, M	EUR 1 =	MVR 16.95186	MVR 18.05958	MVR 18.23415	MVR 18.19305
Mali 1							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 559.356	XOF 554.721	XOF 555.613
		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 1.1727	USD 1.1825	USD 1.1806
Mauritania							
Nouakchott 228	Ouguiya = 5 khoums MRO	B	USD 1 =	MRO 351.33	MRO 357.57	MRO 353.95	MRO 354.07
		S	USD 1 =	MRO 354.85	MRO 361.16	MRO 357.50	MRO 357.62
	MRO	B	EUR 1 =	MRO 387.32	MRO 419.54	MRO 419.47	MRO 417.20
		S	EUR 1 =	MRO 391.20	MRO 423.74	MRO 423.67	MRO 421.39
Mauritius							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 35.1574	MUR 33.1562	MUR 32.4168	MUR 33.2879
		S	USD 1 =	MUR 36.3850	MUR 34.4284	MUR 33.6989	MUR 34.5912
	MUR	B	EUR 1 =	MUR 38.7731	MUR 38.8726	MUR 38.4872	MUR 39.1904
		S	EUR 1 =	MUR 40.1439	MUR 40.3509	MUR 39.9859	MUR 40.6997
Mexico							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 18.7528	MXN 17.8350	MXN 17.7735	MXN 18.1725
		S	USD 1 =	MXN 18.7586	MXN 17.8410	MXN 17.7795	MXN 18.1785
	MXN	V, B	EUR 1 =	MXN 20.6145	MXN 20.9151	MXN 21.0172	MXN 21.4545
		V, S	EUR 1 =	MXN 20.6211	MXN 20.9221	MXN 21.0243	MXN 21.4615
Moldova, Republic of							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 19.9399	MDL 18.0970	MDL 17.8543	MDL 17.6117
		M	EUR 1 =	MDL 22.0525	MDL 21.1852	MDL 21.4858	MDL 20.7465
Mongolia							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,165.48	MNT 2,444.95	MNT 2,430.05	MNT 2,464.43
		M	EUR 1 =	MNT 2,382.89	MNT 2,867.19	MNT 2,889.33	MNT 2,906.67

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			
					July 2017	August 2017	September 2017	
Morocco								
Rabat 204	Moroccan dirham = 100 centimes	B	USD 1 =	MAD 9.7860	MAD 9.4176	MAD 9.3605	MAD 9.3927	
		S	USD 1 =	MAD 9.8449	MAD 9.4742	MAD 9.4167	MAD 9.4491	
	MAD	B	EUR 1 =	MAD 10.811	MAD 11.071	MAD 11.112	MAD 11.089	
		S	EUR 1 =	MAD 10.876	MAD 11.138	MAD 11.179	MAD 11.156	
	Mozambique							
	Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 63.35	MZN 60.57	MZN 60.83	MZN 60.70
S			USD 1 =	MZN 63.49	MZN 61.75	MZN 62.02	MZN 61.87	
MZN		B	EUR 1 =	MZN 69.84	MZN 71.07	MZN 72.21	MZN 71.36	
		S	EUR 1 =	MZN 69.99	MZN 72.44	MZN 73.62	MZN 72.74	
Myanmar								
Nay Pyi Taw 676		Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,241.08	MMK 1,363.00	MMK 1,360.00	MMK 1,360.00
	M		EUR 1 =	MMK 1,369.15	MMK 1,600.50	MMK 1,617.40	MMK 1,601.80	
Namibia ¹								
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 14.6574	NAD 13.1932	NAD 13.0243	NAD 13.5520	
		M	EUR 1 =	NAD 16.1723	NAD 15.4942	NAD 15.4664	NAD 15.9586	
Nepal								
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 107.52	NPR 102.35	NPR 102.13	NPR 104.16	
		S	USD 1 =	NPR 108.12	NPR 102.95	NPR 102.73	NPR 104.76	
	NPR	B	EUR 1 =	NPR 118.49	NPR 120.27	NPR 121.91	NPR 123.03	
		S	EUR 1 =	NPR 119.15	NPR 120.97	NPR 122.63	NPR 123.74	
	Netherlands							
	Amsterdam Seat of Government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
New Caledonia ¹								
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.28	USD 9.83	USD 9.91	USD 9.89	
		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 0.7672	USD 0.7331	USD 0.7372	
		S	NZD 1 =	USD 0.6855	USD 0.7404	USD 0.7072	USD 0.7111	
	NZD	B	NZD 1 =	EUR 0.6477	EUR 0.6558	EUR 0.6193	EUR 0.6277	
		S	NZD 1 =	EUR 0.6197	EUR 0.6280	EUR 0.5928	EUR 0.6009	

