



# Exchange rate statistics December 2017

Statistical Supplement 5  
to the Monthly Report

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

Selected updated statistics are also available on the website.

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## Abbreviations and symbols

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	Data unknown, not to be published or not meaningful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

Discrepancies in the totals are due to rounding.



## I Euro area and exchange rate stability convergence criterion

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

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

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

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

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

Source: ECB. \* One prerequisite before an EU member state can join the euro area is that its currency must have observed the normal fluctuation margins of 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. <sup>1</sup> According to the EU communiqué of 31 December 1998. <sup>2</sup> Until 31 December 2000; accession to the euro area on 1 January

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

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

### 1 Daily rates

EUR 1 = CU ...

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 Sep	1	1.9558	7.4215	26.077	7.4378	305.09	4.2406	4.5963
	4	1.9558	7.4150	26.062	7.4371	306.02	4.2406	4.5962
	5	1.9558	7.4173	26.077	7.4381	306.39	4.2361	4.5965
	6	1.9558	7.4277	26.112	7.4393	306.17	4.2415	4.5986
	7	1.9558	7.4324	26.113	7.4392	305.69	4.2433	4.5980
	8	1.9558	7.4315	26.099	7.4402	306.46	4.2534	4.6008
	11	1.9558	7.4282	26.077	7.4397	306.28	4.2440	4.5987
	12	1.9558	7.4513	26.105	7.4400	307.11	4.2549	4.6018
	13	1.9558	7.4680	26.101	7.4404	308.02	4.2798	4.6013
	14	1.9558	7.4835	26.103	7.4399	308.28	4.2843	4.6017
	15	1.9558	7.4805	26.081	7.4409	308.91	4.2761	4.5999
	18	1.9558	7.4845	26.091	7.4416	309.87	4.2884	4.5993
	19	1.9558	7.4745	26.103	7.4414	308.85	4.2785	4.6004
	20	1.9558	7.4828	26.091	7.4412	308.34	4.2774	4.5993
	21	1.9558	7.4828	26.083	7.4407	310.61	4.2805	4.5988
	22	1.9558	7.4843	26.046	7.4407	309.73	4.2672	4.5967
	25	1.9558	7.4902	26.033	7.4402	310.25	4.2681	4.5988
	26	1.9558	7.4930	26.056	7.4404	310.77	4.2824	4.6013
	27	1.9558	7.4994	26.045	7.4414	311.15	4.3027	4.5986
	28	1.9558	7.4975	26.041	7.4402	311.06	4.3122	4.6003
	29	1.9558	7.4950	25.981	7.4423	310.67	4.3042	4.5993
Oct	2	1.9558	7.4970	25.995	7.4418	311.44	4.3132	4.5878
	3	1.9558	7.4975	25.932	7.4424	312.05	4.3102	4.5910
	4	1.9558	7.5051	25.886	7.4427	311.20	4.2971	4.5808
	5	1.9558	7.5055	25.837	7.4424	311.42	4.3000	4.5750
	6	1.9558	7.5055	25.816	7.4427	311.36	4.3039	4.5766
	9	1.9558	7.5025	25.893	7.4430	312.32	4.3077	4.5754
	10	1.9558	7.5035	25.900	7.4428	310.65	4.2931	4.5753
	11	1.9558	7.5115	25.879	7.4430	309.93	4.2851	4.5865
	12	1.9558	7.5090	25.891	7.4438	309.18	4.2730	4.5919
	13	1.9558	7.5085	25.813	7.4440	308.64	4.2555	4.5865
	16	1.9558	7.5038	25.770	7.4439	307.53	4.2378	4.5838
	17	1.9558	7.5080	25.733	7.4439	307.35	4.2298	4.5800
	18	1.9558	7.5075	25.705	7.4438	308.27	4.2277	4.5880
	19	1.9558	7.5088	25.725	7.4440	308.51	4.2392	4.5958
	20	1.9558	7.5065	25.690	7.4438	308.13	4.2363	4.5971
	23	1.9558	7.5070	25.641	7.4437	308.06	4.2266	4.6000
	24	1.9558	7.5130	25.583	7.4433	308.53	4.2403	4.6013
	25	1.9558	7.5148	25.589	7.4429	310.16	4.2355	4.5975
	26	1.9558	7.5155	25.589	7.4432	310.32	4.2350	4.5983
	27	1.9558	7.5123	25.673	7.4407	311.23	4.2462	4.6010
	30	1.9558	7.5220	25.645	7.4410	311.01	4.2432	4.5990
	31	1.9558	7.5225	25.669	7.4412	311.64	4.2440	4.6005
Nov	1	1.9558	7.5200	25.557	7.4415	311.75	4.2338	4.6033
	2	1.9558	7.5302	25.535	7.4418	310.90	4.2376	4.5992
	3	1.9558	7.5335	25.652	7.4421	310.29	4.2383	4.5978
	6	1.9558	7.5375	25.612	7.4419	311.15	4.2408	4.5895
	7	1.9558	7.5416	25.591	7.4423	310.99	4.2396	4.5945
	8	1.9558	7.5390	25.560	7.4434	311.85	4.2341	4.6280
	9	1.9558	7.5385	25.528	7.4422	312.08	4.2346	4.6400
	10	1.9558	7.5435	25.543	7.4420	312.00	4.2308	4.6533
	13	1.9558	7.5500	25.567	7.4416	312.04	4.2349	4.6562
	14	1.9558	7.5520	25.566	7.4414	311.97	4.2381	4.6493
	15	1.9558	7.5553	25.669	7.4426	312.11	4.2473	4.6351
	16	1.9558	7.5663	25.559	7.4418	312.52	4.2340	4.6390
	17	1.9558	7.5663	25.588	7.4410	311.58	4.2342	4.6470
	20	1.9558	7.5648	25.568	7.4414	312.44	4.2311	4.6514
	21	1.9558	7.5650	25.533	7.4414	312.93	4.2290	4.6568
	22	1.9558	7.5770	25.469	7.4420	313.54	4.2155	4.6525
	23	1.9558	7.5778	25.462	7.4420	313.05	4.2124	4.6522
	24	1.9558	7.5635	25.413	7.4421	311.83	4.2109	4.6434
	27	1.9558	7.5888	25.431	7.4424	311.24	4.2087	4.6418
	28	1.9558	7.5435	25.463	7.4423	310.99	4.2069	4.6413
	29	1.9558	7.5470	25.474	7.4423	311.59	4.2006	4.6440
	30	1.9558	7.5550	25.491	7.4417	312.77	4.1955	4.6475
Dec	1	1.9558	7.5553	25.524	7.4420	313.80	4.2129	4.6305
	4	1.9558	7.5550	25.557	7.4418	313.08	4.2026	4.6215
	5	1.9558	7.5543	25.653	7.4415	313.96	4.2020	4.6337
	6	1.9558	7.5463	25.636	7.4421	314.45	4.2142	4.6320
	7	1.9558	7.5450	25.611	7.4415	314.84	4.2129	4.6354
	8	1.9558	7.5493	25.555	7.4417	314.50	4.2020	4.6336

\* 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	
9.4778	0.92075	1.5021	3.7423	1.4830	7.8185	9.3272	76.3275	2017 Sep 1	
9.4733	0.91855	1.4960	3.7379	1.4774	7.7728	9.3150	76.2395	4	
9.4690	0.91740	1.4902	3.7070	1.4732	7.7865	9.3043	76.2475	5	
9.5010	0.91428	1.4961	3.7145	1.4787	7.7850	9.3362	76.4925	6	
9.5263	0.91403	1.4926	3.7098	1.4587	7.7698	9.3553	76.6325	7	
9.5388	0.91268	1.4881	3.7256	1.4577	7.7926	9.4160	76.9245	8	
9.5705	0.90775	1.4915	3.7057	1.4541	7.8329	9.3731	76.6740	11	
9.5355	0.89878	1.4847	3.7117	1.4477	7.8024	9.3235	76.4385	12	
9.5475	0.90243	1.4909	3.7521	1.4542	7.8249	9.3586	76.6655	13	
9.5345	0.89123	1.4877	3.7295	1.4501	7.7918	9.2843	76.2095	14	
9.5058	0.88043	1.4911	3.7357	1.4520	7.8299	9.3506	76.6625	15	
9.5145	0.88253	1.4947	3.7204	1.4581	7.8520	9.3390	76.6315	18	
9.5261	0.88622	1.4969	3.7429	1.4714	7.8832	9.3432	77.0174	19	
9.5335	0.88680	1.4891	3.7579	1.4701	7.8948	9.3668	77.1965	20	
9.5135	0.88240	1.5002	3.7353	1.4712	7.8480	9.2910	77.1495	21	
9.5358	0.88155	1.5011	3.7459	1.4675	7.8805	9.3414	77.5010	22	
9.5325	0.87938	1.4917	3.7128	1.4630	7.8599	9.2738	77.2635	25	
9.5473	0.87775	1.4944	3.7299	1.4605	7.8189	9.2083	77.1935	26	
9.5885	0.87565	1.4954	3.7357	1.4554	7.7984	9.1714	77.1530	27	
9.5800	0.87635	1.5054	3.7484	1.4684	7.8436	9.1977	77.1150	28	
9.6490	0.88178	1.5075	3.7635	1.4687	7.8534	9.2214	77.0690	29	
9.6055	0.88418	1.5036	3.7274	1.4693	7.8138	9.1739	76.6965	Oct 2	
9.5675	0.88793	1.5039	3.7093	1.4692	7.8073	9.1809	76.9870	3	
9.5425	0.88768	1.4986	3.6929	1.4678	7.8163	9.2007	76.6410	4	
9.5195	0.89153	1.5015	3.6772	1.4655	7.8108	9.1701	76.4965	5	
9.5418	0.89535	1.5060	3.7000	1.4721	7.7891	9.1387	76.5440	6	
9.5348	0.89195	1.5142	3.7168	1.4731	7.7788	9.1685	76.7625	9	
9.5265	0.89410	1.5155	3.7378	1.4745	7.7609	9.2067	76.9720	10	
9.5313	0.89710	1.5186	3.7515	1.4798	7.7989	9.2344	77.0660	11	
9.5883	0.90235	1.5175	3.7654	1.4785	7.8111	9.2573	77.0996	12	
9.6050	0.88980	1.5080	3.7517	1.4761	7.7831	9.2210	76.7125	13	
9.5885	0.88753	1.4996	3.7304	1.4800	7.7782	9.2170	76.4155	16	
9.5813	0.89148	1.4994	3.7358	1.4741	7.7846	9.1811	76.4695	17	
9.5945	0.89283	1.5009	3.7199	1.4720	7.7867	9.1737	76.4305	18	
9.6445	0.89815	1.5033	3.7661	1.4743	7.8310	9.2334	76.9540	19	
9.6445	0.89623	1.5055	3.7519	1.4765	7.8217	9.2216	76.8288	20	
9.6440	0.89090	1.5018	3.7493	1.4835	7.7957	9.1607	76.3365	23	
9.6475	0.89303	1.5117	3.8022	1.4875	7.8022	9.1803	76.5790	24	
9.6858	0.88883	1.5282	3.8134	1.4963	7.8317	9.1971	76.5140	25	
9.7218	0.89010	1.5248	3.8030	1.5041	7.8003	9.1701	76.2300	26	
9.7390	0.88633	1.5196	3.8292	1.4961	7.7225	9.0561	75.5020	27	
9.7090	0.87980	1.5148	3.7790	1.4918	7.7165	9.0581	75.3560	30	
9.7415	0.87853	1.5210	3.8059	1.5004	7.7177	9.0769	75.3560	31	
9.7535	0.87385	1.5136	3.8150	1.4986	7.6767	9.0593	75.0130	Nov 1	
9.7615	0.88690	1.5117	3.8047	1.4960	7.7011	9.0851	75.2290	2	
9.7912	0.88923	1.5184	3.8012	1.4830	7.7200	9.0953	75.2140	3	
9.7683	0.88390	1.5120	3.8174	1.4787	7.6889	9.0436	74.9555	6	
9.7443	0.88038	1.5112	3.7822	1.4761	7.6750	9.0221	75.1470	7	
9.7288	0.88405	1.5094	3.7662	1.4753	7.6838	9.0363	75.3205	8	
9.7355	0.88633	1.5144	3.7762	1.4779	7.7193	9.0701	75.5600	9	
9.7430	0.88370	1.5197	3.8084	1.4766	7.7412	9.0930	75.9400	10	
9.7705	0.89018	1.5256	3.8362	1.4809	7.7410	9.0906	76.2910	13	
9.8905	0.89585	1.5361	3.8488	1.4933	7.7950	9.1645	76.8150	14	
9.9728	0.89910	1.5582	3.8490	1.5103	7.8404	9.2435	77.2150	15	
9.8868	0.89183	1.5507	3.8579	1.5025	7.8065	9.1919	76.8910	16	
9.9443	0.89385	1.5632	3.8658	1.5053	7.8239	9.2144	76.6820	17	
9.9585	0.88940	1.5592	3.8388	1.5066	7.8155	9.2036	76.6975	20	
9.9473	0.88498	1.5466	3.8207	1.5006	7.7725	9.1545	76.0705	21	
9.8818	0.88810	1.5503	3.8288	1.4969	7.7755	9.1775	76.2510	22	
9.8440	0.89005	1.5532	3.8403	1.5024	7.7881	9.2528	76.5120	23	
9.8638	0.89120	1.5585	3.8379	1.5093	7.8447	9.2744	76.8205	24	
9.9260	0.89375	1.5656	3.8564	1.5156	7.8905	9.3249	77.0930	27	
9.9060	0.89538	1.5619	3.8287	1.5208	7.8431	9.2745	76.5795	28	
9.9150	0.88293	1.5627	3.7936	1.5176	7.8106	9.2330	76.0620	29	
9.9208	0.87985	1.5659	3.8668	1.5267	7.8377	9.2524	76.3875	30	
9.9487	0.88115	1.5693	3.8824	1.5301	7.8551	9.2853	76.6550	Dec 1	
9.9635	0.87725	1.5585	3.8558	1.5034	7.8532	9.2721	76.4090	4	
9.9680	0.88183	1.5512	3.8192	1.4966	7.8356	9.2563	76.3015	5	
9.9265	0.88335	1.5565	3.8193	1.4963	7.8169	9.2323	76.2430	6	
9.9558	0.88068	1.5682	3.8824	1.5131	7.8013	9.2040	76.1110	7	
9.9770	0.87525	1.5620	3.8435	1.5072	7.7729	9.1661	75.6775	8	

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

### 1 Daily rates (cont'd)

EUR 1 = CU ...

		Other European and non-European countries (cont'd)								
		Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway	
		Indonesian rupiah IDR	New Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	
2017 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	1.6502	9.2725	
	26	15,785.15	4.1579	131.99	1,341.55	4.9662	21.1825	1.6369	9.2843	
	27	15,779.90	4.1659	132.60	1,341.10	4.9565	21.2435	1.6305	9.3355	
	28	15,892.06	4.1477	132.56	1,350.15	4.9839	21.3956	1.6363	9.3575	
	29	15,888.51	4.1591	132.82	1,351.83	4.9827	21.4614	1.6354	9.4125	
	Oct	2	15,933.08	4.1621	132.50	1,345.92	4.9718	21.5128	1.6336	9.3770
		3	15,916.50	4.1519	132.77	1,344.94	4.9766	21.4688	1.6374	9.3885
		4	15,857.61	4.1378	132.47	1,342.67	4.9830	21.3870	1.6403	9.3533
		5	15,803.15	4.1229	132.05	1,337.65	4.9651	21.4107	1.6413	9.3500
		6	15,819.67	4.1176	132.23	1,337.12	4.9608	21.6550	1.6512	9.3720
		9	15,897.04	4.1206	132.36	1,343.11	4.9709	21.8840	1.6588	9.3788
		10	15,912.97	4.1268	132.55	1,336.25	4.9783	21.9090	1.6688	9.3745
		11	15,997.95	4.1364	132.72	1,339.10	4.9911	22.2167	1.6723	9.3790
12		16,016.27	4.1387	133.12	1,341.86	5.0036	22.2105	1.6675	9.3601	
13		15,938.78	4.1328	132.49	1,333.88	4.9832	22.3881	1.6541	9.3390	
16		15,913.39	4.1272	131.99	1,330.09	4.9773	22.4931	1.6420	9.3133	
17		15,880.12	4.1274	131.94	1,328.14	4.9664	22.4334	1.6375	9.3260	
18		15,879.95	4.1283	132.62	1,329.28	4.9622	22.1311	1.6488	9.3575	
19		15,993.65	4.1362	133.18	1,339.16	4.9981	22.2721	1.6861	9.4190	
20	15,966.12	4.1217	133.75	1,336.07	4.9931	22.3278	1.6885	9.4145		
23	15,888.92	4.1000	133.59	1,326.40	4.9718	22.2922	1.6838	9.3883		
24	15,937.33	4.1184	133.95	1,327.81	4.9849	22.4841	1.7008	9.3883		
25	15,994.60	4.1328	134.41	1,325.38	4.9915	22.6028	1.7123	9.4383		
26	15,981.73	4.1343	133.75	1,320.41	4.9762	22.3684	1.7118	9.4865		
27	15,818.76	4.1116	132.52	1,309.39	4.9228	22.3514	1.6975	9.5348		
30	15,762.75	4.0974	131.83	1,306.01	4.9206	22.1764	1.6944	9.4840		
31	15,786.95	4.0992	132.00	1,301.50	4.9252	22.2962	1.7005	9.5238		
Nov	1	15,773.74	4.0845	132.60	1,291.51	4.9136	22.2765	1.6866	9.4610	
	2	15,753.36	4.0845	132.90	1,294.94	4.9264	22.2318	1.6867	9.4838	
	3	15,729.04	4.0839	132.82	1,298.74	4.9332	22.1420	1.6797	9.4843	
	6	15,665.04	4.0721	132.29	1,288.85	4.9090	22.1399	1.6797	9.4380	
	7	15,640.75	4.0634	132.03	1,285.17	4.8828	22.0712	1.6717	9.4543	
	8	15,667.36	4.0704	131.54	1,290.33	4.8960	22.1015	1.6724	9.4730	
	9	15,729.57	4.0877	131.75	1,299.91	4.8790	22.2416	1.6715	9.4535	
	10	15,785.34	4.1230	132.08	1,304.46	4.8848	22.2242	1.6780	9.4560	
	13	15,810.86	4.1297	132.07	1,305.01	4.8856	22.3482	1.6877	9.4913	
	14	15,918.59	4.1610	133.29	1,309.46	4.9259	22.4266	1.7092	9.5923	
	15	16,025.44	4.1847	133.45	1,306.21	4.9374	22.6887	1.7145	9.7510	
	16	15,919.10	4.1443	133.12	1,291.59	4.9148	22.5323	1.7204	9.6553	
	17	15,955.69	4.1463	132.82	1,293.09	4.9079	22.4603	1.7372	9.7163	
	20	15,932.62	4.1397	132.10	1,291.10	4.8869	22.3489	1.7243	9.7298	
	21	15,850.94	4.1350	131.87	1,276.68	4.8421	22.2026	1.7181	9.6890	
	22	15,879.95	4.1392	131.61	1,280.17	4.8292	22.0985	1.7183	9.6723	
23	15,973.47	4.1606	131.79	1,284.55	4.8674	22.0927	1.7198	9.6393		
24	16,056.52	4.1753	132.24	1,287.36	4.8921	22.1096	1.7256	9.6608		
27	16,137.59	4.1852	132.69	1,299.46	4.9093	22.1272	1.7305	9.7533		
28	16,053.39	4.1633	132.24	1,284.43	4.8786	22.0370	1.7157	9.7450		
29	15,971.18	4.1447	132.24	1,274.87	4.8361	21.9085	1.7141	9.7410		
30	16,035.25	4.1449	133.08	1,287.26	4.8466	22.0035	1.7319	9.8398		
Dec	1	16,082.95	4.1497	133.70	1,287.47	4.8620	22.1942	1.7349	9.8753	
	4	16,036.73	4.1434	133.91	1,287.92	4.8210	22.1016	1.7281	9.8668	
	5	16,008.85	4.1392	133.37	1,286.86	4.8057	22.0800	1.7193	9.8228	
	6	16,007.31	4.1519	132.52	1,291.50	4.8160	22.2030	1.7141	9.7575	
	7	15,967.83	4.1478	132.88	1,287.95	4.8184	22.3177	1.7252	9.7503	
	8	15,910.41	4.1343	133.26	1,285.33	4.8001	22.2205	1.7157	9.7665	