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		
					July 2017	August 2017	September 2017
Nicaragua							
Managua 432	Córdoba = 100 centavos NIO	M	USD 1 =	NIO 28.6774	NIO 30.1676	NIO 30.2929	NIO 30.4146
		V, M	EUR 1 =	NIO 31.63069	NIO 35.37754	NIO 35.82135	NIO 35.90748
Niger 1							
Niamey 240	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 559.356	XOF 554.721	XOF 555.613
		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 304.65	NGN 304.85	NGN 304.75
		S	USD 1 =	NGN 254.31	NGN 305.65	NGN 305.85	NGN 305.75
		B	EUR 1 =	NGN 279.4240	NGN 357.3240	NGN 360.8814	NGN 359.8793
		S	EUR 1 =	NGN 280.5293	NGN 358.4969	NGN 362.0652	NGN 361.0602
Norway							
Oslo 028	Norwegian krone = 100 øre NOK	B	USD 1 =	NOK 8.3694	NOK 7.8810	NOK 7.7732	NOK 7.9157
		S	USD 1 =	NOK 8.4325	NOK 7.9460	NOK 7.8382	NOK 7.9807
		B	EUR 1 =	NOK 9.2357	NOK 9.2505	NOK 9.2465	NOK 9.3389
		S	EUR 1 =	NOK 9.3054	NOK 9.3225	NOK 9.3185	NOK 9.4109
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 0.4505472	OMR 0.4600320	OMR 0.4505088
		S	EUR 1 =	OMR 0.4244048	OMR 0.4517590	OMR 0.4613070	OMR 0.4517590
Pakistan							
Islamabad 662	Pakistani rupee = 100 paisa PKR	B	USD 1 =	PKR 104.40	PKR 105.30	PKR 105.20	PKR 105.25
		S	USD 1 =	PKR 104.60	PKR 105.50	PKR 105.40	PKR 105.45
		B	EUR 1 =	PKR 115.40	PKR 123.56	PKR 124.97	PKR 124.04
		S	EUR 1 =	PKR 115.62	PKR 123.79	PKR 125.21	PKR 124.27
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 1.1727	PAB 1.1825	PAB 1.1806
Papua New Guinea							
Port Moresby 801	Kina = 100 toea PGK	B	PGK 1 =	USD 0.3260	USD 0.3220	USD 0.3210	USD 0.3200
		S	PGK 1 =	USD 0.3110	USD 0.3070	USD 0.3060	USD 0.3050
		B	PGK 1 =	EUR 0.2938	EUR 0.2724	EUR 0.2683	EUR 0.2699
		S	PGK 1 =	EUR 0.2791	EUR 0.2575	EUR 0.2533	EUR 0.2550

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		
					July 2017	August 2017	September 2017
Paraguay							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,672.44	PYG 5,546.80	PYG 5,649.44	PYG 5,653.58
		S	USD 1 =	PYG 5,685.30	PYG 5,563.80	PYG 5,659.56	PYG 5,659.58
	PYG	V, B	EUR 1 =	PYG 6,272.17	PYG 6,504.73	PYG 6,680.46	PYG 6,674.62
		V, S	EUR 1 =	PYG 6,286.42	PYG 6,524.67	PYG 6,692.43	PYG 6,681.70
Peru							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.372	PEN 3.239	PEN 3.239	PEN 3.263
		S	USD 1 =	PEN 3.377	PEN 3.242	PEN 3.242	PEN 3.267
	PEN	B	EUR 1 =	PEN 3.628	PEN 3.700	PEN 3.830	PEN 3.797
		S	EUR 1 =	PEN 3.878	PEN 3.884	PEN 3.913	PEN 4.062
Philippines							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 46.87244	PHP 50.32000	PHP 50.95000	PHP 50.00000
		S	USD 1 =	PHP 48.25174	PHP 50.82000	PHP 51.45000	PHP 51.10000
	PHP	B	EUR 1 =	PHP 51.72197	PHP 58.35000	PHP 59.87000	PHP 58.90000
		S	EUR 1 =	PHP 53.24397	PHP 60.95000	PHP 62.51000	PHP 61.51000
Poland							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.9435	PLN 3.6264	PLN 3.5822	PLN 3.6519
		M	EUR 1 =	PLN 4.3757	PLN 4.2545	PLN 4.2618	PLN 4.3091
Portugal							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
Qatar							
Doha 644	Qatari riyal = 100 dirham QAR	2	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.014	QAR 4.269	QAR 4.304	QAR 4.297
Romania							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.0569	RON 3.8873	RON 3.8654	RON 3.8977
		M	EUR 1 =	RON 4.4934	RON 4.5598	RON 4.5906	RON 4.5991
Russian Federation							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 66.8335	RUB 59.5436	RUB 58.7306	RUB 58.0169
		M	EUR 1 =	RUB 73.2104	RUB 69.6779	RUB 70.2007	RUB 68.4483

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		
					July 2017	August 2017	September 2017
Rwanda							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 780.776613	RWF 823.790403	RWF 826.523780	RWF 829.411964
		S	USD 1 =	RWF 796.390569	RWF 840.264547	RWF 843.052586	RWF 845.998528
	RWF	B	EUR 1 =	RWF 862.393156	RWF 966.923986	RWF 981.290358	RWF 976.964352
		S	EUR 1 =	RWF 879.639277	RWF 986.260512	RWF 1,000.910000	RWF 996.501666
Saint Helena, Ascension and Tristan da Cunha							
Jamestown 329	Saint Helena pound ² = 100 pence SHP	V	USD 1 =	SHP 0.74034	SHP 0.76251	SHP 0.77778	SHP 0.74689
		V	EUR 1 =	SHP 0.81948	SHP 0.89420	SHP 0.91973	SHP 0.88178
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 3.1525	XCD 3.1788	XCD 3.1737
		V, S	EUR 1 =	XCD 3.0073	XCD 3.1861	XCD 3.2127	XCD 3.2076
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 3.1525	XCD 3.1788	XCD 3.1737
		V, S	EUR 1 =	XCD 3.0073	XCD 3.1861	XCD 3.2127	XCD 3.2076
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 3.1525	XCD 3.1788	XCD 3.1737
		V, S	EUR 1 =	XCD 3.0073	XCD 3.1861	XCD 3.2127	XCD 3.2076
Samoa							
Apia 819	Tala = 100 sene WST	M	WST 1 =	USD 0.38973	USD 0.40590	USD 0.39956	USD 0.39954
		M	WST 1 =	EUR 0.35372	EUR 0.34552	EUR 0.33597	EUR 0.33898
Sao Tome and Principe ¹							
São Tomé 311	Dobra = 100 céntimos	B	USD 1 =	STD 22,258.97	STD 20,888.40	STD 20,560.59	STD 20,801.49
		S	USD 1 =	STD 22,592.85	STD 21,201.72	STD 20,869.00	STD 21,113.52
	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 4.3053	SAR 4.3733	SAR 4.3020
		S	EUR 1 =	SAR 4.2856	SAR 4.5551	SAR 4.6287	SAR 4.5264

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		
					July 2017	August 2017	September 2017
Senegal ¹							
Dakar 248	CFA franc	V	USD 1 =	XOF 592.607	XOF 559.356	XOF 554.721	XOF 555.613
	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 102.2751	RSD 100.0660	RSD 101.0253
		S	USD 1 =	RSD 111.8098	RSD 102.8905	RSD 100.6682	RSD 101.6333
	RSD	B	EUR 1 =	RSD 122.7830	RSD 120.0402	RSD 118.8184	RSD 119.0078
		S	EUR 1 =	RSD 123.5219	RSD 120.7626	RSD 119.5334	RSD 119.7240
Seychelles							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 12.9885	SCR 13.2372	SCR 13.3135	SCR 13.4183
		S	USD 1 =	SCR 13.5165	SCR 13.8513	SCR 13.8688	SCR 13.8732
	SCR	B	EUR 1 =	SCR 14.4673	SCR 15.8616	SCR 16.0306	SCR 16.0032
		S	EUR 1 =	SCR 14.8800	SCR 16.2686	SCR 16.5211	SCR 16.3478
Sierra Leone							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 6,285.30	SLL 7,334.32	SLL 7,412.18	SLL .
		S	USD 1 =	SLL 6,412.28	SLL 7,482.49	SLL 7,561.92	SLL .
	SLL	B	EUR 1 =	SLL 6,925.75 V	SLL 8,542.70	SLL 8,687.03 ⁴	SLL .
		S	EUR 1 =	SLL 7,065.66 V	SLL 8,714.18	SLL 8,851.83 ⁴	SLL .
Singapore ¹							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3835	SGD 1.3579	SGD 1.3584	SGD 1.3584
		M	EUR 1 =	SGD 1.5254	SGD 1.5933	SGD 1.6130	SGD 1.6007
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 208.86	ANG 210.61	ANG 210.27
		S	EUR 100 =	ANG 200.44	ANG 213.07	ANG 214.85	ANG 214.51
Slovakia							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
Slovenia							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1727	USD 1.1825	USD 1.1806
Solomon Islands							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1256	USD 0.1283	USD 0.1281	USD 0.1280
		M	SBD 1 =	EUR 0.1140	EUR 0.1092	EUR 0.1068	EUR 0.1086