\* 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	
60.900	68.8223	1.6146	15.4185	1.1441	39.539	4.0981	1.1920	2017 Sep 1
60.953	68.8889	1.6150	15.4097	1.1399	39.465	4.0826	1.1905	4
60.804	68.9138	1.6115	15.3896	1.1407	39.451	4.0954	1.1890	5
60.908	68.4889	1.6133	15.3965	1.1399	39.563	4.1045	1.1931	6
60.774	68.2670	1.6091	15.3363	1.1412	39.582	4.0893	1.1971	7
61.276	68.9650	1.6124	15.5124	1.1405	39.919	4.1191	1.2060	8
60.990	68.6188	1.6129	15.5137	1.1404	39.746	4.0779	1.1997	11
60.765	68.3844	1.6074	15.4800	1.1444	39.522	4.0948	1.1933	12
61.057	69.0768	1.6118	15.7095	1.1496	39.639	4.1232	1.1979	13
60.990	68.6480	1.6053	15.6609	1.1496	39.363	4.1134	1.1885	14
61.305	68.8226	1.6070	15.7613	1.1480	39.574	4.1140	1.1963	15
61.118	68.9576	1.6083	15.7893	1.1464	39.536	4.1340	1.1948	18
61.038	69.5066	1.6151	15.9446	1.1535	39.603	4.1764	1.1972	19
61.117	69.4380	1.6128	15.9058	1.1532	39.707	4.1642	1.2007	20
60.739	69.0220	1.6100	15.8889	1.1585	39.441	4.1776	1.1905	21
60.532	68.8885	1.6093	15.8359	1.1588	39.579	4.1804	1.1961	22
60.154	68.0714	1.6031	15.7539	1.1562	39.292	4.1803	1.1867	25
60.018	67.9870	1.5968	15.7329	1.1452	39.139	4.1739	1.1787	26
59.890	68.2670	1.5964	15.9062	1.1451	39.109	4.1902	1.1741	27
59.998	68.3855	1.6010	15.9189	1.1460	39.327	4.1994	1.1778	28
60.050	68.2519	1.6031	15.9440	1.1457	39.338	4.2013	1.1806	29
60.028	68.0395	1.6003	16.0141	1.1399	39.272	4.2067	1.1744	Oct 2
60.117	68.1636	1.6016	16.1203	1.1449	39.279	4.2117	1.1753	3
60.071	67.8176	1.6023	15.9832	1.1456	39.274	4.2016	1.1787	4
59.949	67.5273	1.5998	16.0020	1.1472	39.160	4.1905	1.1742	5
59.977	67.7275	1.5997	16.0695	1.1473	39.172	4.2345	1.1707	6
60.189	68.5379	1.6013	16.1990	1.1497	39.214	4.3636	1.1746	9
60.728	68.2832	1.6001	16.1484	1.1522	39.237	4.3385	1.1797	10
60.863	68.4492	1.6044	16.0525	1.1524	39.258	4.3337	1.1830	11
61.101	68.4040	1.6055	16.0091	1.1550	39.256	4.3428	1.1856	12
60.731	68.1201	1.6013	15.8047	1.1533	39.115	4.3225	1.1810	13
60.499	67.4780	1.5956	15.7169	1.1514	39.021	4.2975	1.1803	16
60.368	67.4711	1.5952	15.7977	1.1504	38.946	4.3051	1.1759	17
60.479	67.4559	1.5962	15.8999	1.1551	38.960	4.3225	1.1749	18
60.863	68.1785	1.6056	16.0282	1.1541	39.200	4.3324	1.1834	19
60.865	67.8679	1.6054	16.1719	1.1597	39.188	4.3289	1.1818	20
60.458	67.4375	1.5996	16.0711	1.1581	38.965	4.3386	1.1740	23
60.801	67.6090	1.6023	16.1396	1.1613	39.035	4.3751	1.1761	24
61.039	67.8640	1.6047	16.2970	1.1690	39.103	4.3970	1.1785	25
60.939	67.7597	1.6010	16.7390	1.1678	38.973	4.4338	1.1753	26
60.174	67.8368	1.5899	16.4855	1.1632	38.645	4.4361	1.1605	27
60.079	67.1203	1.5836	16.3361	1.1603	38.598	4.3851	1.1612	30
60.045	67.8738	1.5860	16.4342	1.1622	38.650	4.4164	1.1638	31
60.007	67.5100	1.5808	16.3914	1.1640	38.505	4.4394	1.1612	Nov 1
59.936	68.0327	1.5843	16.2879	1.1647	38.568	4.4519	1.1645	2
59.624	68.2952	1.5854	16.4676	1.1635	38.608	4.4927	1.1657	3
59.220	68.3327	1.5816	16.4598	1.1593	38.438	4.4815	1.1590	6
59.426	68.0443	1.5772	16.3857	1.1557	38.305	4.4673	1.1562	7
59.388	68.7166	1.5786	16.4417	1.1581	38.374	4.5050	1.1590	8
59.597	69.0726	1.5819	16.5306	1.1589	38.495	4.4962	1.1630	9
59.713	69.0375	1.5854	16.7585	1.1591	38.610	4.5097	1.1654	10
59.724	69.3309	1.5867	16.9688	1.1591	38.535	4.5318	1.1656	13
60.070	70.1633	1.5978	16.8932	1.1643	38.829	4.5477	1.1745	14
60.177	71.2570	1.6053	17.0212	1.1675	39.096	4.5979	1.1840	15
59.786	70.4460	1.5971	16.8050	1.1686	38.797	4.5465	1.1771	16
59.952	70.0461	1.5998	16.5285	1.1696	38.723	4.5846	1.1795	17
59.761	70.1470	1.5972	16.5582	1.1676	38.606	4.6211	1.1781	20
59.335	69.5585	1.5878	16.4989	1.1641	38.406	4.6304	1.1718	21
59.499	68.9476	1.5885	16.3090	1.1609	38.466	4.6557	1.1749	22
59.869	69.2337	1.5947	16.4406	1.1613	38.713	4.6420	1.1848	23
60.145	69.4559	1.5987	16.6203	1.1650	38.802	4.6826	1.1877	24
60.056	69.4793	1.6063	16.4083	1.1718	38.987	4.6756	1.1952	27
59.813	69.2929	1.5983	16.3342	1.1680	38.719	4.6684	1.1888	28
59.393	69.0103	1.5925	16.1757	1.1664	38.485	4.6794	1.1827	29
59.629	69.1940	1.5986	16.1263	1.1699	38.643	4.6638	1.1849	30
59.873	69.6973	1.6014	16.2907	1.1691	38.781	4.6718	1.1885	Dec 1
60.103	69.7763	1.5992	16.1720	1.1665	38.692	4.6262	1.1865	4
59.978	69.5478	1.5953	16.0077	1.1673	38.626	4.5823	1.1847	5
59.891	69.7909	1.5925	15.9847	1.1678	38.559	4.5489	1.1817	6
59.646	69.7763	1.5916	16.0897	1.1700	38.458	4.5553	1.1786	7
59.336	69.6511	1.5889	16.0391	1.1704	38.361	4.5165	1.1742	8

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

### 2 Monthly averages +

EUR 1 = CU ...

Period	EU member countries									Other European
	Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden	United Kingdom	Australia
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD
2012 Nov	1.9558	7.5410	25.365	7.4587	282.26	4.1321	4.5273	8.6076	0.80389	1.2331
Dec	1.9558	7.5334	25.214	7.4604	285.79	4.0956	4.4899	8.6512	0.81237	1.2527
2013 Jan	1.9558	7.5746	25.563	7.4614	294.01	4.1424	4.3835	8.6217	0.83271	1.2658
Feb	1.9558	7.5868	25.475	7.4598	292.73	4.1700	4.3839	8.5083	0.86250	1.2951
Mar	1.9558	7.5909	25.659	7.4553	303.01	4.1565	4.3923	8.3470	0.85996	1.2537
Apr	1.9558	7.6076	25.841	7.4553	298.67	4.1359	4.3780	8.4449	0.85076	1.2539
May	1.9558	7.5684	25.888	7.4536	292.38	4.1799	4.3360	8.5725	0.84914	1.3133
June	1.9558	7.4901	25.759	7.4576	295.70	4.2839	4.4803	8.6836	0.85191	1.3978
July	1.9558	7.5061	25.944	7.4579	294.90	4.2745	4.4244	8.6609	0.86192	1.4279
Aug	1.9558	7.5372	25.818	7.4580	299.46	4.2299	4.4371	8.7034	0.85904	1.4742
Sep	1.9558	7.5985	25.789	7.4579	299.75	4.2371	4.4633	8.6758	0.84171	1.4379
Oct	1.9558	7.6193	25.662	7.4592	294.76	4.1902	4.4444	8.7479	0.84720	1.4328
Nov	1.9558	7.6326	26.927	7.4587	297.68	4.1887	4.4452	8.8802	0.83780	1.4473
Dec	1.9558	7.6365	27.521	7.4602	300.24	4.1760	4.4635	8.9597	0.83639	1.5243
2014 Jan	1.9558	7.6353	27.485	7.4614	302.48	4.1799	4.5205	8.8339	0.82674	1.5377
Feb	1.9558	7.6574	27.444	7.4622	310.20	4.1741	4.4918	8.8721	0.82510	1.5222
Mar	1.9558	7.6576	27.395	7.4638	311.49	4.1987	4.4933	8.8666	0.83170	1.5217
Apr	1.9558	7.6267	27.450	7.4656	307.37	4.1853	4.4620	9.0329	0.82520	1.4831
May	1.9558	7.5952	27.437	7.4641	304.58	4.1800	4.4237	9.0298	0.81535	1.4755
June	1.9558	7.5770	27.450	7.4588	305.87	4.1352	4.3930	9.0914	0.80409	1.4517
July	1.9558	7.6146	27.458	7.4564	309.81	4.1444	4.4098	9.2327	0.79310	1.4420
Aug	1.9558	7.6326	27.816	7.4551	313.91	4.1919	4.4252	9.1878	0.79730	1.4306
Sep	1.9558	7.6236	27.599	7.4449	313.20	4.1899	4.4095	9.1929	0.79113	1.4246
Oct	1.9558	7.6573	27.588	7.4448	307.85	4.2066	4.4153	9.1797	0.78861	1.4436
Nov	1.9558	7.6700	27.667	7.4415	306.89	4.2121	4.4288	9.2384	0.79054	1.4432
Dec	1.9558	7.6682	27.640	7.4402	310.83	4.2155	4.4583	9.4043	0.78830	1.4928
2015 Jan	1.9558	7.6883	27.895	7.4406	316.50	4.2783	4.4874	9.4167	0.76680	1.4390
Feb	1.9558	7.7114	27.608	7.4501	306.88	4.1760	4.4334	9.4901	0.74051	1.4568
Mar	1.9558	7.6467	27.379	7.4593	303.45	4.1259	4.4339	9.2449	0.72358	1.4008
Apr	1.9558	7.5896	27.439	7.4655	299.43	4.0180	4.4155	9.3254	0.72116	1.3939
May	1.9558	7.5591	27.397	7.4612	306.33	4.0811	4.4477	9.3037	0.72124	1.4123
June	1.9558	7.5719	27.307	7.4603	311.96	4.1586	4.4671	9.2722	0.72078	1.4530
July	1.9558	7.5863	27.094	7.4616	311.53	4.1524	4.4391	9.3860	0.70685	1.4844
Aug	1.9558	7.5578	27.041	7.4627	311.61	4.1953	4.4235	9.5155	0.71423	1.5269
Sep	1.9558	7.5890	27.089	7.4610	313.14	4.2176	4.4236	9.3924	0.73129	1.5900
Oct	1.9558	7.6208	27.105	7.4601	311.27	4.2508	4.4227	9.3485	0.73287	1.5586
Nov	1.9558	7.6074	27.039	7.4602	312.27	4.2494	4.4453	9.3133	0.70658	1.5011
Dec	1.9558	7.6397	27.027	7.4612	314.40	4.2900	4.5033	9.2451	0.72595	1.5009
2016 Jan	1.9558	7.6582	27.027	7.4619	314.68	4.4074	4.5311	9.2826	0.75459	1.5510
Feb	1.9558	7.6355	27.040	7.4628	310.37	4.3970	4.4814	9.4105	0.77559	1.5556
Mar	1.9558	7.5593	27.051	7.4569	311.15	4.2932	4.4666	9.2848	0.78020	1.4823
Apr	1.9558	7.4947	27.031	7.4427	311.46	4.3106	4.4724	9.2027	0.79230	1.4802
May	1.9558	7.4979	27.026	7.4386	314.58	4.4039	4.4991	9.2948	0.77779	1.5461
June	1.9558	7.5204	27.061	7.4371	313.98	4.3996	4.5230	9.3338	0.79049	1.5173
July	1.9558	7.4930	27.042	7.4390	314.35	4.3964	4.4856	9.4742	0.84106	1.4694
Aug	1.9558	7.4866	27.025	7.4408	310.21	4.3005	4.4591	9.4913	0.85521	1.4690
Sep	1.9558	7.5005	27.022	7.4475	308.68	4.3207	4.4502	9.5655	0.85228	1.4768
Oct	1.9558	7.5068	27.022	7.4402	307.00	4.3076	4.4942	9.7073	0.89390	1.4470
Nov	1.9558	7.5211	27.033	7.4406	308.82	4.3911	4.5100	9.8508	0.86894	1.4331
Dec	1.9558	7.5404	27.031	7.4362	312.24	4.4357	4.5164	9.7095	0.84441	1.4356
2017 Jan	1.9558	7.5300	27.021	7.4355	308.99	4.3671	4.5018	9.5110	0.86100	1.4252
Feb	1.9558	7.4476	27.021	7.4348	308.50	4.3081	4.5136	9.4762	0.85273	1.3886
Mar	1.9558	7.4231	27.021	7.4356	309.71	4.2871	4.5476	9.5279	0.86560	1.4018
Apr	1.9558	7.4503	26.823	7.4376	311.57	4.2374	4.5291	9.5941	0.84824	1.4241
May	1.9558	7.4317	26.572	7.4400	309.77	4.1998	4.5539	9.7097	0.85554	1.4878
June	1.9558	7.4104	26.264	7.4376	308.28	4.2113	4.5721	9.7538	0.87724	1.4861
July	1.9558	7.4116	26.079	7.4366	306.71	4.2362	4.5689	9.5892	0.88617	1.4772
Aug	1.9558	7.4054	26.101	7.4379	304.37	4.2666	4.5789	9.5485	0.91121	1.4919
Sep	1.9558	7.4639	26.075	7.4401	308.37	4.2693	4.5992	9.5334	0.89470	1.4946
Oct	1.9558	7.5085	25.766	7.4429	309.95	4.2627	4.5895	9.6138	0.89071	1.5099
Nov	1.9558	7.5512	25.538	7.4420	311.89	4.2268	4.6347	9.8479	0.88795	1.5395

\* 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		
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	Period	
2.6512	1.2787	7.9998	9.9423	70.3250	12,343.83	4.9970	103.94	1,395.13	3.9230	2012 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	
3.7503	1.4801	7.7890	9.1763	76.4977	15,904.42	4.1265	132.76	1,331.01	4.9716	Oct	
3.8246	1.4978	7.7723	9.1617	76.1248	15,875.67	4.1283	132.39	1,292.05	4.8902	Nov	

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

### 2 Monthly averages + (cont'd)

EUR 1 = CU ...

Period	Other European and non-European countries (cont'd)										
	Mexico Mexican peso MXN	New Zealand New Zealand dollar NZD	Norway Norwegian krone NOK	Philippines Philippine peso PHP	Russian Federation Russian rouble RUB	Singapore Singapore dollar SGD	South Africa South African rand ZAR	Switzerland Swiss franc CHF	Thailand Thai baht THB	Turkey Turkish lira TRY	United States US dollar USD
2012 Nov	16.7689	1.5660	7.3371	52.716	40.2505	1.5695	11.2986	1.2052	39.391	2.3010	1.2828
2012 Dec	16.8664	1.5777	7.3503	53.796	40.3114	1.6009	11.3179	1.2091	40.187	2.3439	1.3119
2013 Jan	16.8760	1.5877	7.3821	54.105	40.1847	1.6326	11.6957	1.2288	39.924	2.3543	1.3288
2013 Feb	16.9872	1.5929	7.4232	54.355	40.3342	1.6546	11.8796	1.2298	39.839	2.3738	1.3359
2013 Mar	16.2322	1.5657	7.4863	52.813	39.9332	1.6164	11.9169	1.2266	38.264	2.3453	1.2964
2013 Apr	15.8895	1.5348	7.5444	53.649	40.7995	1.6120	11.8592	1.2199	37.857	2.3406	1.3026
2013 May	15.9776	1.5774	7.5589	53.693	40.6842	1.6219	12.1798	1.2418	38.667	2.3739	1.2982
2013 June	17.0716	1.6682	7.7394	56.658	42.6490	1.6613	13.2088	1.2322	40.664	2.5028	1.3189
2013 July	16.6893	1.6590	7.8837	56.698	42.8590	1.6595	12.9674	1.2366	40.714	2.5274	1.3080
2013 Aug	17.1996	1.6829	7.9386	58.471	43.9748	1.6941	13.4190	1.2338	42.072	2.6125	1.3310
2013 Sep	17.4471	1.6406	7.9725	58.346	43.5144	1.6860	13.3287	1.2338	42.312	2.6952	1.3348
2013 Oct	17.7413	1.6351	8.1208	58.809	43.7440	1.6956	13.5283	1.2316	42.549	2.7095	1.3635
2013 Nov	17.6340	1.6327	8.2055	58.811	44.1581	1.6833	13.7626	1.2316	42.695	2.7316	1.3493
2013 Dec	17.8278	1.6659	8.4053	60.552	45.0628	1.7244	14.2234	1.2245	44.323	2.8276	1.3704
2014 Jan	17.9964	1.6450	8.3927	61.263	46.0304	1.7327	14.8242	1.2317	44.822	3.0297	1.3610
2014 Feb	18.1561	1.6466	8.3562	61.238	48.2554	1.7295	14.9820	1.2212	44.568	3.0184	1.3659
2014 Mar	18.2447	1.6199	8.2906	61.901	49.9477	1.7513	14.8613	1.2177	44.765	3.0629	1.3823
2014 Apr	18.0485	1.6049	8.2506	61.646	49.2978	1.7345	14.5815	1.2189	44.657	2.9393	1.3813
2014 May	17.7620	1.5957	8.1513	60.258	47.8403	1.7189	14.2995	1.2204	44.686	2.8736	1.3732
2014 June	17.6516	1.5769	8.2149	59.543	46.7509	1.7008	14.5094	1.2181	44.195	2.8808	1.3592
2014 July	17.5834	1.5578	8.3880	58.844	46.9984	1.6825	14.4366	1.2150	43.470	2.8699	1.3539
2014 Aug	17.5051	1.5783	8.2522	58.320	48.1781	1.6622	14.2052	1.2118	42.644	2.8784	1.3316
2014 Sep	17.0717	1.5841	8.1798	57.033	49.0519	1.6295	14.1578	1.2076	41.536	2.8543	1.2901
2014 Oct	17.0713	1.6090	8.3136	56.807	51.9380	1.6154	14.0266	1.2078	41.139	2.8577	1.2673
2014 Nov	16.9850	1.5928	8.4912	56.101	57.5193	1.6173	13.8359	1.2027	40.908	2.7885	1.2472
2014 Dec	17.8692	1.5874	8.9802	55.092	70.3269	1.6213	14.1582	1.2026	40.564	2.8304	1.2331
2015 Jan	17.0782	1.5213	8.9320	51.791	75.0459	1.5545	13.4598	1.0940	38.056	2.7153	1.1621
2015 Feb	16.9310	1.5236	8.6188	50.174	73.0742	1.5382	13.1532	1.0618	36.963	2.7958	1.1350
2015 Mar	16.4941	1.4506	8.6434	48.227	65.1401	1.4913	13.0756	1.0608	35.355	2.8077	1.0838
2015 Apr	16.4288	1.4217	8.5057	47.863	56.7415	1.4539	12.9588	1.0379	35.072	2.8743	1.0779
2015 May	17.0378	1.5112	8.4103	49.741	56.3735	1.4882	13.3506	1.0391	37.408	2.9491	1.1150
2015 June	17.3467	1.6046	8.7550	50.508	61.2390	1.5091	13.7965	1.0455	37.818	3.0299	1.1213
2015 July	17.5297	1.6542	8.9357	49.814	63.2077	1.4972	13.6973	1.0492	37.760	2.9705	1.0996
2015 Aug	18.4333	1.7001	9.1815	51.536	73.3597	1.5573	14.3821	1.0777	39.465	3.1826	1.1139
2015 Sep	18.8821	1.7714	9.3075	52.456	74.8040	1.5879	15.3065	1.0913	40.426	3.3835	1.1221
2015 Oct	18.6216	1.6794	9.2892	52.070	70.9490	1.5731	15.1579	1.0882	40.092	3.2887	1.1235
2015 Nov	17.8605	1.6365	9.2572	50.537	69.7899	1.5181	15.1743	1.0833	38.432	3.0849	1.0736
2015 Dec	18.5500	1.6133	9.4642	51.337	76.3576	1.5321	16.3210	1.0827	39.162	3.1800	1.0877
2016 Jan	19.6039	1.6654	9.5899	51.654	83.8638	1.5561	17.7592	1.0941	39.249	3.2713	1.0860
2016 Feb	20.4826	1.6732	9.5628	52.816	85.6158	1.5596	17.4987	1.1018	39.507	3.2638	1.1093
2016 Mar	19.5943	1.6481	9.4300	51.722	77.9394	1.5247	17.1222	1.0920	39.089	3.2072	1.1100
2016 Apr	19.8402	1.6458	9.3224	52.598	75.4333	1.5308	16.5695	1.0930	39.780	3.2135	1.1339
2016 May	20.4956	1.6628	9.3036	52.951	74.4745	1.5494	17.3357	1.1059	40.064	3.3230	1.1311
2016 June	20.9430	1.5955	9.3278	52.172	73.1466	1.5205	16.9371	1.0894	39.624	3.2737	1.1229
2016 July	20.5453	1.5514	9.3690	52.102	71.2417	1.4949	15.9449	1.0867	38.794	3.2786	1.1069
2016 Aug	20.7136	1.5491	9.3030	52.254	72.7952	1.5106	15.4198	1.0881	38.916	3.3206	1.1212
2016 Sep	21.5034	1.5328	9.1971	53.359	72.2387	1.5240	15.7305	1.0919	38.935	3.3284	1.1212
2016 Oct	20.8389	1.5409	9.0009	53.304	69.0091	1.5257	15.3593	1.0887	38.666	3.3912	1.1026
2016 Nov	21.6800	1.5102	9.0807	53.160	69.5321	1.5232	15.0351	1.0758	38.155	3.5500	1.0799
2016 Dec	21.6189	1.4982	9.0252	52.493	65.3781	1.5137	14.6142	1.0750	37.730	3.6917	1.0543
2017 Jan	22.6576	1.4923	8.9990	52.800	63.4978	1.5175	14.4012	1.0714	37.645	3.9869	1.0614
2017 Feb	21.6027	1.4733	8.8603	53.208	62.1520	1.5055	14.0389	1.0660	37.258	3.9011	1.0643
2017 Mar	20.6333	1.5255	9.0919	53.683	61.9097	1.5013	13.8125	1.0706	37.260	3.9228	1.0685
2017 Apr	20.1297	1.5389	9.1993	53.441	60.5721	1.4996	14.4384	1.0727	36.967	3.9150	1.0723
2017 May	20.7659	1.5905	9.4001	55.108	63.1641	1.5423	14.6665	1.0904	38.103	3.9463	1.1058
2017 June	20.3786	1.5544	9.4992	56.045	65.1136	1.5541	14.5025	1.0874	38.181	3.9554	1.1229
2017 July	20.5291	1.5658	9.3988	58.306	68.7707	1.5790	15.1351	1.1059	38.834	4.1021	1.1511
2017 Aug	21.0333	1.6167	9.3201	60.161	70.2902	1.6070	15.6310	1.1398	39.267	4.1436	1.1807
2017 Sep	21.2431	1.6426	9.3275	60.732	68.6987	1.6084	15.6766	1.1470	39.497	4.1376	1.1915
2017 Oct	22.1033	1.6695	9.3976	60.471	67.8647	1.5992	16.1145	1.1546	39.069	4.3234	1.1756
2017 Nov	22.2188	1.7043	9.6082	59.733	69.2093	1.5911	16.5187	1.1640	38.623	4.5714	1.1738

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

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

### 3 End-of-year rates and annual averages

EUR 1 = CU ...

EU member countries									
Period	Bulgaria	Croatia	Cyprus	Czechia	Denmark	Estonia	Hungary	Latvia	Lithuania
	Bulgarian lev BGN	Kuna HRK 1	Cyprus pound CYP 2	Czech koruna CZK	Danish krone DKK	Estonian kroon EEK 2	Hungarian forint HUF	Latvian lats LVL 2	Lithuanian litas LTL 2
<b>End of year</b>									
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	–	–
<b>Annual averages +</b>									
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	
<b>End of year</b>										
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
<b>Annual averages +</b>										
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
Period	Chinese yuan renminbi CNY <sup>1</sup>	Hong Kong dollar HKD	Icelandic krona ISK <sup>2</sup>	Indian rupee INR <sup>3</sup>	Indonesian rupiah IDR <sup>1</sup>	New Israeli shekel ILS <sup>4</sup>	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR <sup>1</sup>	Mexican peso MXN <sup>5</sup>
<b>End of year</b>										
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
<b>Annual averages +</b>										
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
Period	New Zealand dollar NZD	Norwegian krona NOK	Philippine peso PHP <sup>1</sup>	Russian rouble RUB <sup>1</sup>	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB <sup>1</sup>	Turkish lira / New Turkish lira TRL / TRY <sup>6</sup>	US dollar USD
<b>End of year</b>										
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	6 1.5924	1.1797
2006	1.8725	8.2380	64.546	34.6800	2.0202	9.2124	1.6069	46.770	1.8640	1.3170
2007	1.9024	7.9580	60.724	35.9860	2.1163	10.0298	1.6547	43.800	1.7170	1.4721
2008	2.4191	9.7500	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2.1488	1.3917
2009	1.9803	8.3000	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	1.4406
2010	1.7200	7.8000	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	1.3362
2011	1.6737	7.7540	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	1.2939
2012	1.6045	7.3483	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	1.3194
2013	1.6762	8.3630	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	1.3791
2014	1.5525	9.0420	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	1.2141
2015	1.5923	9.6030	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	1.0887
2016	1.5158	9.0863	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	1.0541
<b>Annual averages +</b>										
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	6 1.6771	1.2441
2006	1.9373	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1.8090	1.2556
2007	1.8627	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1.7865	1.3705
2008	2.0770	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1.9064	1.4708
2009	2.2121	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	1.3948
2010	1.8377	8.0043	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	1.3257
2011	1.7600	7.7934	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	1.3920
2012	1.5867	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	1.2848
2013	1.6206	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	1.3281
2014	1.5995	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	1.3285
2015	1.5930	8.9496	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	1.1095
2016	1.5886	9.2906	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	1.1069

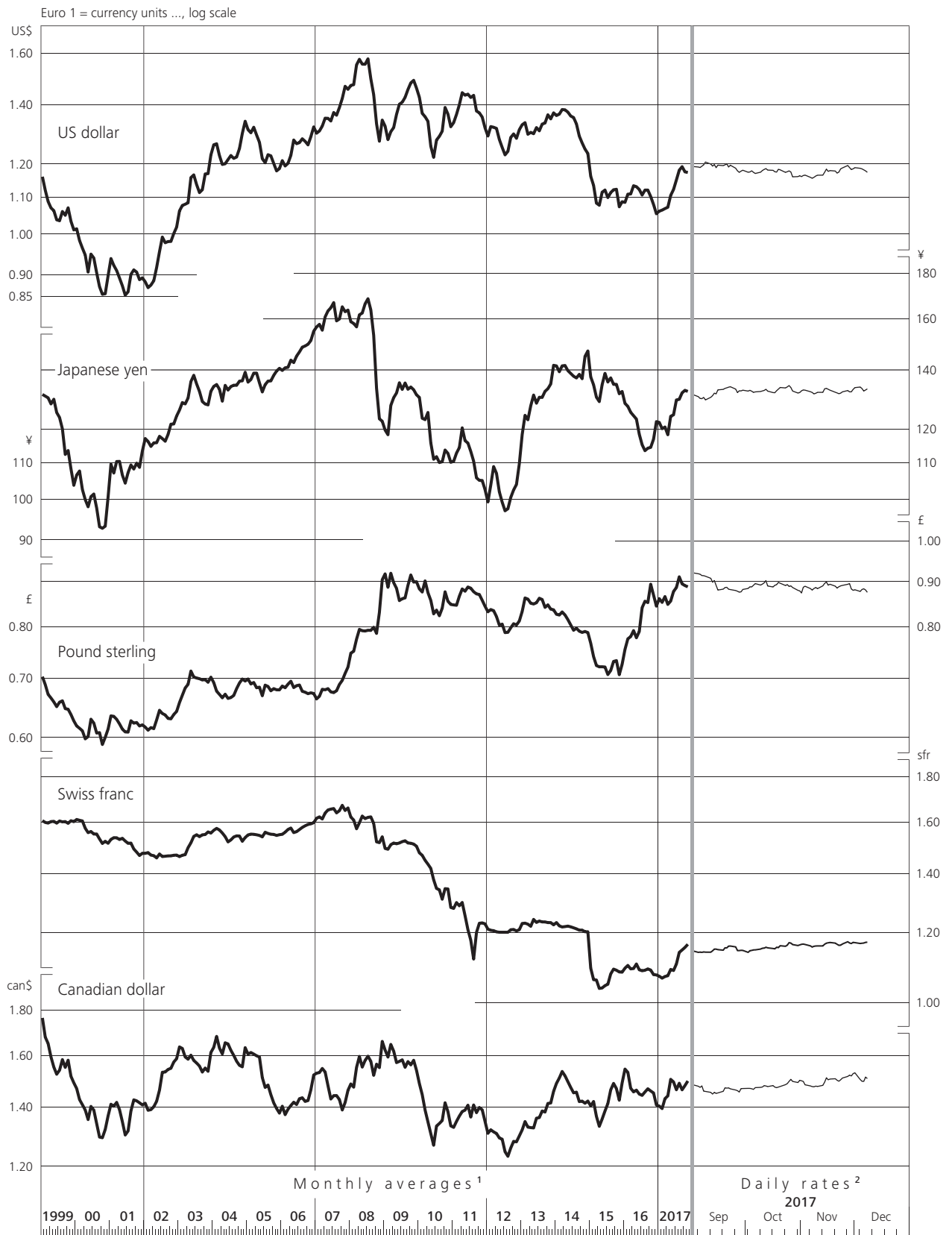
\* See Explanatory notes, p 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. <sup>1</sup> Up to March 2005, ECB indicative rates. <sup>2</sup> The ECB has not fixed a euro foreign exchange reference rate for the Icelandic krona since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

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



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

### 4 Exchange rates of major currencies



<sup>1</sup> Last monthly average: November 2017. <sup>2</sup> Last updated: 8 December 2017.