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.

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		
					July 2017	August 2017	September 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 13.0025	ZAR 12.8375	ZAR 13.3438
		S	USD 1 =	ZAR 14.8471	ZAR 13.3200	ZAR 13.1550	ZAR 13.6613
	ZAR	B	EUR 1 =	ZAR 15.8664	ZAR 15.2511	ZAR 15.1913	ZAR 15.7185
		S	EUR 1 =	ZAR 16.2975	ZAR 15.6877	ZAR 15.6316	ZAR 16.1584
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 1.1727	USD 1.1825	USD 1.1806
Sri Lanka							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 144.14	LKR 151.67	LKR 150.84	LKR 151.11
		S	USD 1 =	LKR 147.97	LKR 155.47	LKR 154.64	LKR 154.91
	LKR	B	EUR 1 =	LKR 158.29	LKR 177.00	LKR 178.10	LKR 176.96
		S	EUR 1 =	LKR 164.52	LKR 183.63	LKR 184.77	LKR 183.61
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 7.8224	SDG 7.9824	SDG 7.8230
		S	EUR 1 =	SDG 6.8608	SDG 7.8616	SDG 8.0223	SDG 7.8621
Suriname							
Paramaribo 492	Suriname dollar = 100 cent	B	USD 1 =	SRD 6.320	SRD 7.396	SRD 7.376	SRD 7.376
		S	USD 1 =	SRD 6.434	SRD 7.520	SRD 7.500	SRD 7.500
	SRD	B	EUR 1 =	SRD 6.958	SRD 8.665 r	SRD 8.780	SRD 8.678
		S	EUR 1 =	SRD 7.084	SRD 8.800 r	SRD 8.917	SRD 8.814
Swaziland ¹							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 14.6400	SZL 13.0250	SZL 13.0188	SZL 13.5013
		S	USD 1 =	SZL 14.6839	SZL 13.0750	SZL 13.0688	SZL 13.5513
	SZL	B	EUR 1 =	SZL 16.14487	SZL 15.2731	SZL 15.5418	SZL 15.9207
		S	EUR 1 =	SZL 16.19715	SZL 15.3344	SZL 15.6054	SZL 15.9851
Sweden							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.5274	SEK 8.1006	SEK 7.9400	SEK 8.0761
		S	USD 1 =	SEK 8.5949	SEK 8.1681	SEK 8.0075	SEK 8.1436
	SEK	B	EUR 1 =	SEK 9.4489	SEK 9.5243	SEK 9.4674	SEK 9.5503
		S	EUR 1 =	SEK 9.5004	SEK 9.5758	SEK 9.5189	SEK 9.6018