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

#### 1 Annual and monthly averages

1999 Q1 = 100

Period	Effective exchange rate of the euro <sup>1</sup>				<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 <sup>2</sup>	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	98.2	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	87.5	p 87.0	
2014 Jan	102.6	98.8	115.5	97.3	98.9	93.5	107.4	92.3	91.6	
Feb	102.8	99.0	116.0	97.6	98.7	93.4	107.1	92.3	91.7	
Mar	104.0	99.9	117.2	98.4	99.0	93.4	107.8	92.9	92.2	
Apr	103.9	99.8	116.7	97.9	98.9	93.5	107.5	92.9	92.0	
May	103.2	98.9	115.9	96.8	98.5	93.5	106.5	92.4	91.3	
June	102.4	98.1	114.9	96.0	98.4	93.6	105.8	92.1	91.0	
July	102.0	97.6	114.4	95.4	98.3	93.8	105.5	92.0	90.8	
Aug	101.2	96.9	113.7	94.8	98.1	93.7	104.8	91.6	90.4	
Sep	99.5	95.3	111.9	93.3	97.6	93.8	103.5	90.7	89.6	
Oct	98.6	94.3	111.3	92.5	97.2	93.7	102.5	90.1	89.1	
Nov	98.4	94.1	111.3	92.4	97.2	93.6	102.7	90.0	89.0	
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	
Feb	92.8	88.7	106.2	87.8	94.8	93.8	95.9	87.2	86.4	
Mar	90.0	86.1	103.0	85.1	93.6	93.7	93.2	85.6	84.6	
Apr	89.1	85.3	101.7	84.0	93.4	93.7	92.7	85.2	84.0	
May	91.0	87.1	104.1	85.8	94.0	93.7	94.3	86.2	85.1	
June	91.7	87.7	105.2	86.8	94.1	93.5	94.7	86.4	85.6	
July	90.7	86.6	104.3	85.8	93.7	93.5	93.6	85.8	85.0	
Aug	92.4	88.1	107.2	88.0	94.3	93.6	95.0	86.7	86.4	
Sep	93.2	88.9	108.7	89.3	94.5	93.6	95.8	87.1	87.1	
Oct	93.0	88.8	108.2	88.7	94.5	93.6	95.7	87.1	86.9	
Nov	90.5	86.3	105.1	p 86.0	93.5	93.6	93.0	85.8	p 85.3	
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	
Feb	94.2	89.2	110.3	p 89.9	94.4	93.4	95.7	87.2	p 87.1	
Mar	93.6	88.8	109.1	p 89.0	94.5	93.5	95.7	87.0	p 86.7	
Apr	94.4	89.5	109.8	p 89.4	94.9	93.7	96.5	87.6	p 87.1	
May	94.6	89.9	110.3	p 89.9	94.8	93.6	96.3	87.7	p 87.4	
June	94.4	89.7	109.9	p 89.6	94.6	93.6	95.8	87.6	p 87.2	
July	94.6	89.8	109.6	p 89.2	94.8	93.6	96.4	87.6	p 86.9	
Aug	94.9	90.0	110.1	p 89.5	95.0	93.6	97.0	87.7	p 87.1	
Sep	95.1	90.1	110.3	p 89.7	95.1	93.6	97.2	87.8	p 87.2	
Oct	95.1	90.3	110.0	p 89.4	95.4	93.7	97.7	87.9	p 87.1	
Nov	94.6	89.6	109.7	p 89.0	94.7	93.5	96.3	87.4	p 86.7	
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	
Feb	93.4	88.8	108.2	p 87.9	94.4	93.6	95.3	87.0	p 86.1	
Mar	94.0	89.2	108.6	p 88.0	94.6	93.5	95.9	87.1	p 86.1	
Apr	93.7	89.0	108.3	p 87.7	94.4	93.5	95.5	87.0	p 86.0	
May	95.6	90.5	110.5	p 89.3	95.4	93.7	97.8	88.1	p 87.1	
June	96.3	91.3	111.5	p 90.1	95.9	93.8	99.0	88.5	p 87.6	
July	97.6	92.4	113.4	p 91.5	96.6	93.8	100.6	89.2	p 88.5	
Aug	99.0	93.6	115.1	p 92.9	97.2	93.7	102.5	89.8	p 89.2	
Sep	99.0	93.6	115.1	p 92.8	97.4	93.9	102.6	89.9	p 89.4	
Oct	98.6	p 93.1	114.9	p 92.4	p 97.1	p 93.7	p 102.2	p 89.5	p 89.0	
Nov	98.5	p 93.1	115.1	p 92.6	p 97.2	p 93.7	p 102.4	p 89.4	p 89.0	

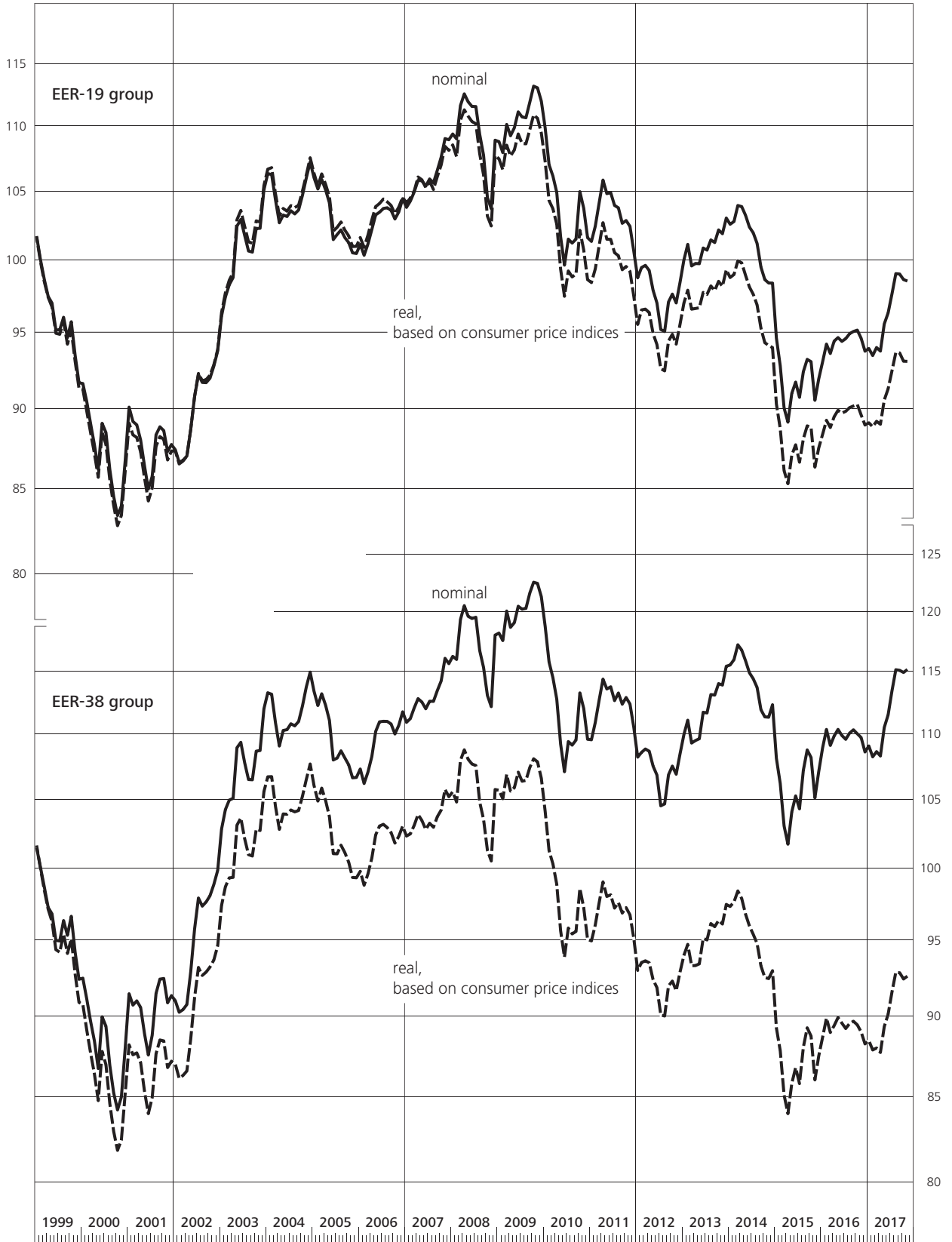
\* See Explanatory notes, p 51. <sup>1</sup> Source: ECB. <sup>2</sup> Data for Argentina are currently not available due to the state of emergency in the national statistical system declared by the government of Argentina on 7 January 2016. As a consequence, Argentina is not

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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month			
					September 2017	October 2017	November 2017	
<b>Afghanistan</b>								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 67.6255	AFN 68.2604	AFN 68.3457	AFN 68.7764	
		S	USD 1 =	AFN 67.7255	AFN 68.3604	AFN 68.4457	AFN 68.8764	
	AFN	B	EUR 1 =	AFN 74.2813	AFN 80.1846	AFN 79.3027	AFN 81.3518	
		S	EUR 1 =	AFN 74.5413	AFN 80.4446	AFN 79.5627	AFN 81.6118	
	<b>Albania</b>							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 124.35	ALL 113.37	ALL 114.71	ALL 112.97
M			EUR 1 =	ALL 137.39	ALL 133.70	ALL 133.42	ALL 133.64	
<b>Algeria</b>								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 109.5779	DZD 113.1131	DZD 115.1924	DZD 115.1727	
		S	USD 1 =	DZD 109.5929	DZD 113.1281	DZD 115.2074	DZD 115.1877	
	DZD	B	EUR 1 =	DZD 121.0722	DZD 133.5074	DZD 134.0379	DZD 135.9844	
		S	EUR 1 =	DZD 121.1234	DZD 133.5477	DZD 134.0784	DZD 136.0367	
<b>Angola <sup>1</sup></b>								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 163.205	AOA 165.096	AOA 165.097	AOA 165.098	
		S	USD 1 =	AOA 164.837	AOA 166.747	AOA 166.748	AOA 166.749	
	AOA	B	EUR 1 =	AOA 182.043	AOA 184.495	AOA 184.496	AOA 184.497	
		S	EUR 1 =	AOA 183.827	AOA 186.301	AOA 186.302	AOA 186.303	
<b>Antigua and Barbuda</b>								
St John's 459	East Caribbean dollar = 100 cents	<sup>2</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		<sup>2</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 3.1737	XCD 3.1285	XCD 3.1852	
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2076	XCD 3.1619	XCD 3.2193	
<b>Argentina</b>								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 14.6816	ARS 17.2100	ARS 17.5550	ARS 17.2050	
		S	USD 1 =	ARS 14.7816	ARS 17.3100	ARS 17.6550	ARS 17.3050	
	ARS	B	EUR 1 =	ARS 16.2264	ARS 20.2940	ARS 20.4305	ARS 20.4378	
		S	EUR 1 =	ARS 16.3739	ARS 20.4552	ARS 20.5910	ARS 20.5999	
<b>Armenia</b>								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 480.52	AMD 478.41	AMD 482.87	AMD 484.30	
		M	EUR 1 =	AMD 531.12	AMD 564.57	AMD 561.58	AMD 572.54	
<b>Aruba</b>								
Oranjestad 474	Aruban florin = 100 cent	<sup>2</sup> B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78	
		<sup>2</sup> S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80	
	AWG	B	EUR 100 =	AWG 196.87	AWG 210.27	AWG 207.28	AWG 211.04	
		S	EUR 100 =	AWG 198.85	AWG 212.38	AWG 209.36	AWG 213.16	

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

IV Overview of world currencies \*

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Australia</b>							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7437	USD 0.7839	USD 0.7673	USD 0.7585
		M	AUD 1 =	EUR 0.6741	EUR 0.6658	EUR 0.6600	EUR 0.6394
<b>Austria</b>							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Azerbaijan</b>							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.5993	AZN 1.7002	AZN 1.7002	AZN 1.7001
		M	EUR 1 =	AZN 1.7664	AZN 2.0027	AZN 1.9767	AZN 2.0167
<b>Bahamas</b>							
Nassau 453	Bahamian dollar = 100 cents BSD	2 B	USD 1 =	BSD 0.9950	BSD 0.9950	BSD 0.9950	BSD 0.9950
		2 S	USD 1 =	BSD 1.0125	BSD 1.0125	BSD 1.0125	BSD 1.0125
		V, B	EUR 1 =	BSD 1.10137	BSD 1.17470	BSD 1.15798	BSD 1.17898
		V, S	EUR 1 =	BSD 1.12074	BSD 1.19536	BSD 1.17835	BSD 1.19971
<b>Bahrain</b>							
Manama 640	Bahraini dinar = 1,000 fils BHD	2 B	USD 1 =	BHD 0.37425	BHD 0.37425	BHD 0.37425	BHD 0.37425
		2 S	USD 1 =	BHD 0.37750	BHD 0.37750	BHD 0.37750	BHD 0.37750
		B	EUR 1 =	BHD 0.4033858	BHD 0.4303114	BHD 0.4256651	BHD 0.4339974
		S	EUR 1 =	BHD 0.4283375	BHD 0.4569286	BHD 0.4519949	BHD 0.4608426
<b>Bangladesh <sup>1</sup></b>							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 77.9750	BDT 80.8000	BDT 80.8800	BDT 82.3000
		S	USD 1 =	BDT 78.9650	BDT 80.8000	BDT 80.9000	BDT 82.3000
		B	EUR 1 =	BDT 84.7274	BDT 95.4410	BDT 94.1767	BDT 97.5008
		S	EUR 1 =	BDT 88.2358	BDT 95.4733	BDT 94.2323	BDT 97.5090
<b>Barbados</b>							
Bridgetown 469	Barbados dollar = 100 cents BBD	2 B	USD 1 =	BBD 1.99375	BBD 1.99375	BBD 1.99375	BBD 1.99375
		2 S	USD 1 =	BBD 2.02768	BBD 2.02768	BBD 2.02768	BBD 2.02768
		B	EUR 1 =	BBD 2.19619	BBD 2.34737	BBD 2.31671	BBD 2.36091
		S	EUR 1 =	BBD 2.23736	BBD 2.39138	BBD 2.36014	BBD 2.40518
<b>Belarus</b>							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 1.9916 <sup>3</sup>	BYN 1.9623	BYN 1.9722	BYN 2.0039
		M	EUR 1 =	BYN 2.2021 <sup>3</sup>	BYN 2.3141	BYN 2.2918	BYN 2.3764

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 53. <sup>1</sup> Explanatory notes on individual countries, see p 57 ff. <sup>2</sup> Value against the US dollar. <sup>3</sup> 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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Belgium</b>							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Belize</b>							
Belmopan 421	Belize dollar = 100 cents	<sup>2</sup> B	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
		<sup>2</sup> S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
	BZD	B	EUR 1 =	BZD 2.1888	BZD 2.3368	BZD 2.3062	BZD 2.3503
		S	EUR 1 =	BZD 2.2274	BZD 2.3780	BZD 2.3470	BZD 2.3917
<b>Benin <sup>1</sup></b>							
Porto-Novo Seat of Government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 555.613	XOF 563.634	XOF 553.597
		<sup>3</sup>	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Bermuda</b>							
Hamilton 413	Bermudian dollar = 100 cents	<sup>2</sup> B	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
		<sup>2</sup> S	USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
	BMD	V, B	EUR 1 =	BMD 1.1025	BMD 1.1759	BMD 1.1591	BMD 1.1802
		V, S	EUR 1 =	BMD 1.1117	BMD 1.1857	BMD 1.1688	BMD 1.1900
<b>Bhutan <sup>1</sup></b>							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 67.04	BTN 64.50	BTN 63.75	BTN 63.30
		S	USD 1 =	BTN 67.94	BTN 66.65	BTN 65.90	BTN 65.40
	BTN	B	EUR 1 =	BTN 73.90	BTN 75.90	BTN 74.20	BTN 75.20
		S	EUR 1 =	BTN 74.78	BTN 78.00	BTN 76.25	BTN 77.25
<b>Bolivia, Plurinational State of</b>							
Sucre Seat of Government: La Paz 516	Boliviano = 100 centavos BOB	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
		S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		V, B	EUR 1 =	BOB 7.5883	BOB 8.0989	BOB 7.9837	BOB 8.1284
		V, S	EUR 1 =	BOB 7.6989	BOB 8.2170	BOB 8.1000	BOB 8.2469
<b>Bosnia and Herzegovina</b>							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.768868	BAM 1.652499	BAM 1.680107	BAM 1.649565
		S	USD 1 =	BAM 1.777735	BAM 1.660783	BAM 1.688529	BAM 1.657833
	BAM	<sup>3</sup>	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
<b>Botswana</b>							
Gaborone 391	Pula = 100 thebe	B	BWP 1 =	USD 0.0923	USD 0.0974	USD 0.0950	USD 0.0970
		S	BWP 1 =	USD 0.0921	USD 0.0972	USD 0.0948	USD 0.0968
	BWP	B	BWP 1 =	EUR 0.0836	EUR 0.0824	EUR 0.0817	EUR 0.0819
		S	BWP 1 =	EUR 0.0834	EUR 0.0823	EUR 0.0814	EUR 0.0817

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

## IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Brazil</b>							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.4827	BRL 3.1674	BRL 3.2763	BRL 3.2610
		S	USD 1 =	BRL 3.4833	BRL 3.1680	BRL 3.2769	BRL 3.2616
	BRL	B	EUR 1 =	BRL 3.8029	BRL 3.7410	BRL 3.8126	BRL 3.8819
		S	EUR 1 =	BRL 3.8043	BRL 3.7430	BRL 3.8140	BRL 3.8839
<b>Brunei Darussalam <sup>1</sup></b>							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3729	BND 1.3483	BND 1.3503	BND 1.3382
		S	USD 1 =	BND 1.3939	BND 1.3693	BND 1.3713	BND 1.3565
	BND	B	EUR 1 =	BND 1.4995	BND 1.5746	BND 1.5590	BND 1.5718
		S	EUR 1 =	BND 1.5562	BND 1.6314	BND 1.6158	BND 1.6267
<b>Bulgaria</b>							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.76889	BGN 1.65664	BGN 1.68056	BGN 1.65063
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
<b>Burkina Faso <sup>1</sup></b>							
Ouagadougou 236	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 555.613	XOF 563.634	XOF 553.597
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Burundi</b>							
Bujumbura 328	Burundi franc = 100 centimes	B	USD 1 =	BIF 1,640.7922	BIF 1,733.2821	BIF 1,739.2122	BIF 1,744.9146
		S	USD 1 =	BIF 1,673.9395	BIF 1,768.2979	BIF 1,774.3478	BIF 1,780.1654
	BIF	B	EUR 1 =	BIF 1,808.9191	BIF 2,040.7663	BIF 2,025.0517	BIF 2,067.6366
		S	EUR 1 =	BIF 1,845.4629	BIF 2,081.9939	BIF 2,065.9619	BIF 2,109.4070
<b>Cabo Verde</b>							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 100.009	CVE 93.518	CVE 94.857	CVE 93.131
		S	USD 1 =	CVE 100.211	CVE 93.720	CVE 95.059	CVE 93.333
	CVE	2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265
<b>Cambodia</b>							
Phnom Penh 696	Riel = 100 sen KHR	M	USD 1 =	KHR 4,056	KHR 4,053	KHR 4,037	KHR 4,035
		B	EUR 1 =	KHR 4,477	KHR 4,775	KHR 4,702	KHR 4,783
	S	EUR 1 =	KHR 4,522	KHR 4,823	KHR 4,749	KHR 4,831	
<b>Cameroon <sup>1</sup></b>							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 555.613	XAF 563.634	XAF 553.597
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Canada</b>							
Ottawa 404	Canadian dollar = 100 cents CAD	M	USD 1 =	CAD 1.3248	CAD 1.2480	CAD 1.2893	CAD 1.2888
		M	EUR 1 =	CAD 1.4585	CAD 1.4742	CAD 1.5014	CAD 1.5330

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

#### IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Cayman Islands</b>							
George Town 463	Cayman Islands dollar = 100 cents KYD	2	KYD 1 =	USD 1.20	USD 1.20	USD 1.20	USD 1.20
		V	EUR 1 =	KYD 0.9224	KYD 0.9838	KYD 0.9698	KYD 0.9874
<b>Central African Republic <sup>1</sup></b>							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 555.613	XAF 563.634	XAF 553.597
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Chad <sup>1</sup></b>							
N'Djaména 244	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 555.613	XAF 563.634	XAF 553.597
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Chile</b>							
Santiago 512	Chilean peso = 100 centavos CLP	M	USD 1 =	CLP 676.30	CLP 636.85	CLP 636.49	CLP 642.41
		M	EUR 1 =	CLP 748.75	CLP 750.47	CLP 740.28	CLP 762.23
<b>China</b>							
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.6420	CNY 6.6369	CNY 6.6397	CNY 6.6034
		M	EUR 1 =	CNY 7.3417	CNY 7.8233	CNY 7.7333	CNY 7.8252
		M	HKD 1 =	CNY 0.85648	CNY 0.84966	CNY 0.85128	CNY 0.84577
<b>China (Taiwan)</b>							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 32.20	TWD 30.19	TWD 30.11	TWD 29.93
		S	USD 1 =	TWD 32.30	TWD 30.29	TWD 30.21	TWD 30.03
		B	EUR 1 =	TWD 35.46	TWD 35.58	TWD 34.90	TWD 35.37
		S	EUR 1 =	TWD 35.86	TWD 35.98	TWD 35.30	TWD 35.77
<b>Colombia</b>							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 3,054.174	COP 2,941.07	COP 3,011.44	COP 3,006.09
		V, M	EUR 1 =	COP 3,378.388	COP 3,472.227	COP 3,504.714	COP 3,561.916
<b>Comoros</b>							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 444.45546	KMF 416.70994	KMF 422.72534	KMF 415.19770
		3	EUR 1 =	KMF 491.96775	KMF 491.96775	KMF 491.96775	KMF 491.96775
<b>Congo <sup>1</sup></b>							
Brazzaville 318	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 555.613	XAF 563.634	XAF 553.597
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 53. <sup>1</sup> 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		
					September 2017	October 2017	November 2017
<b>Congo, Democratic Republic of the</b>							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,001.9582	CDF 1,535.5290	CDF 1,542.9727	CDF 1,554.5501
		S	USD 1 =	CDF 1,042.8545	CDF 1,598.2036	CDF 1,605.9512	CDF 1,618.0011
	CDF	B	EUR 1 =	CDF 1,101.1857	CDF 1,810.6953	CDF 1,791.4492	CDF 1,839.8730
		S	EUR 1 =	CDF 1,146.1321	CDF 1,884.6012	CDF 1,864.5696	CDF 1,914.9699
<b>Cook Islands <sup>1</sup></b>							
Avarua 837	Cook Islands dollar <sup>2</sup> = 100 cents  NZD	B	NZD 1 =	EUR 0.6477	EUR 0.6277	EUR 0.6044	EUR 0.5912
		S	NZD 1 =	EUR 0.6197	EUR 0.6009	EUR 0.5783	EUR 0.5657
<b>Costa Rica</b>							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 539.45	CRC 568.33	CRC 566.65	CRC 563.32
		S	USD 1 =	CRC 552.06	CRC 574.13	CRC 572.11	CRC 568.56
	CRC	V, B	EUR 1 =	CRC 595.0202	CRC 670.9704	CRC 659.4673	CRC 667.4779
		V, S	EUR 1 =	CRC 608.9289	CRC 677.8179	CRC 665.8216	CRC 673.6867
<b>Côte d'Ivoire <sup>1</sup></b>							
Yamoussoukro Seat of Government: Abidjan 272	CFA franc  XOF	V	USD 1 =	XOF 592.607	XOF 555.613	XOF 563.634	XOF 553.597
		3	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Croatia</b>							
Zagreb 092	Kuna = 100 lipa	B	USD 1 =	HRK 6.793055	HRK 6.334964	HRK 6.432403	HRK 6.346404
		S	USD 1 =	HRK 6.833936	HRK 6.373088	HRK 6.471113	HRK 6.384597
	HRK	B	EUR 1 =	HRK 7.504508	HRK 7.474624	HRK 7.485387	HRK 7.518584
		S	EUR 1 =	HRK 7.549670	HRK 7.519606	HRK 7.530435	HRK 7.563832
<b>Cuba <sup>1</sup></b>							
Havana 448	Convertible peso / Cuban peso = 100 centavos	4 B	CUC 1 =	USD 1.03360	USD 1.02827	USD 1.02827	USD 1.02827
		4 S	CUC 1 =	USD 0.96852	USD 0.97324	USD 0.97324	USD 0.97324
	CUC / CUP	B	EUR 1 =	CUC 1.06595	CUC 1.14623	CUC 1.13126	CUC 1.15343
		S	EUR 1 =	CUC 1.13772	CUC 1.21107	CUC 1.19524	CUC 1.21867
<b>Curaçao</b>							
Willemstad 477	Netherlands Antillean guilder = 100 cent	4 B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		4 S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 196.48	ANG 210.27	ANG 206.82	ANG 211.04
		S	EUR 100 =	ANG 200.44	ANG 214.51	ANG 210.98	ANG 215.29
<b>Cyprus</b>							
Nicosia 600	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Czechia</b>							
Prague 061	Czech koruna = 100 heller  CZK	M	USD 1 =	CZK 24.432	CZK 22.003	CZK 22.060	CZK 21.519
		M	EUR 1 =	CZK 27.043	CZK 25.975	CZK 25.670	CZK 25.495

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

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

#### IV Overview of world currencies \*

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Denmark</b>							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 673.27	DKK 630.38	DKK 639.39	DKK 628.04
		M	EUR 100 =	DKK 744.51	DKK 744.23	DKK 744.12	DKK 744.17
<b>Djibouti</b>							
Djibouti 338	Djibouti franc = 100 centimes DJF	2 B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
		2 S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 193.21	DJF 205.88	DJF 204.06	DJF 207.97
		S	EUR 1 =	DJF 201.01	DJF 213.92	DJF 212.02	DJF 216.09
<b>Dominica</b>							
Roseau 460	East Caribbean dollar = 100 cents XCD	2 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		2 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B	EUR 1 =	XCD 2.9756	XCD 3.1737	XCD 3.1285	XCD 3.1852
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2076	XCD 3.1619	XCD 3.2193
<b>Dominican Republic</b>							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 45.7225	DOP 47.3813	DOP 47.5059	DOP 47.6526
		S	USD 1 =	DOP 46.1276	DOP 47.7862	DOP 47.9332	DOP 48.0693
		B	EUR 1 =	DOP 49.5990	DOP 55.1874	DOP 54.7561	DOP 55.6769
		S	EUR 1 =	DOP 52.9180	DOP 58.2215	DOP 57.7402	DOP 58.5686
<b>Egypt</b>							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 10.1049	EGP 17.6000	EGP 17.6000	EGP 17.6000
		S	USD 1 =	EGP 10.1571	EGP 17.7000	EGP 17.7000	EGP 17.7000
		B	EUR 1 =	EGP 11.0444	EGP 20.6290	EGP 20.4618	EGP 20.8226
		S	EUR 1 =	EGP 11.2018	EGP 20.8772	EGP 20.6258	EGP 21.0329
<b>El Salvador 1</b>							
San Salvador 428	El Salvador colón = 100 centavos SVC	2	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 9.6854	SVC 10.3303	SVC 10.1833	SVC 10.3679
<b>Equatorial Guinea 1</b>							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 555.613	XAF 563.634	XAF 553.597
		3	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Eritrea</b>							
Asmara 336	Nakfa = 100 cents ERN	2 B	USD 1 =	ERN 15.00	ERN 15.00	ERN 15.00	ERN 15.00
		2 S	USD 1 =	ERN 15.70	ERN 15.15	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 16.5083	ERN 17.8140	ERN 17.4480	ERN 17.9055
		S	EUR 1 =	ERN 17.2575	ERN 18.9919	ERN 18.0842	ERN 18.5417
<b>Estonia</b>							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849

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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month			
					September 2017	October 2017	November 2017	
<b>Ethiopia <sup>1</sup></b>								
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 21.7838	ETB 23.3854	ETB 27.0234 <sup>1</sup>	ETB 27.1657	
		S	USD 1 =	ETB 22.2195	ETB 23.8531	ETB 27.5639 <sup>1</sup>	ETB 27.7090	
	ETB	B	EUR 1 =	ETB 24.0212	ETB 27.6018	ETB 31.4444 <sup>1</sup>	ETB 32.2783	
		S	EUR 1 =	ETB 24.5107	ETB 28.1634	ETB 32.0761 <sup>1</sup>	ETB 32.9349	
	<b>Falkland Islands (Islas Malvinas)</b>							
	Stanley 529	Falkland Islands pound <sup>2</sup> = 100 pence FKP	V	USD 1 =	FKP 0.74034	FKP 0.74689	FKP 0.75488	FKP 0.74255
V			EUR 1 =	FKP 0.81948	FKP 0.88178	FKP 0.87853	FKP 0.87985	
<b>Fiji</b>								
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4855	USD 0.4991	USD 0.4905	USD 0.4889	
		S	FJD 1 =	USD 0.4685	USD 0.4821	USD 0.4735	USD 0.4719	
	FJD	B	FJD 1 =	EUR 0.4383	EUR 0.4218	EUR 0.4191	EUR 0.4105	
		S	FJD 1 =	EUR 0.4263	EUR 0.4098	EUR 0.4071	EUR 0.3985	
<b>Finland</b>								
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849	
<b>France</b>								
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849	
<b>Gabon <sup>1</sup></b>								
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 592.607	XAF 555.613	XAF 563.634	XAF 553.597	
		<sup>3</sup>	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957	
<b>Gambia</b>								
Banjul 252	Dalasi = 100 bututs GMD	M	USD 1 =	GMD 43.41	GMD 47.22	GMD 47.45	GMD 47.41	
		M	EUR 1 =	GMD 48.60	GMD 56.52	GMD 56.31	GMD 56.24	
<b>Georgia</b>								
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.3757	GEL 2.4835	GEL 2.5873	GEL 2.7225	
		M	EUR 1 =	GEL 2.6255	GEL 2.9258	GEL 3.0106	GEL 3.2262	
<b>Germany</b>								
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849	

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

#### IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Ghana</b>							
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 3.9280	GHS 4.3922	GHS 4.3743	GHS 4.4100
		S	USD 1 =	GHS 3.9319	GHS 4.3966	GHS 4.3787	GHS 4.4144
	GHS	B	EUR 1 =	GHS 4.3326	GHS 5.1922	GHS 5.0915	GHS 5.2549
		S	EUR 1 =	GHS 4.3360	GHS 5.1958	GHS 5.0964	GHS 5.2595
<b>Gibraltar</b>							
Gibraltar 044	Gibraltar pound <sup>2</sup> = 100 pence GIP	V	USD 1 =	GIP 0.74034	GIP 0.74689	GIP 0.75488	GIP 0.74255
		V	EUR 1 =	GIP 0.81948	GIP 0.88178	GIP 0.87853	GIP 0.87985
<b>Greece <sup>1</sup></b>							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Grenada</b>							
St George's 473	East Caribbean dollar = 100 cents	<sup>3</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		<sup>3</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 3.1737	XCD 3.1285	XCD 3.1852
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2076	XCD 3.1619	XCD 3.2193
<b>Guatemala</b>							
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.60438	GTQ 7.34427	GTQ 7.34271	GTQ 7.34136
		V, M	EUR 1 =	GTQ 8.39003	GTQ 8.67065	GTQ 8.54545	GTQ 8.69878
<b>Guinea</b>							
Conakry 260	Guinean franc	B	USD 1 =	GNF 8,612.0636	GNF 8,730.0000	GNF 8,710.0000	GNF 8,710.0000
		S	USD 1 =	GNF 9,088.2761	GNF 9,000.0000	GNF 9,050.0000	GNF 9,050.0000
	GNF	B	EUR 1 =	GNF 9,484.4388	GNF 10,292.6700	GNF 10,137.7432	GNF 10,327.7082
		S	EUR 1 =	GNF 10,008.4364	GNF 10,611.0000	GNF 10,533.4760	GNF 10,730.8563
<b>Guinea-Bissau <sup>1</sup></b>							
Bissau 257	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 555.613	XOF 563.634	XOF 553.597
		<sup>4</sup>	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Guyana</b>							
Georgetown 488	Guyana dollar = 100 cents	B	USD 1 =	GYD 205.98	GYD 205.98	GYD 205.98	GYD 205.98
		S	USD 1 =	GYD 208.44	GYD 208.44	GYD 208.44	GYD 208.44
	GYD	B	EUR 1 =	GYD 227.14	GYD 243.18	GYD 239.50	GYD 243.62
		S	EUR 1 =	GYD 230.06	GYD 246.29	GYD 242.56	GYD 246.73

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

<sup>2</sup> Value (1:1) against the pound sterling. <sup>3</sup> Value against the US dollar. <sup>4</sup> Value against the euro.

IV Overview of world currencies \*

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Haiti</b>							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 63.7147	HTG 62.6900	HTG 62.9405	HTG .
		V, M	EUR 1 =	HTG 70.2563	HTG 74.0118	HTG 73.2502	HTG .
<b>Honduras</b>							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 22.8835	HNL 23.3962	HNL 23.5249	HNL 23.5763
		S	USD 1 =	HNL 23.0436	HNL 23.5600	HNL 23.6896	HNL 23.7413
		V, B	EUR 1 =	HNL 25.2388	HNL 27.6216	HNL 27.3783	HNL 27.9356
		V, S	EUR 1 =	HNL 25.4155	HNL 27.8149	HNL 27.5700	HNL 28.1311
<b>Hong Kong</b>							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.74365	HKD 7.79040	HKD 7.78040	HKD 7.78910
		S	USD 1 =	HKD 7.78145	HKD 7.83040	HKD 7.82060	HKD 7.82940
		B	EUR 1 =	HKD 8.52775	HKD 9.18024	HKD 9.04054	HKD 9.20684
		S	EUR 1 =	HKD 8.58753	HKD 9.24766	HKD 9.10786	HKD 9.27416
<b>Hungary</b>							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 281.44	HUF 263.75	HUF 267.68	HUF 264.27
		M	EUR 1 =	HUF 311.84	HUF 311.23	HUF 311.42	HUF 312.68
<b>Iceland</b>							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 120.14	ISK 105.22	ISK 104.87	ISK 103.25
		S	USD 1 =	ISK 120.71	ISK 105.72	ISK 105.37	ISK 103.75
		B	EUR 1 =	ISK 133.22	ISK 124.20	ISK 121.91	ISK 122.06
		S	EUR 1 =	ISK 133.96	ISK 124.90	ISK 122.59	ISK 122.74
<b>India <sup>1</sup></b>							
New Delhi 664	Indian rupee = 100 paise INR	B	USD 1 =	INR 66.81	INR 64.95	INR 64.05	INR 64.15
		S	USD 1 =	INR 67.79	INR 65.80	INR 65.55	INR 65.00
		B	EUR 1 =	INR 73.35	INR 76.15	INR 74.14	INR 75.70
		S	EUR 1 =	INR 75.08	INR 77.81	INR 76.53	INR 77.35
<b>Indonesia</b>							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 13,243.83	IDR 13,425.00	IDR 13,504.00	IDR 13,446.00
		S	USD 1 =	IDR 13,376.83	IDR 13,559.00	IDR 13,640.00	IDR 13,582.00
		B	EUR 1 =	IDR 14,633.44	IDR 15,814.65	IDR 15,711.90	IDR 15,956.37
		S	EUR 1 =	IDR 14,784.94	IDR 15,975.21	IDR 15,872.87	IDR 16,120.48
<b>Iran, Islamic Republic of <sup>1</sup></b>							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 31,002	IRR 33,805	IRR 34,954	IRR 35,265
		M	EUR 1 =	IRR 34,194	IRR 39,666	IRR 40,659	IRR 41,838

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 53. <sup>1</sup> 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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Iraq <sup>1</sup></b>							
Baghdad 612	Iraqi dinar = 1,000 fils	<b>2</b> 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 1,393.818	IQD 1,377.250	IQD 1,399.617
			EUR 1 =	IQD 1,301.934	IQD 1,394.515	IQD 1,377.939	IQD 1,400.317
		<b>3</b> B S	USD 1 =	IQD –	IQD 1,246.00	IQD 1,254.00	IQD 1,242.00
			USD 1 =	IQD –	IQD 1,250.00	IQD 1,259.00	IQD 1,247.00
IQD	V, B V, S	EUR 1 =	IQD –	IQD 1,471.03	IQD 1,459.41	IQD 1,471.65	
		EUR 1 =	IQD –	IQD 1,475.75	IQD 1,465.22	IQD 1,477.57	
<b>Ireland</b>							
Dublin 007	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Israel</b>							
Jerusalem 624	New Israeli sheqel = 100 agorot ILS	M	USD 1 =	ILS 3.8406	ILS 3.5290	ILS 3.5210	ILS 3.4990
			EUR 1 =	ILS 4.2256	ILS 4.1569	ILS 4.0956	ILS 4.1429
<b>Italy</b>							
Rome 005	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Jamaica</b>							
Kingston 464	Jamaican dollar = 100 cents JMD	B S	USD 1 =	JMD 125.0655	JMD 128.4890	JMD 126.0833	JMD 125.0024
			USD 1 =	JMD 125.7664	JMD 129.9127	JMD 127.2868	JMD 126.0787
		B S	EUR 1 =	JMD 136.03736	JMD 147.3188	JMD 141.3232	JMD 140.7089
			EUR 1 =	JMD 139.02909	JMD 152.4545	JMD 146.7183	JMD 148.5458
<b>Japan</b>							
Tokyo 732	Japanese yen = 100 sen JPY	B S	USD 1 =	JPY 107.70	JPY 111.73	JPY 112.16	JPY 111.05
			USD 1 =	JPY 109.70	JPY 113.73	JPY 114.16	JPY 113.05
		B S	EUR 1 =	JPY 119.13	JPY 131.35	JPY 130.26	JPY 131.31
			EUR 1 =	JPY 122.13	JPY 134.35	JPY 133.26	JPY 134.31
<b>Jordan</b>							
Amman 628	Jordanian dinar = 1,000 fils JOD	<b>2</b> 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 0.82985	JOD 0.82312	JOD 0.83763
			EUR 1 =	JOD 0.78450	JOD 0.83666	JOD 0.82736	JOD 0.84369
<b>Kazakhstan</b>							
Astana 079	Tenge = 100 tiyn KZT	M	USD 1 =	KZT 342.02	KZT 341.19	KZT 334.00	KZT 331.61
			EUR 1 =	KZT 378.27	KZT 402.64	KZT 388.81	KZT 393.42