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		
					July 2017	August 2017	September 2017
Switzerland							
Berne 039	Swiss franc = 100 rappen / centimes CHF	B	USD 1 =	CHF 0.9852	CHF 0.9701	CHF 0.9640	CHF 0.9709
		B	EUR 1 =	CHF 1.0902	CHF 1.1377	CHF 1.1461	CHF 1.1453
Syrian Arab Republic							
Damascus 608	Syrian pound = 100 piastres	B	USD 1 =	SYP 467.91	SYP 514.85	SYP 514.85	SYP 514.85 ³
		S	USD 1 =	SYP 470.72	SYP 520.00	SYP 520.00	SYP 520.00 ³
	B	EUR 1 =	SYP 515.56	SYP 600.93	SYP 608.81 V	SYP 615.62 ³	
	S	EUR 1 =	SYP 519.18	SYP 606.94	SYP 614.90 V	SYP 621.78 ³	
Tajikistan							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 7.8496	TJS 8.7991	TJS 8.8081	TJS 8.8001
		M	EUR 1 =	TJS 8.6825	TJS 10.3161	TJS 10.5107	TJS 10.3956
Tanzania, United Republic of							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,166.1774	TZS 2,220.4851	TZS 2,223.7624	TZS 2,226.6337
		S	USD 1 =	TZS 2,187.8392	TZS 2,242.6900	TZS 2,246.0000	TZS 2,248.9000
		B	EUR 1 =	TZS 2,386.6230	TZS 2,606.6275	TZS 2,645.6101	TZS 2,622.9745
		S	EUR 1 =	TZS 2,411.1094	TZS 2,633.1423	TZS 2,672.9646	TZS 2,649.4291
Thailand							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 35.1247	THB 33.1616	THB 33.0460	THB 33.2043
		S	USD 1 =	THB 35.4649	THB 33.4930	THB 33.3777	THB 33.5324
		B	EUR 1 =	THB 38.5268	THB 38.7284	THB 39.1062	THB 38.9463
		S	EUR 1 =	THB 39.2756	THB 39.4682	THB 39.8425	THB 39.6762
Togo ¹							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 559.356	XOF 554.721	XOF 555.613
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
Tonga							
Nuku'alofa 817	Pa'anga = 100 seniti TOP	M	TOP 1 =	USD 0.4499	USD 0.4663	USD 0.4612	USD 0.4604
		M	TOP 1 =	EUR 0.4071	EUR 0.3973	EUR 0.3876	EUR 0.3910
Trinidad and Tobago							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.6274	TTD 6.7138	TTD 6.6861	TTD 6.7251
		S	USD 1 =	TTD 6.6648	TTD 6.7914	TTD 6.7735	TTD 6.7591
		B	EUR 1 =	TTD 7.2338	TTD 7.7990	TTD 7.9855	TTD 7.8366
		S	EUR 1 =	TTD 7.7041	TTD 8.5755	TTD 8.5693	TTD 8.2685

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		
					July 2017	August 2017	September 2017
Tunisia							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.1357	TND 2.3868	TND 2.4295	TND 2.4552
			USD 1 =	TND 2.1380	TND 2.3891	TND 2.4319	TND 2.4577
	TND	B S	EUR 1 =	TND 2.3595	TND 2.8011	TND 2.8783	TND 2.8976
			EUR 1 =	TND 2.3620	TND 2.8039	TND 2.8811	TND 2.9005
Turkey							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 3.0218	TRY 3.5292	TRY 3.4410	TRY 3.5720
			USD 1 =	TRY 3.0272	TRY 3.5356	TRY 3.4472	TRY 3.5784
	TRY	B S	EUR 1 =	TRY 3.3408	TRY 4.1316	TRY 4.1430	TRY 4.2023
			EUR 1 =	TRY 3.3468	TRY 4.1390	TRY 4.1504	TRY 4.2099
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 4.1118	TMT 4.1794	TMT 4.1321
Uganda							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,423.30	UGX 3,605.44	UGX 3,595.38	UGX 3,598.08
			USD 1 =	UGX 3,433.30	UGX 3,615.44	UGX 3,605.38	UGX 3,608.08
	UGX	B S	EUR 1 =	UGX 3,766.57	UGX 4,235.31	UGX 4,282.82	UGX 4,240.34
			EUR 1 =	UGX 3,777.58	UGX 4,247.06	UGX 4,294.73	UGX 4,252.12
Ukraine							
Kyiv 072	Hryvnia = 100 kopiyok	M M	USD 100 =	UAH 2,558.7328	UAH 2,591.5589	UAH 2,557.9541	UAH 2,652.1094
			EUR 100 =	UAH 2,831.1578	UAH 3,039.6394	UAH 3,048.0581	UAH 3,123.6545
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 4.3067	AED 4.3427	AED 4.3358
United Kingdom ¹							
London 006	Pound sterling = 100 pence	M M	GBP 1 =	USD 1.3542	USD 1.3183	USD 1.2886	USD 1.3416
			EUR 1 =	GBP 0.8227	GBP 0.8943	GBP 0.9228	GBP 0.8811
United States							
Washington 400	US dollar = 100 cents	M M	EUR 1 =	USD 1.10344	USD 1.1840	USD 1.1908	USD 1.1812
			GBP 1 =	USD 1.35493	USD 1.3212	USD 1.2929	USD 1.3396

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		
					July 2017	August 2017	September 2017
Uruguay							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 30.084	UYU 28.244	UYU 28.820	UYU 28.951
		M	EUR 1 =	UYU 33.2936	UYU 33.4225	UYU 34.3030	UYU 34.2273
Uzbekistan ¹							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 2,973.82	UZS 4,070.38	UZS 4,210.35	UZS 8,066.96 ¹
		M	EUR 1 =	UZS 3,310.38	UZS 4,697.67	UZS 4,966.88	UZS 9,626.30 ¹
Vanuatu							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 108.99	VUV 104.76	VUV 105.55	VUV 105.90
		S	USD 1 =	VUV 114.61	VUV 110.57	VUV 111.41	VUV 111.77
		B	EUR 1 =	VUV 120.03	VUV 122.59	VUV 125.78	VUV 125.05
		S	EUR 1 =	VUV 124.65	VUV 127.41	VUV 130.72	VUV 129.97
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 2,862.8250	VEF 3,241.8750	VEF 3,336.6375
		S	USD 1 =	VEF 575.6734	VEF 2,870.0000	VEF 3,250.0000	VEF 3,345.0000
B	EUR 1 =	VEF 633.275665	VEF 3,388.4397	VEF 3,858.8038	VEF 3,942.9045		
S	EUR 1 =	VEF 635.097637	VEF 3,397.7930	VEF 3,868.8000	VEF 3,954.1245		
Viet Nam							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 22,332	VND 22,690	VND 22,695	VND 22,690
		S	USD 1 =	VND 22,403	VND 22,760	VND 22,765	VND 22,760
		B	EUR 1 =	VND 24,544.09	VND 26,570.99	VND 26,943.50	VND 26,731.93
		S	EUR 1 =	VND 24,785.72	VND 26,859.65	VND 27,197.12	VND 27,450.55
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 293.41	YER 299.34	YER 293.36
		S	EUR 1 =	YER 266.27	YER 294.00	YER 299.94	YER 293.95
Zambia							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 10.2260	ZMW 8.8724	ZMW 9.1335	ZMW 9.6284
		S	USD 1 =	ZMW 10.2640	ZMW 8.9222	ZMW 9.1810	ZMW 9.6784
		B	EUR 1 =	ZMW 11.2881	ZMW 10.4091	ZMW 10.8141	ZMW 11.3539
		S	EUR 1 =	ZMW 11.3329	ZMW 10.4693	ZMW 10.8713	ZMW 11.4167

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-September 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		
Bali	Indonesian rupiah	Nauru (803)	Australian dollar
Bonaire (475)	US dollar	Newfoundland	Canadian dollar
Bora-Bora	CFP franc	Nicobar Islands	Indian rupee
Borneo (northern part) (701)	Malaysian ringgit	Niue (838)	New Zealand dollar
Borneo (southern part) (700)	Indonesian rupiah	Norfolk Island (836)	Australian dollar
British Virgin Islands (468)	US dollar	Northern Mariana Islands (820)	US dollar
Canary Islands (011)	Euro		
Ceuta (021)	Euro		
Chafarinas (Islands)	Euro		
Christmas Island (834)	Australian dollar	Palau (825)	US dollar
Cocos Islands (833)	Australian dollar	Pescadores	New Taiwan dollar
		Pitcairn Islands Group (813)	New Zealand dollar
		Puerto Rico (400)	US dollar
Désirade (001)	Euro		
		Réunion (001)	Euro
Easter Island	Chilean peso		
Ecuador ¹ (500)	US dollar		
Faroe Islands ¹ (041)	Danish krone	Saba (475)	US dollar
(French) Guiana (001)	Euro	San Marino ¹ (047)	Euro
French Polynesia (822)	CFP franc	Spitzbergen/Spitsbergen (028)	Norwegian krone
		St Barthélemy (001)	Euro
		St Eustatius (475)	US dollar
		St Martin (northern part) (001)	Euro
		St Pierre and Miquelon (408)	Euro
		Sumatra	Indonesian rupiah
		Swan Islands (424)	Honduran lempira
Galapagos Islands (500)	US dollar		
Gozo (Island of)	Euro		
Greenland (406)	Danish krone	Tahiti (822)	CFP franc
Guadeloupe (001)	Euro	Tibet (720)	Chinese yuan renminbi
Guam (831)	US dollar	Timor-Leste ¹ (626)	US dollar
Guernsey ¹ (107)	British pound sterling	Tokelau (839)	New Zealand dollar/Samoan tala
		Turks and Caicos Islands ¹ (454)	US dollar
		Tuvalu ¹ (807)	Australian dollar
Howland Island (832)	US dollar		
Isle of Man ¹ (109)	British pound sterling		
Jarvis Island (832)	US dollar	Vatican City ¹ (045)	Euro
Java	Indonesian rupiah	Virgin Islands of the United States (457)	US dollar
Jersey ¹ (108)	British pound sterling		
Kiribati ¹ (812)	Australian dollar	Wallis and Futuna (Islands) (811)	CFP franc
Kosovo (095)	Euro	Western Sahara	Moroccan dirham
	Serbian dinar		
Laccadive Islands	Indian rupee	Zanzibar (Island) (352)	Tanzania shilling
Les Saintes Islands (001)	Euro	Zimbabwe (382)	US dollar ²
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.