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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month			
					September 2017	October 2017	November 2017	
<b>Kenya <sup>1</sup></b>								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 101.4201	KES 103.1472	KES 103.5944	KES 103.1533	
		S	USD 1 =	KES 101.6164	KES 103.3472	KES 103.7944	KES 103.3533	
	KES	B	EUR 1 =	KES 111.7446	KES 121.5350	KES 120.1489	KES 122.2856	
		S	EUR 1 =	KES 111.9896	KES 121.8056	KES 120.4011	KES 122.5589	
	<b>Korea, Democratic People's Republic of</b>							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 108.00	KPW 105.34 <sup>2</sup>	KPW 106.00 <sup>2</sup>	KPW 105.03 <sup>2</sup>
S			USD 1 =	KPW 108.82	KPW 106.13 <sup>2</sup>	KPW 106.80 <sup>2</sup>	KPW 105.82 <sup>2</sup>	
KPW		B	EUR 1 =	KPW 119.03	KPW 124.18 <sup>2</sup>	KPW 123.33 <sup>2</sup>	KPW 124.45 <sup>2</sup>	
		S	EUR 1 =	KPW 119.92	KPW 125.12 <sup>2</sup>	KPW 124.26 <sup>2</sup>	KPW 125.39 <sup>2</sup>	
<b>Korea, Republic of</b>								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,150.51	KRW 1,134.80	KRW 1,108.60	KRW 1,077.40
	S		USD 1 =	KRW 1,173.19	KRW 1,157.20	KRW 1,130.40	KRW 1,098.60	
	KRW	B	EUR 1 =	KRW 1,266.75	KRW 1,340.35	KRW 1,289.29	KRW 1,276.07	
		S	EUR 1 =	KRW 1,292.34	KRW 1,367.41	KRW 1,315.33	KRW 1,301.83	
	<b>Kuwait</b>							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30140	KWD 0.30085	KWD 0.30140	KWD 0.30040
S			USD 1 =	KWD 0.30463	KWD 0.30445	KWD 0.30500	KWD 0.30400	
KWD		B	EUR 1 =	KWD 0.332598	KWD 0.354612	KWD 0.350588	KWD 0.355899	
		S	EUR 1 =	KWD 0.336156	KWD 0.358855	KWD 0.354776	KWD 0.360164	
<b>Kyrgyzstan</b>								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 69.7909	KGS 68.6585	KGS 68.7200	KGS 69.7399
	M		EUR 1 =	KGS 77.1283	KGS 80.9518	KGS 79.9282	KGS 82.7987	
<b>Lao People's Democratic Republic</b>								
Vientiane 684	Kip	B	USD 1 =	LAK 8,110	LAK 8,277	LAK 8,284	LAK 8,280	
		S	USD 1 =	LAK 8,146	LAK 8,314	LAK 8,321	LAK 8,317	
	LAK	B	EUR 1 =	LAK 8,938	LAK 9,734	LAK 9,628	LAK 9,801	
		S	EUR 1 =	LAK 8,980	LAK 9,780	LAK 9,673	LAK 9,847	
	<b>Latvia</b>							
	Riga 054	Euro = 100 cents	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
	EUR							
<b>Lebanon</b>								
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 1,777.49	LBP 1,754.58	LBP 1,785.48	
	LBP							
<b>Lesotho <sup>1</sup></b>								
Maseru 395	Loti = 100 lisente	M	USD 1 =	LSL 14.6321	LSL 13.4589	LSL 14.1185	LSL 13.6080	
		M	EUR 1 =	LSL 16.2188	LSL 15.9205	LSL 16.4276	LSL 16.1186	
	LSL							

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 53. <sup>1</sup> Explanatory notes on individual countries, see p 57 ff. <sup>2</sup> As a rule, rate from the first business day of the following month.

#### IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Liberia <sup>1</sup></b>							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 94.33	LRD 117.28	LRD 118.96	LRD 125.16
		S	USD 1 =	LRD 95.33	LRD 118.15	LRD 119.79	LRD 125.85
	LRD	V, B	EUR 1 =	LRD 104.0004	LRD 138.4608	LRD 138.4456	LRD 148.3021
		V, S	EUR 1 =	LRD 105.1035	LRD 139.4879	LRD 139.4116	LRD 149.1197
<b>Libya</b>							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3904	LYD 1.3676	LYD 1.3718	LYD 1.3603
		S	USD 1 =	LYD 1.3973	LYD 1.3744	LYD 1.3787	LYD 1.3671
	LYD	B	EUR 1 =	LYD 1.5321	LYD 1.6057	LYD 1.5971	LYD 1.6131
		S	EUR 1 =	LYD 1.5398	LYD 1.6137	LYD 1.6051	LYD 1.6212
<b>Lithuania</b>							
Vilnius 055	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Luxembourg</b>							
Luxembourg 018	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Macao <sup>1</sup></b>							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 7.9839	MOP 8.0342	MOP 8.0245	MOP 8.0331
		S	USD 1 =	MOP 8.0158	MOP 8.0662	MOP 8.0565	MOP 8.0651
	MOP	B	EUR 1 =	MOP 8.7839	MOP 9.4596	MOP 9.3200	MOP 9.4828
		S	EUR 1 =	MOP 8.8539	MOP 9.5388	MOP 9.3992	MOP 9.5620
<b>Macedonia, former Yugoslav Republic of</b>							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 55.4361	MKD 51.8047	MKD 52.6796	MKD 51.8538
		S	USD 1 =	MKD 55.9933	MKD 52.3254	MKD 53.2091	MKD 52.3750
	MKD	B	EUR 1 =	MKD 61.2875	MKD 61.1607	MKD 61.1716	MKD 61.3275
		S	EUR 1 =	MKD 61.9035	MKD 61.7753	MKD 61.7864	MKD 61.9439
<b>Madagascar</b>							
Antananarivo 370	Ariary = 5 iraimbilanja  MGA	M	USD 1 =	MGA 3,179.59	MGA 3,020.95	MGA 3,152.87	MGA 3,202.42
		M	EUR 1 =	MGA 3,508.46	MGA 3,557.77	MGA 3,663.11	MGA 3,792.67
<b>Malawi</b>							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 707.6550	MWK 716.2137	MWK 716.2039	MWK 716.1289
		S	USD 1 =	MWK 725.5648	MWK 734.7865	MWK 734.7765	MWK 734.6995
	MWK	B	EUR 1 =	MWK 780.5850	MWK 843.6281	MWK 833.5181	MWK 849.5437
		S	EUR 1 =	MWK 800.3427	MWK 865.5050	MWK 855.1329	MWK 871.5740

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 53. <sup>1</sup> 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		
					September 2017	October 2017	November 2017
<b>Malaysia</b>							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 4.0849	MYR 4.1611	MYR 4.1680	MYR 4.0232
		S	USD 1 =	MYR 4.2091	MYR 4.2929	MYR 4.3001	MYR 4.1508
	MYR	B	EUR 1 =	MYR 4.4830	MYR 4.8808	MYR 4.8340	MYR 4.7493
		S	EUR 1 =	MYR 4.6592	MYR 5.0759	MYR 5.0273	MYR 4.9391
<b>Maldives</b>							
Malé 667	Rufiyaa = 100 laari  MVR	M	USD 1 =	MVR 15.37	MVR 15.41	MVR 15.42	MVR 15.40
		V, M	EUR 1 =	MVR 16.95186	MVR 18.19305	MVR 17.94580	MVR 18.24746
<b>Mali 1</b>							
Bamako 232	CFA franc  XOF	V	USD 1 =	XOF 592.607	XOF 555.613	XOF 563.634	XOF 553.597
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Malta</b>							
Valletta 046	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Mauritania</b>							
Nouakchott 228	Ouguiya = 5 khoums  MRO	B	USD 1 =	MRO 351.33	MRO 354.07	MRO 352.32	MRO 352.41
		S	USD 1 =	MRO 354.85	MRO 357.62	MRO 355.85	MRO 355.94
	MRO	B	EUR 1 =	MRO 387.32	MRO 417.20	MRO 409.82	MRO 416.96
		S	EUR 1 =	MRO 391.20	MRO 421.39	MRO 413.93	MRO 421.15
<b>Mauritius</b>							
Port Louis 373	Mauritian rupee = 100 cents  MUR	B	USD 1 =	MUR 35.1574	MUR 33.2879	MUR 33.6751	MUR 33.2599
		S	USD 1 =	MUR 36.3850	MUR 34.5912	MUR 34.9729	MUR 34.5568
	MUR	B	EUR 1 =	MUR 38.7731	MUR 39.1904	MUR 39.1559	MUR 39.4666
		S	EUR 1 =	MUR 40.1439	MUR 40.6997	MUR 40.6764	MUR 41.0038
<b>Mexico</b>							
Mexico City 412	Mexican peso = 100 centavos  MXN	B	USD 1 =	MXN 18.7528	MXN 18.1725	MXN 19.1485	MXN 18.6545
		S	USD 1 =	MXN 18.7586	MXN 18.1785	MXN 19.1545	MXN 18.6605
	MXN	V, B	EUR 1 =	MXN 20.6145	MXN 21.4545	MXN 22.2850	MXN 22.1037
		V, S	EUR 1 =	MXN 20.6211	MXN 21.4615	MXN 22.2920	MXN 22.1108
<b>Moldova, Republic of</b>							
Chisinau 074	Moldovan leu = 100 bani  MDL	M	USD 1 =	MDL 19.9399	MDL 17.6117	MDL 17.3182	MDL 17.1834
		M	EUR 1 =	MDL 22.0525	MDL 20.7465	MDL 20.1489	MDL 20.3520
<b>Mongolia</b>							
Ulan Bator 716	Togrog = 100 mongo  MNT	M	USD 1 =	MNT 2,165.48	MNT 2,464.43	MNT 2,456.17	MNT 2,443.57
		M	EUR 1 =	MNT 2,382.89	MNT 2,906.67	MNT 2,859.23	MNT 2,898.68

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 <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month			
					September 2017	October 2017	November 2017	
<b>Morocco</b>								
Rabat 204	Moroccan dirham = 100 centimes	B	USD 1 =	MAD 9.7860	MAD 9.3927	MAD 9.4664	MAD 9.3383	
		S	USD 1 =	MAD 9.8449	MAD 9.4491	MAD 9.5233	MAD 9.3944	
	MAD	B	EUR 1 =	MAD 10.811	MAD 11.089	MAD 11.037	MAD 11.128	
		S	EUR 1 =	MAD 10.876	MAD 11.156	MAD 11.103	MAD 11.194	
	<b>Mozambique</b>							
	Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 63.35	MZN 60.70	MZN 60.20	MZN 60.07
S			USD 1 =	MZN 63.49	MZN 61.87	MZN 61.32	MZN 61.20	
MZN		B	EUR 1 =	MZN 69.84	MZN 71.36	MZN 70.05	MZN 71.11	
		S	EUR 1 =	MZN 69.99	MZN 72.74	MZN 71.36	MZN 72.46	
<b>Myanmar</b>								
Nay Pyi Taw 676		Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,241.08	MMK 1,360.00	MMK 1,366.00	MMK 1,364.00
	M		EUR 1 =	MMK 1,369.15	MMK 1,601.80	MMK 1,590.30	MMK 1,614.50	
<b>Namibia <sup>1</sup></b>								
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 14.6574	NAD 13.5520	NAD 14.0548	NAD 13.6693	
		M	EUR 1 =	NAD 16.1723	NAD 15.9586	NAD 16.3564	NAD 16.2152	
<b>Nepal</b>								
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 107.52	NPR 104.16	NPR 103.47	NPR 102.60	
		S	USD 1 =	NPR 108.12	NPR 104.76	NPR 104.07	NPR 103.20	
	NPR	B	EUR 1 =	NPR 118.49	NPR 123.03	NPR 120.39	NPR 121.44	
		S	EUR 1 =	NPR 119.15	NPR 123.74	NPR 121.09	NPR 122.15	
	<b>Netherlands</b>							
	Amsterdam Seat of Government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>New Caledonia <sup>1</sup></b>								
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.28	USD 9.89	USD 9.75	USD 9.93	
		2	XPF 1,000 =	EUR 8.38	EUR 8.38	EUR 8.38	EUR 8.38	
<b>New Zealand</b>								
Wellington 804	New Zealand dollar = 100 cents	B	NZD 1 =	USD 0.7109	USD 0.7372	USD 0.7011	USD 0.6990	
		S	NZD 1 =	USD 0.6855	USD 0.7111	USD 0.6760	USD 0.6740	
	NZD	B	NZD 1 =	EUR 0.6477	EUR 0.6277	EUR 0.6044	EUR 0.5912	
		S	NZD 1 =	EUR 0.6197	EUR 0.6009	EUR 0.5783	EUR 0.5657	

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

IV Overview of world currencies \*

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Nicaragua</b>							
Managua 432	Córdoba = 100 centavos  NIO	M	USD 1 =	NIO 28.6774	NIO 30.4146	NIO 30.5409	NIO 30.6636
		V, M	EUR 1 =	NIO 31.63069	NIO 35.90748	NIO 35.54350	NIO 36.33330
<b>Niger 1</b>							
Niamey 240	CFA franc  XOF	V	USD 1 =	XOF 592.607	XOF 555.613	XOF 563.634	XOF 553.597
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Nigeria 1</b>							
Abuja 288	Naira = 100 kobo  NGN	B	USD 1 =	NGN 253.31	NGN 304.75	NGN 304.80	NGN 305.00
		S	USD 1 =	NGN 254.31	NGN 305.75	NGN 305.80	NGN 306.00
		B	EUR 1 =	NGN 279.4240	NGN 359.8793	NGN 354.6958	NGN 361.0285
		S	EUR 1 =	NGN 280.5293	NGN 361.0602	NGN 355.8595	NGN 362.2122
<b>Norway</b>							
Oslo 028	Norwegian krone = 100 øre  NOK	B	USD 1 =	NOK 8.3694	NOK 7.9157	NOK 8.1238	NOK 8.2697
		S	USD 1 =	NOK 8.4325	NOK 7.9807	NOK 8.1888	NOK 8.3347
		B	EUR 1 =	NOK 9.2357	NOK 9.3389	NOK 9.4608	NOK 9.8150
		S	EUR 1 =	NOK 9.3054	NOK 9.4109	NOK 9.5328	NOK 9.8870
<b>Oman</b>							
Muscat 649	Rial Omani = 1,000 baisa  OMR	3 B	USD 1 =	OMR 0.3840	OMR 0.3840	OMR 0.3840	OMR 0.3840
		3 S	USD 1 =	OMR 0.3850	OMR 0.3850	OMR 0.3850	OMR 0.3850
		B	EUR 1 =	OMR 0.4231360	OMR 0.4505088	OMR 0.4465536	OMR 0.4555008
		S	EUR 1 =	OMR 0.4244048	OMR 0.4517590	OMR 0.4478320	OMR 0.4567640
<b>Pakistan</b>							
Islamabad 662	Pakistani rupee = 100 paisa  PKR	B	USD 1 =	PKR 104.40	PKR 105.25	PKR 105.35	PKR 105.40
		S	USD 1 =	PKR 104.60	PKR 105.45	PKR 105.55	PKR 105.60
		B	EUR 1 =	PKR 115.40	PKR 124.04	PKR 122.59	PKR 125.07
		S	EUR 1 =	PKR 115.62	PKR 124.27	PKR 122.82	PKR 125.30
<b>Panama 1</b>							
Panama City 442	Balboa = 100 centésimos  PAB	4	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1069	PAB 1.1806	PAB 1.1638	PAB 1.1849
<b>Papua New Guinea</b>							
Port Moresby 801	Kina = 100 toea  PGK	B	PGK 1 =	USD 0.3260	USD 0.3200	USD 0.3190	USD 0.3190
		S	PGK 1 =	USD 0.3110	USD 0.3050	USD 0.3040	USD 0.3040
		B	EUR 1 =	EUR 0.2938	EUR 0.2699	EUR 0.2723	EUR 0.2676
		S	EUR 1 =	EUR 0.2791	EUR 0.2550	EUR 0.2573	EUR 0.2527