V Value of the special drawing right in selected currencies *

2 Daily rates

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
2017 July	3	1.38878	1.22155	9.42711	156.279	1.07200	.	.	.	.
	5	1.38553	1.22299	9.41815	156.661	1.07334	1.79869	1.34050	9.09529	11.6142
	6	1.38807	1.21921	9.44439	156.921	1.07129	1.79699	1.33990	9.06709	11.6188
	7	1.38883	1.21699	9.44332	158.021	1.07720	1.78978	1.33703	9.05084	11.7237
	10	1.38732	1.21834	9.43752	158.294	1.07745	1.78798	1.34085	9.06035	11.5943
	11	1.38768	1.21673	9.43654	158.445	1.07530	1.79288	1.34508	9.04822	11.5735
	12	1.39057	1.21458	9.44020	157.788	1.08140	1.77909	1.33940	9.03269	11.6813
	13	1.38932	1.21688	9.42054	157.243	1.07503	1.77041	1.34222	9.04961	11.5017
	14	1.39047	1.21811	9.42934	157.819	1.07211	1.76201	1.34806	9.05855	11.4311
	17	1.39417	1.21634	9.44501	.	1.06702	1.76627	1.34230	9.04535	11.3797
	18	1.39838	1.21019	9.45055	156.898	1.07365	1.76587	1.33419	9.00041	11.2627
	19	1.39723	1.21151	9.44055	156.560	1.07059	1.75981	1.33366	9.00990	11.2692
	20	1.39494	1.21457	9.43815	156.010	1.07796	1.75553	1.33621	9.03236	11.2955
	21	1.40183	1.20412	9.48623	156.935	1.07800	1.75916	1.33174	8.95480	11.2362
	24	1.40335	1.20480	9.47544	155.618	1.07677	1.75588	1.32771	8.95897	11.2679
	25	1.40264	1.19945	9.46952	156.114	1.07630	.	1.32998	8.91925	11.1591
	26	1.40205	1.20410	9.47266	156.889	1.07404	1.75326	1.34372	8.95464	11.1853
	27	1.40604	1.20236	9.47068	155.930	1.06944	1.76037	1.34839	8.94102	11.1793
	28	1.40554	1.19835	9.47697	156.071	1.07408	1.74948	1.36309	8.91139	11.1680
	31	1.40775	1.20043	9.46925	155.627	1.07265	1.75757	1.36692	8.92698	11.1701
Aug	1	1.41192	1.19533	9.48659	155.735	1.06863	1.76688	1.36406	8.88960	11.1576
	2	1.41259	1.19417	9.49938	156.444	1.06772	1.77421	1.36880	8.88281	11.1661
	3	1.41242	1.19091	9.49659	156.383	1.07103	1.77654	1.36991	8.85810	11.1669
	4	1.41392	1.19137	9.49758	155.673	1.07596	1.78691	1.36924	8.86234	11.1534
	7	1.40945	1.19476	9.46755	156.097	1.07975	.	1.37041	8.88699	11.2068
	8	1.41089	1.19426	9.46092	156.257	1.08256	1.78789	1.37167	8.88360	11.1335
	9	1.40838	1.20057	9.40690	154.781	1.08316	1.78935	1.35754	8.93128	11.2130
	10	1.40845	1.20052	9.37928	154.929	1.08330	1.79028	1.36014	8.92961	11.2075
	11	1.41017	1.19861	9.40203	.	1.08767	1.78880	1.35616	8.91409	11.2640
	14	1.41075	1.19585	9.40230	154.293	1.08782	1.79235	1.36673	8.89308	11.1786
	15	1.40736	1.19837	9.39655	155.063	1.09301	1.79509	1.36767	8.91242	11.2092
	16	1.40480	1.19966	9.40513	155.456	1.09145	1.78396	1.36856	8.92148	11.1707
	17	1.40556	1.20164	9.37295	154.611	1.09263	1.77761	1.35875	8.93471	11.2044
	18	1.40903	1.20020	9.41292	154.148	1.09300	1.77341	1.35549	8.92507	11.1838
	21	1.40947	1.19842	9.40212	153.998	1.09299	1.77240	1.36366	8.91305	11.1337
	22	1.40870	1.19675	9.37471	153.900	1.09874	1.76820	1.36052	8.90115	11.1325