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		
					September 2017	October 2017	November 2017
<b>Paraguay</b>							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,672.44	PYG 5,653.58	PYG 5,631.82	PYG 5,663.93
		S	USD 1 =	PYG 5,685.30	PYG 5,659.58	PYG 5,641.63	PYG 5,674.74
	PYG	V, B	EUR 1 =	PYG 6,272.17	PYG 6,674.62	PYG 6,554.31	PYG 6,711.19
		V, S	EUR 1 =	PYG 6,286.42	PYG 6,681.70	PYG 6,565.73	PYG 6,724.00
<b>Peru</b>							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.372	PEN 3.263	PEN 3.246	PEN 3.231
		S	USD 1 =	PEN 3.377	PEN 3.267	PEN 3.250	PEN 3.235
	PEN	B	EUR 1 =	PEN 3.628	PEN 3.797	PEN 3.720	PEN 3.821
		S	EUR 1 =	PEN 3.878	PEN 4.062	PEN 3.895	PEN 3.899
<b>Philippines</b>							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 46.87244	PHP 50.00	PHP 51.40	PHP 50.05
		S	USD 1 =	PHP 48.25174	PHP 51.10	PHP 51.90	PHP 50.55
	PHP	B	EUR 1 =	PHP 51.72197	PHP 58.90	PHP 58.96	PHP 58.58
		S	EUR 1 =	PHP 53.24397	PHP 61.51	PHP 61.55	PHP 61.19
<b>Poland</b>							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.9435	PLN 3.6519	PLN 3.6529	PLN 3.5543
		M	EUR 1 =	PLN 4.3757	PLN 4.3091	PLN 4.2498	PLN 4.2055
<b>Portugal</b>							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Qatar</b>							
Doha 644	Qatari riyal = 100 dirham QAR	2	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.014	QAR 4.297	QAR 4.236	QAR 4.313
<b>Romania</b>							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.0569	RON 3.8977	RON 3.9533	RON 3.9188
		M	EUR 1 =	RON 4.4934	RON 4.5991	RON 4.5985	RON 4.6422
<b>Russian Federation</b>							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 66.8335	RUB 58.0169	RUB 57.8716	RUB 58.3311
		M	EUR 1 =	RUB 73.2104	RUB 68.4483	RUB 67.2179	RUB 69.2040

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		
					September 2017	October 2017	November 2017
<b>Rwanda</b>							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 780.776613	RWF 829.411964	RWF 832.080233	RWF 834.845585
		S	USD 1 =	RWF 796.390569	RWF 845.998528	RWF 848.720157	RWF 851.540811
	RWF	B	EUR 1 =	RWF 862.393156	RWF 976.964352	RWF 968.458183	RWF 990.502545
		S	EUR 1 =	RWF 879.639277	RWF 996.501666	RWF 987.825391	RWF 1,010.310595
<b>Saint Helena, Ascension and Tristan da Cunha</b>							
Jamestown 329	Saint Helena pound <sup>2</sup> = 100 pence  SHP	V	USD 1 =	SHP 0.74034	SHP 0.74689	SHP 0.75488	SHP 0.74255
		V	EUR 1 =	SHP 0.81948	SHP 0.88178	SHP 0.87853	SHP 0.87985
<b>Saint Kitts and Nevis</b>							
Basseterre 449	East Caribbean dollar = 100 cents	<sup>3</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		<sup>3</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 3.1737	XCD 3.1285	XCD 3.1852
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2076	XCD 3.1619	XCD 3.2193
<b>Saint Lucia</b>							
Castries 465	East Caribbean dollar = 100 cents	<sup>3</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		<sup>3</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 3.1737	XCD 3.1285	XCD 3.1852
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2076	XCD 3.1619	XCD 3.2193
<b>Saint Vincent and the Grenadines</b>							
Kingstown 467	East Caribbean dollar = 100 cents	<sup>3</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		<sup>3</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9756	XCD 3.1737	XCD 3.1285	XCD 3.1852
		V, S	EUR 1 =	XCD 3.0073	XCD 3.2076	XCD 3.1619	XCD 3.2193
<b>Samoa</b>							
Apia 819	Tala = 100 sene  WST	M	WST 1 =	USD 0.38973	USD 0.39954	USD 0.39110	USD 0.39044
		M	WST 1 =	EUR 0.35372	EUR 0.33898	EUR 0.33630	EUR 0.32939
<b>Sao Tome and Principe <sup>1</sup></b>							
São Tomé 311	Dobra = 100 céntimos	B	USD 1 =	STD 22,258.97	STD 20,801.49	STD 21,098.86	STD 20,715.31
		S	USD 1 =	STD 22,592.85	STD 21,113.52	STD 21,415.35	STD 21,026.04
	STD	4	EUR 1 =	STD 24,500.00	STD 24,500.00	STD 24,500.00	STD 24,500.00
<b>Saudi Arabia</b>							
Riyadh 632	Saudi riyal = 100 halalah	<sup>3</sup> B	USD 1 =	SAR 3.7440	SAR 3.7440	SAR 3.7440	SAR 3.7440
		<sup>3</sup> S	USD 1 =	SAR 3.7540	SAR 3.7540	SAR 3.7540	SAR 3.7540
	SAR	B	EUR 1 =	SAR 4.0229	SAR 4.3020	SAR 4.2490	SAR .
		S	EUR 1 =	SAR 4.2856	SAR 4.5264	SAR 4.4711	SAR .

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

<sup>2</sup> Value (1:1) against the pound sterling. <sup>3</sup> Value against the US dollar. <sup>4</sup> Value against the euro.

#### IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Senegal <sup>1</sup></b>							
Dakar 248	CFA franc	V	USD 1 =	XOF 592.607	XOF 555.613	XOF 563.634	XOF 553.597
	XOF	2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Serbia</b>							
Belgrade 098	Serbian dinar = 100 para	B	USD 1 =	RSD 111.1409	RSD 101.0253	RSD 102.2045	RSD 100.3343
		S	USD 1 =	RSD 111.8098	RSD 101.6333	RSD 102.8195	RSD 100.9381
	RSD	B	EUR 1 =	RSD 122.7830	RSD 119.0078	RSD 118.9558	RSD 119.0567
		S	EUR 1 =	RSD 123.5219	RSD 119.7240	RSD 119.6716	RSD 119.7731
<b>Seychelles</b>							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 12.9885	SCR 13.4183	SCR 13.5033	SCR 13.4975
		S	USD 1 =	SCR 13.5165	SCR 13.8732	SCR 13.9288	SCR 13.9677
	SCR	B	EUR 1 =	SCR 14.4673	SCR 16.0032	SCR 15.9131	SCR 16.2183
		S	EUR 1 =	SCR 14.8800	SCR 16.3478	SCR 16.2188	SCR 16.5701
<b>Sierra Leone</b>							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 6,285.30	SLL 7,412.18 <sup>4</sup>	SLL 7,464.14	SLL 7,442.53
		S	USD 1 =	SLL 6,412.28	SLL 7,561.92 <sup>4</sup>	SLL 7,614.93	SLL 7,592.89
	SLL	B	EUR 1 =	SLL 6,925.75 <sup>V</sup>	SLL 8,687.03 <sup>4</sup>	SLL 8,693.80	SLL 8,830.19
		S	EUR 1 =	SLL 7,065.66 <sup>V</sup>	SLL 8,851.83 <sup>4</sup>	SLL 8,864.63	SLL 9,004.35
<b>Singapore <sup>1</sup></b>							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3835	SGD 1.3584	SGD 1.3605	SGD 1.3476
		M	EUR 1 =	SGD 1.5254	SGD 1.6007	SGD 1.5831	SGD 1.5991
<b>Sint Maarten (southern part)</b>							
Philipsburg 479	Netherlands Antillean guilder = 100 cent	<sup>3</sup> B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		<sup>3</sup> S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 196.48	ANG 210.27	ANG 206.82	ANG 211.04
		S	EUR 100 =	ANG 200.44	ANG 214.51	ANG 210.98	ANG 215.29
<b>Slovakia</b>							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Slovenia</b>							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Solomon Islands</b>							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1256	USD 0.1280	USD 0.1270	USD 0.1263
		M	SBD 1 =	EUR 0.1140	EUR 0.1086	EUR 0.1092	EUR 0.1066

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

<sup>2</sup> Value against the euro. <sup>3</sup> Value against the US dollar. <sup>4</sup> Exchange rate of the previous month; no rates available for September 2017.

IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Somalia <sup>1</sup></b>							
Mogadishu 342	Somali shilling	M	USD 1 =	.	.	.	.
	SOS	M	EUR 1 =	.	.	.	.
<b>South Africa</b>							
Pretoria Seat of Parliament: Cape Town 388	South African rand = 100 cents	B	USD 1 =	ZAR 14.5296	ZAR 13.3438	ZAR 13.9638	ZAR 13.4738
		S	USD 1 =	ZAR 14.8471	ZAR 13.6613	ZAR 14.2813	ZAR 13.7913
	ZAR	B	EUR 1 =	ZAR 15.8664	ZAR 15.7185	ZAR 16.2208	ZAR 15.9574
		S	EUR 1 =	ZAR 16.2975	ZAR 16.1584	ZAR 16.6565	ZAR 16.3979
<b>South Sudan <sup>1</sup></b>							
Juba 225	South Sudanese pound = 100 piastres	B	USD 1 =	SSP 30.9462 <sup>2</sup>	SSP .	SSP .	SSP .
		S	USD 1 =	SSP 31.4204 <sup>2</sup>	SSP .	SSP .	SSP .
	SSP	B	EUR 1 =	SSP 34.3887 <sup>2</sup>	SSP .	SSP .	SSP .
		S	EUR 1 =	SSP 34.9252 <sup>2</sup>	SSP .	SSP .	SSP .
<b>Spain</b>							
Madrid 011	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1069	USD 1.1806	USD 1.1638	USD 1.1849
<b>Sri Lanka</b>							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 144.14	LKR 151.11	LKR 151.60	LKR 151.68
		S	USD 1 =	LKR 147.97	LKR 154.91	LKR 155.40	LKR 155.48
	LKR	B	EUR 1 =	LKR 158.29	LKR 176.96	LKR 175.34	LKR 178.89
		S	EUR 1 =	LKR 164.52	LKR 183.61	LKR 181.93	LKR 185.59
<b>Sudan <sup>1</sup></b>							
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 7.8230	SDG 7.7542	SDG 7.9016
		S	EUR 1 =	SDG 6.8608	SDG 7.8621	SDG 7.7929	SDG 7.9411
<b>Suriname</b>							
Paramaribo 492	Suriname dollar = 100 cent	B	USD 1 =	SRD 6.320	SRD 7.376	SRD 7.386	SRD 7.386
		S	USD 1 =	SRD 6.434	SRD 7.500	SRD 7.510	SRD 7.510
	SRD	B	EUR 1 =	SRD 6.958	SRD 8.678	SRD 8.567	SRD 8.726
		S	EUR 1 =	SRD 7.084	SRD 8.814	SRD 8.701	SRD 8.862
<b>Swaziland <sup>1</sup></b>							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 14.6400	SZL 13.5013	SZL 13.9938	SZL 14.0588
		S	USD 1 =	SZL 14.6839	SZL 13.5513	SZL 14.0438	SZL 14.1088
	SZL	B	EUR 1 =	SZL 16.14487	SZL 15.9207	SZL 16.2915	SZL 16.5092
		S	EUR 1 =	SZL 16.19715	SZL 15.9851	SZL 16.3511	SZL 16.5693
<b>Sweden</b>							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.5274	SEK 8.0761	SEK 8.3030	SEK 8.3073
		S	USD 1 =	SEK 8.5949	SEK 8.1436	SEK 8.4080	SEK 8.4123
	SEK	B	EUR 1 =	SEK 9.4489	SEK 9.5503	SEK 9.6712	SEK 9.8534
		S	EUR 1 =	SEK 9.5004	SEK 9.6018	SEK 9.7862	SEK 9.9684

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

#### IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Switzerland</b>							
Berne 039	Swiss franc = 100 rappen / centimes	B	USD 1 =	CHF 0.9852	CHF 0.9709	CHF 0.9978	CHF 0.9869
		B	EUR 1 =	CHF 1.0902	CHF 1.1453	CHF 1.1607	CHF 1.1678
	CHF						
<b>Syrian Arab Republic</b>							
Damascus 608	Syrian pound = 100 piastres	B	USD 1 =	SYP 467.91	SYP 514.85 <sup>3</sup>	SYP 508.00	SYP 434.00
		S	USD 1 =	SYP 470.72	SYP 520.00 <sup>3</sup>	SYP 512.00	SYP 437.47
	SYP	B	EUR 1 =	SYP 515.56	SYP 615.62 <sup>3</sup>	SYP 589.69	SYP 517.55
		S	EUR 1 =	SYP 519.18	SYP 621.78 <sup>3</sup>	SYP 594.33	SYP 521.69
<b>Tajikistan</b>							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 7.8496	TJS 8.8001	TJS 8.7986	TJS 8.8110
		M	EUR 1 =	TJS 8.6825	TJS 10.3956	TJS 10.2381	TJS 10.4305
<b>Tanzania, United Republic of</b>							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,166.1774	TZS 2,226.6337	TZS 2,226.6436	TZS 2,221.5644
		S	USD 1 =	TZS 2,187.8392	TZS 2,248.9000	TZS 2,248.9100	TZS 2,243.7800
		B	EUR 1 =	TZS 2,386.6230	TZS 2,622.9745	TZS 2,584.2425	TZS 2,628.7771
		S	EUR 1 =	TZS 2,411.1094	TZS 2,649.4291	TZS 2,610.5347	TZS 2,655.2893
<b>Thailand</b>							
Bangkok 680	Thai baht = 100 satang	B	USD 1 =	THB 35.1247	THB 33.2043	THB 33.0586	THB 32.4383
		S	USD 1 =	THB 35.4649	THB 33.5324	THB 33.4000	THB 32.7620
	THB	B	EUR 1 =	THB 38.5268	THB 38.9463	THB 38.2950	THB 38.3076
		S	EUR 1 =	THB 39.2756	THB 39.6762	THB 39.0362	THB 39.0211
<b>Togo <sup>1</sup></b>							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 592.607	XOF 555.613	XOF 563.634	XOF 553.597
		2	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Tonga</b>							
Nuku'alofa 817	Pa'anga = 100 seniti TOP	M	TOP 1 =	USD 0.4499	USD 0.4604	USD 0.4497	USD 0.4484
		M	TOP 1 =	EUR 0.4071	EUR 0.3910	EUR 0.3863	EUR 0.3773
<b>Trinidad and Tobago</b>							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.6274	TTD 6.7251	TTD 6.7217	TTD 6.7403
		S	USD 1 =	TTD 6.6648	TTD 6.7591	TTD 6.7533	TTD 6.7577
		B	EUR 1 =	TTD 7.2338	TTD 7.8366	TTD 7.7527	TTD 7.8880
		S	EUR 1 =	TTD 7.7041	TTD 8.2685	TTD 8.2861	TTD 8.4983

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 53. <sup>1</sup> Explanatory notes on individual countries, see p 57 ff. <sup>2</sup> Value against the euro. <sup>3</sup> 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		
					September 2017	October 2017	November 2017
<b>Tunisia</b>							
Tunis 212	Tunisian dinar = 1,000 millimes	B S	USD 1 =	TND 2.1357	TND 2.4552	TND 2.4856	TND 2.4615
			USD 1 =	TND 2.1380	TND 2.4577	TND 2.4880	TND 2.4639
	TND	B S	EUR 1 =	TND 2.3595	TND 2.8976	TND 2.8915	TND 2.9213
			EUR 1 =	TND 2.3620	TND 2.9005	TND 2.8943	TND 2.9243
<b>Turkey</b>							
Ankara 052	Turkish lira = 100 kuruş	B S	USD 1 =	TRY 3.0218	TRY 3.5720	TRY 3.7700	TRY 3.9505
			USD 1 =	TRY 3.0272	TRY 3.5784	TRY 3.7768	TRY 3.9576
	TRY	B S	EUR 1 =	TRY 3.3408	TRY 4.2023	TRY 4.3848	TRY 4.6853
			EUR 1 =	TRY 3.3468	TRY 4.2099	TRY 4.3927	TRY 4.6938
<b>Turkmenistan</b>							
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 4.1321	TMT 4.0716	TMT 4.1545
<b>Uganda</b>							
Kampala 350	Uganda shilling	B S	USD 1 =	UGX 3,423.30	UGX 3,598.08	UGX 3,645.25	UGX 3,629.92
			USD 1 =	UGX 3,433.30	UGX 3,608.08	UGX 3,655.25	UGX 3,639.92
	UGX	B S	EUR 1 =	UGX 3,766.57	UGX 4,240.34	UGX 4,238.33	UGX 4,301.09
			EUR 1 =	UGX 3,777.58	UGX 4,252.12	UGX 4,249.96	UGX 4,312.94
<b>Ukraine</b>							
Kyiv 072	Hryvnia = 100 kopiyok	M	USD 100 =	UAH 2,558.7328	UAH 2,652.1094	UAH 2,682.9390	UAH 2,701.3930
			EUR 100 =	UAH 2,831.1578	UAH 3,123.6545	UAH 3,115.4288	UAH 3,194.9375
<b>United Arab Emirates <sup>1</sup></b>							
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 4.3358	AED 4.2741	AED 4.3515
<b>United Kingdom <sup>1</sup></b>							
London 006	Pound sterling = 100 pence	M	GBP 1 =	USD 1.3542	USD 1.3416	USD 1.3280	USD 1.3530
			EUR 1 =	GBP 0.8227	GBP 0.8811	GBP 0.8772	GBP 0.8812
<b>United States</b>							
Washington 400	US dollar = 100 cents	M	EUR 1 =	USD 1.10344	USD 1.1812	USD 1.1644	USD 1.1902
			GBP 1 =	USD 1.35493	USD 1.3396	USD 1.3282	USD 1.3525

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

#### IV Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2016	Rate at end of month		
					September 2017	October 2017	November 2017
<b>Uruguay</b>							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 30.084	UYU 28.951	UYU 29.147	UYU 28.969
		M	EUR 1 =	UYU 33.2936	UYU 34.2273	UYU 33.9606	UYU 34.5035
<b>Uzbekistan</b>							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 2,973.82	UZS 8,066.96	UZS 8,078.12	UZS 8,095.88
		M	EUR 1 =	UZS 3,310.38	UZS 9,626.30	UZS 9,381.12	UZS 9,653.53
<b>Vanuatu</b>							
Port Vila 816	Vatu  VUV	B	USD 1 =	VUV 108.99	VUV 105.90	VUV 107.72	VUV 108.22
		S	USD 1 =	VUV 114.61	VUV 111.77	VUV 113.70	VUV 114.22
		B	EUR 1 =	VUV 120.03	VUV 125.05	VUV 125.75	VUV 128.48
		S	EUR 1 =	VUV 124.65	VUV 129.97	VUV 130.69	VUV 133.54
<b>Venezuela, Bolivarian Republic of <sup>1</sup></b>							
Caracas 484	Bolívar = 100 céntimos  VEF	<sup>2</sup> B	USD 1 =	VEF 9.975	–	–	–
		S	USD 1 =	VEF 10.000	–	–	–
		B	EUR 1 =	VEF 11.043023	–	–	–
		S	EUR 1 =	VEF 11.074900	–	–	–
		<sup>3</sup> B	USD 1 =	VEF 574.2342	VEF 3,336.6375	VEF 3,336.6375	VEF 3,336.6375
		S	USD 1 =	VEF 575.6734	VEF 3,345.0000	VEF 3,345.0000	VEF 3,345.0000
B	EUR 1 =	VEF 633.275665	VEF 3,942.9045	VEF 3,886.1817	VEF 3,969.5976		
S	EUR 1 =	VEF 635.097637	VEF 3,954.1245	VEF 3,896.9250	VEF 3,980.8845		
<b>Viet Nam</b>							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 22,332	VND 22,690	VND 22,675	VND 22,685
		S	USD 1 =	VND 22,403	VND 22,760	VND 22,745	VND 22,755
		B	EUR 1 =	VND 24,544.09	VND 26,731.93	VND 26,331.60	VND 26,769.86
		S	EUR 1 =	VND 24,785.72	VND 27,450.55	VND 26,591.44	VND 27,047.05
<b>Yemen</b>							
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 293.36	YER 290.70	YER 296.31
		S	EUR 1 =	YER 266.27	YER 293.95	YER 291.28	YER 296.91
<b>Zambia</b>							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 10.2260	ZMW 9.6284	ZMW 9.9900	ZMW 10.1007
		S	USD 1 =	ZMW 10.2640	ZMW 9.6784	ZMW 10.0400	ZMW 10.1505
		B	EUR 1 =	ZMW 11.2881	ZMW 11.3539	ZMW 11.6264	ZMW 11.9653
		S	EUR 1 =	ZMW 11.3329	ZMW 11.4167	ZMW 11.6876	ZMW 12.0274

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

2016). <sup>3</sup> DICOM (the annual averages relate to the period March to December 2016).