	23	1.40962	1.19469	9.39099	154.635	1.10057	1.77104	1.36564	8.88526	11.1261
	24	1.41034	1.19460	9.39488	153.981	1.09998	1.76702	1.36028	8.88533	11.0602
	25	1.41127	1.19518	9.40557	154.675	1.09942	1.76296	1.35934	8.89118	11.0289
	28	1.41761	1.18877	9.41407	154.661	1.09892	1.76946	1.35169	8.84361	11.0104
	29	1.42292	1.18105	9.39329	154.814	1.09887	1.78079	1.34410	8.78611	10.9737
	30	1.41824	1.19020	9.33515	155.794	1.09728	1.78769	1.35654	8.85410	11.0503
	31	1.41339	1.19526	9.32227	156.179	1.09769	1.77182	1.36463	8.89079	11.0907
Sep	1	1.41737	1.18907	9.32192	156.053	1.09593	1.75612	1.36039	8.84416	11.0055
	5	1.41798	1.19258	9.28281	155.013	1.09412	1.75418	1.35913	8.87060	11.0657
	6	1.42090	1.19093	9.26853	154.182	1.08906	1.74259	1.35738	8.85975	11.0476
	7	1.42430	1.18979	9.24864	155.362	1.08808	1.73024	1.35536	8.85112	11.0577
	8	1.43068	1.18630	9.22543	155.028	1.08430	1.73570	1.35285	8.82628	11.0437
	11	1.42600	1.18863	9.28772	154.650	1.07908	1.72945	1.35370	8.84306	11.1386
	12	1.42215	1.19178	9.29230	155.583	1.07114	1.72919	1.36455	8.86682	11.1542
	13	1.42395	1.18870	9.29610	156.848	1.07350	1.73537	1.36628	8.84447	11.1717
	14	1.41941	1.19429	9.29575	156.803	1.07182	1.73140	1.37272	8.88541	11.2203
	15	1.42381	1.19017	9.32418	156.875	1.04827	1.73448	1.36771	8.85591	11.1101
	18	1.42314	1.19111	9.33080	.	1.05079	1.74164	1.36465	8.86376	11.1261
	19	1.42328	1.18884	9.37304	158.696	1.05432	1.74737	1.37048	8.84674	11.1062
	20	1.42474	1.18659	9.36496	159.015	1.05279	1.74858	1.36889	8.82971	11.0875
	21	1.41889	1.19185	9.36032	159.668	1.05259	1.75077	1.38087	8.86824	11.0871
	22	1.42271	1.18946	9.37893	159.415	1.04943	1.75235	1.37932	8.85042	11.0849
	25	1.41758	1.19456	9.37603	159.492	1.05170	1.74944	1.38115	8.88778	11.0765
	26	1.41395	1.19958	9.37603	157.726	1.05267	1.74906	1.37393	8.92538	11.1373
	27	1.41076	1.20157	9.36435	158.598	1.05077	1.75104	1.37422	8.94142	11.2173
	28	1.41173	1.19861	9.41903	159.370	1.05196	.	1.37347	8.91790	11.2160
	29	1.41330	1.19710	9.39576	159.222	1.05596	1.76379	1.37005	8.90916	11.2676
Oct	2	1.40929	1.20001	.	158.912	1.05878	1.76232	1.36800	8.93025	11.2525
	3	1.40915	1.19897	.	159.135	1.06278	1.76143	1.37279	8.92315	11.2565
	4	1.41112	1.19718	.	158.892	1.06243	1.76093	1.37203	8.91019	11.1976
	5	1.40891	1.19989	.	158.854	1.06881	1.76789	1.37622	8.93009	11.2190
	6	1.40587	1.20088	.	158.863	1.07614	.	1.37705	8.93783	11.2547

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

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

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 39,070 Iranian rials to the US dollar and 47,020 Iranian rials to the euro at the end of September 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 September 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 22,000 bolívar in the middle of September 2017.