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

1 End-of-year and end-of-month 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
1999	1.37251	1.36467	11.3508	140.111	0.848150	1.98094	2.19297	10.1549	11.0218	11.6873
2000	1.30291	1.40022	10.7847	149.704	0.873149	1.95462	2.13221	10.4500	11.5288	12.4232
2001	1.25673	1.42474	10.3925	165.491	0.866469	2.00147	2.10605	10.5685	11.3251	13.3943
2002	1.35952	1.29639	11.2123	162.414	0.843483	2.14750	1.88539	9.62844	9.47006	11.9542
2003	1.48597	1.17654	12.2989	158.575	0.832619	1.92047	1.83800	8.82099	9.91886	10.7715
2004	1.55301	1.14016	12.8107	161.161	0.804085	1.86920	1.75738	8.46296	9.37796	10.2351
2005	1.42927	1.21155	11.5345	168.610	0.830055	1.66418	1.87848	9.03881	9.67427	11.3363
2006	1.50440	1.14229	11.7474	178.948	0.766377	1.75308	1.83582	8.51702	9.41017	10.3390
2007	1.58025	1.07346	11.5302	179.947	0.788780	1.56144	1.77857	8.02021	8.55074	10.2088
2008	1.54027	1.10675	10.5271	140.464	1.056570	1.88621	1.63839	8.18003	10.7802	12.0833
2009	1.56769	1.08822	10.7045	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070
2010	1.54003	1.15966	10.1995	125.436	0.997755	1.54142	1.44702	8.64469	9.06742	10.4761
2011	1.53527	1.18654	9.67352	119.321	0.992989	1.56254	1.44453	8.82099	9.20039	10.6293
2012	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.7693	11.3176
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2013 Oct	1.53804	1.12751	9.44742	151.466	0.959058	1.60402	1.39100	8.40986	9.13734	9.87547
Nov	1.53521	1.12916	9.41540	155.624	0.940751	1.62655	1.38905	8.42197	9.31897	10.0835
Dec	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014 Feb	1.54740	1.12025	9.47230	157.526	0.927257	1.71375	1.36450	8.35988	9.26999	10.0439
Mar	1.54563	1.12100	9.50887	158.968	0.928695	1.70838	1.36633	8.36925	9.25386	10.0571
Apr	1.54969	1.11891	9.54299	158.967	0.921285	1.69800	1.36698	8.35143	9.25566	10.1799
May	1.54047	1.13212	9.50390	156.573	0.920785	1.67403	1.38149	8.45059	9.21837	10.2538
June	1.54589	1.13186	9.51158	156.599	0.907482	1.65039	1.37631	8.43889	9.51158	10.4202
July	1.53131	1.14456	9.44430	157.388	0.907013	1.66759	1.39226	8.53424	9.62001	10.5544
Aug	1.51838	1.15134	9.36040	157.472	0.915131	1.64866	1.38856	8.57979	9.37937	10.5872
Sep	1.48258	1.17824	9.12159	162.150	0.916305	1.66168	1.42046	8.76978	9.56627	10.7314
Oct	1.47833	1.18040	9.08595	163.459	0.923728	1.66681	1.41757	8.78735	10.0216	10.8662
Nov	1.46424	1.17374	8.98368	172.546	0.929973	1.64522	1.41446	8.73218	9.98841	10.8774
Dec	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.7693	11.3176
2015 Jan	1.40980	1.24706	8.65194	166.667	0.934763	1.79285	1.30223	9.28315	11.0159	11.6534
Feb	1.40739	1.25213	8.65194	167.846	0.912176	1.76037	1.33534	9.34833	10.7357	11.7788
Mar	1.37949	1.28217	8.47314	165.691	0.932088	1.74961	1.34197	9.57735	11.1594	11.8956
Apr	1.40642	1.25405	8.59838	166.674	0.911718	1.70444	1.31598	9.35918	10.5145	11.6984
May	1.39050	1.26755	8.50933	172.075	0.911926	1.73326	1.30944	9.45555	10.8198	11.7894
June	1.40639	1.25694	8.59816	172.213	0.894767	1.75433	1.30823	9.37726	11.0497	11.5871
July	1.39470	1.27172	8.53170	172.901	0.895528	1.81966	1.34212	9.48902	11.4474	12.0354
Aug	1.40380	1.25172	8.96933	170.141	0.914997	1.85624	1.35382	9.34143	11.7142	11.8760
Sep	1.40374	1.25300	8.92961	168.378	0.923574	1.88016	1.36640	9.34719	11.9341	11.7748
Oct	1.39687	1.26793	8.86942	168.840	0.910075	1.82753	1.38137	9.45600	11.9096	11.8987
Nov	1.37217	1.29707	8.77855	168.502	0.914411	1.82951	1.41484	9.67661	11.9245	11.9797
Dec	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016 Jan	1.38050	1.26419	9.07853	167.040	0.965111	1.94374	1.40783	9.43450	11.9902	11.7571
Feb	1.38131	1.26866	9.04429	156.641	0.997049	1.86795	1.38394	9.46450	12.0578	11.7931
Mar	1.40882	1.23744	9.11129	158.675	0.978139	1.82738	1.35529	9.22041	11.6498	11.4779
Apr	1.41733	1.24294	9.19084	158.372	0.969847	1.77861	1.36390	9.25249	11.4537	11.3943
May	1.40288	1.25774	9.23753	155.846	0.959693	1.83777	1.38913	9.35454	11.7220	11.6901
June	1.39884	1.25999	9.29463	143.941	1.03710	1.81976	1.36527	9.37348	11.7190	11.8640
July	1.39338	1.25383	9.27042	144.912	1.05743	1.81711	1.35799	9.32523	11.9229	12.0072
Aug	1.39434	1.25255	9.31255	143.561	1.06131	1.82993	1.37245	9.32297	11.6193	11.9107
Sep	1.39581	1.25062	9.31064	141.089	1.07693	1.83089	1.35980	9.31871	11.2387	12.0301
Oct	1.37385	1.25511	9.30085	143.979	1.12879	1.84137	1.35874	9.33724	11.3393	12.3613
Nov	1.35376	1.27293	9.32175	152.149	1.08718	1.81756	1.37312	9.47104	11.4806	12.4014
Dec	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017 Jan	1.35883	1.26344	9.34798	154.363	1.09042	1.77055	1.34918	9.39655	11.2295	11.9779
Feb	1.35389	1.27762	9.30016	152.381	1.08834	1.79364	1.36080	9.49677	11.3315	12.2395
Mar	1.35685	1.26915	9.35008	152.035	1.08962	1.80596	1.35820	9.43984	11.6359	12.1213
Apr	1.37102	1.25437	9.45689	152.526	1.05940	1.87309	1.35759	9.33036	11.6961	12.1179
May	1.38432	1.23369	9.45340	153.590	1.07826	1.86883	1.34417	9.17835	11.6445	12.0657
June	1.39139	1.21923	9.43637	155.752	1.07207	1.80560	1.33406	9.06701	11.6696	11.7837
July	1.40775	1.20043	9.46925	155.627	1.07265	1.75757	1.36692	8.92698	11.1701	11.4494
Aug	1.41339	1.19526	9.32227	156.179	1.09769	1.77182	1.36463	8.89079	11.0907	11.2683
Sep	1.41330	1.19710	9.39576	159.222	1.05596	1.76379	1.37005	8.90916	11.2676	11.4598
Oct	1.40469	1.20698	9.31099	158.940	1.06263	1.81106	1.40216	8.98142	11.4951	11.7369
Nov	1.41542	1.19455	9.35209	158.527	1.05279	1.82419	1.39631	8.88936	11.7541	11.8326

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 Sep	1	1.41737	1.18907	9.32192	156.053	1.09593	1.75612	1.36039	8.84416	11.0055	11.3018
	5	1.41798	1.19258	9.28281	155.013	1.09412	1.75418	1.35913	8.87060	11.0657	11.2831
	6	1.42090	1.19093	9.26853	154.182	1.08906	1.74259	1.35738	8.85975	11.0476	11.3113
	7	1.42430	1.18979	9.24864	155.362	1.08808	1.73024	1.35536	8.85112	11.0577	11.3413
	8	1.43068	1.18630	9.22543	155.028	1.08430	1.73570	1.35285	8.82628	11.0437	11.3361
	11	1.42600	1.18863	9.28772	154.650	1.07908	1.72945	1.35370	8.84306	11.1386	11.3330
	12	1.42215	1.19178	9.29230	155.583	1.07114	1.72919	1.36455	8.86682	11.1542	11.3557
	13	1.42395	1.18870	9.29610	156.848	1.07350	1.73537	1.36628	8.84447	11.1717	11.3479
	14	1.41941	1.19429	9.29575	156.803	1.07182	1.73140	1.37272	8.88541	11.2203	11.3891
	15	1.42381	1.19017	9.32418	156.875	1.04827	1.73448	1.36771	8.85591	11.1101	11.3769
	18	1.42314	1.19111	9.33080	.	1.05079	1.74164	1.36465	8.86376	11.1261	11.3477
	19	1.42328	1.18884	9.37304	158.696	1.05432	1.74737	1.37048	8.84674	11.1062	11.3214
	20	1.42474	1.18659	9.36496	159.015	1.05279	1.74858	1.36889	8.82971	11.0875	11.3271
	21	1.41889	1.19185	9.36032	159.668	1.05259	1.75077	1.38087	8.86824	11.0871	11.3673
	22	1.42271	1.18946	9.37893	159.415	1.04943	1.75235	1.37932	8.85042	11.0849	11.3151
	25	1.41758	1.19456	9.37603	159.492	1.05170	1.74944	1.38115	8.88778	11.0765	11.3442
	26	1.41395	1.19958	9.37603	157.726	1.05267	1.74906	1.37393	8.92538	11.1373	11.4099
	27	1.41076	1.20157	9.36435	158.598	1.05077	1.75104	1.37422	8.94142	11.2173	11.4894
	28	1.41173	1.19861	9.41903	159.370	1.05196	.	1.37347	8.91790	11.2160	11.5105
	29	1.41330	1.19710	9.39576	159.222	1.05596	1.76379	1.37005	8.90916	11.2676	11.4598
Oct	2	1.40929	1.20001	.	158.912	1.05878	1.76232	1.36800	8.93025	11.2525	11.5238
	3	1.40915	1.19897	.	159.135	1.06278	1.76143	1.37279	8.92315	11.2565	11.5024
	4	1.41112	1.19718	.	158.892	1.06243	1.76093	1.37203	8.91019	11.1976	11.4499
	5	1.40891	1.19989	.	158.854	1.06881	1.76789	1.37622	8.93009	11.2190	11.4028
	6	1.40587	1.20088	.	158.863	1.07614	.	1.37705	8.93783	11.2547	11.4655
	10	1.41213	1.19702	9.31185	159.076	1.07068	1.76530	1.37908	8.90924	11.2215	11.4429
	11	1.41354	1.19488	9.29869	158.783	1.07127	1.76664	1.37580	8.89339	11.2067	11.3913
	12	1.41462	1.19317	9.31558	158.975	1.07437	1.76431	1.37897	8.88170	11.1681	11.4263
	13	1.41477	1.19794	9.31819	158.807	1.06453	1.76662	1.38081	8.91742	11.1875	11.4831
	16	1.41437	1.19831	9.31472	158.409	1.06331	1.77206	1.37943	8.92013	11.1602	11.4984
	17	1.41065	1.19963	9.32932	158.261	1.06835	1.77008	1.37849	8.93001	11.1877	11.4772
	18	1.40934	1.19954	9.33419	158.143	1.06935	1.75971	1.38228	8.92921	11.2247	11.4931
	19	1.41243	1.19354	9.35086	159.604	1.07270	1.76243	1.37811	8.88462	11.2420	11.5049
	20	1.41107	1.19400	9.33524	159.691	1.07078	1.77809	1.38637	8.88786	11.2409	11.5091
	23	1.40760	1.19897	9.34099	160.466	1.06855	1.77976	1.39014	8.92483	11.2563	11.5212
	24	1.40853	1.19763	9.34754	159.685	1.06877	1.78404	1.39008	8.91432	11.2437	11.5559
	25	1.40910	1.19568	9.36023	160.511	1.06396	1.79957	1.39853	8.89933	11.2851	11.6236
	26	1.41103	1.20057	9.35856	160.223	1.06743	1.81050	1.39805	8.93607	11.3893	11.5737
	27	1.40198	1.20808	9.32523	160.036	1.07001	.	1.40408	8.98893	11.5188	11.7126
	30	1.40352	1.20868	9.33367	159.637	1.06408	1.80170	1.40072	8.99378	11.4631	11.7024
	31	1.40469	1.20698	9.31099	158.940	1.06263	1.81106	1.40216	8.98142	11.4951	11.7369
Nov	1	1.40510	1.21004	9.29532	160.041	1.05671	1.81048	1.40567	9.00463	11.4482	11.7641
	2	1.40420	1.20584	9.27136	160.107	1.06889	1.80046	1.40293	8.97368	11.4359	11.7938
	3	1.40335	1.20387	9.29662	.	1.07195	1.79124	1.40209	8.95929	11.4178	11.7929
	6	1.40113	1.20892	9.29766	160.248	1.06859	1.78588	1.40351	8.99669	11.4097	11.8205
	7	1.40025	1.21108	9.28634	159.307	1.06617	1.79022	1.39815	9.01331	11.4499	11.7932
	8	1.40185	1.20953	9.30449	159.503	1.06865	1.78441	1.39975	9.00309	11.4579	11.7570
	9	1.40355	1.20684	9.31133	160.005	1.06970	1.78139	1.39850	8.98150	11.4088	11.7681
	10	1.40348	1.20429	9.32601	159.098	1.06647	1.78003	1.39562	8.96234	11.3878	11.7548
	13	1.40357	1.20416	9.32758	159.529	1.07208	.	1.39655	8.96089	11.4290	11.7619
	14	1.40643	1.19747	9.33899	159.840	1.07271	1.79080	1.39897	8.91083	11.4864	11.8143
	15	1.41294	1.19336	9.37330	160.312	1.07293	1.80474	1.39386	8.88170	11.6364	11.8490
	16	1.40925	1.19723	9.35183	159.288	1.06843	1.79610	1.39897	8.90948	11.5596	11.8607
	17	1.41094	1.19622	9.36005	159.352	1.06906	1.80361	1.39993	8.90107	11.6228	11.8694
	20	1.41093	1.19763	9.35970	158.025	1.06526	1.80501	1.39739	8.91202	11.6528	11.9004
	21	1.40861	1.20209	9.34798	158.610	1.06459	1.79993	1.40044	8.94526	11.6471	12.0045
	22	1.41085	1.20082	9.33315	158.480	1.06483	1.79587	1.39519	8.93655	11.6147	11.8996
	27	1.42002	1.18810	9.37286	158.190	1.06372	1.80839	1.39275	8.84228	11.5879	11.7661
	28	1.41745	1.19234	9.35804	157.592	1.06600	1.81533	1.39208	8.87367	11.6193	11.7817
	29	1.41648	1.19767	9.34370	157.867	1.05680	1.82060	1.39382	8.91337	11.6664	11.8200
	30	1.41542	1.19455	9.35209	158.527	1.05279	1.82419	1.39631	8.88936	11.7541	11.8326
Dec	1	1.41862	1.19362	9.37356	159.495	1.05064	1.80576	1.39309	8.88297	11.7873	11.8673
	4	1.41625	1.19364	9.37277	159.682	1.04869	1.79793	1.39345	8.88289	11.7774	11.8750
	5	1.41619	1.19540	9.36514	159.321	1.05591	1.79573	1.39381	8.89553	11.7422	11.9406
	6	1.41395	1.19654	9.35069	158.998	1.05815	1.80377	1.39868	8.90472	11.6752	11.8849
	7	1.41215	1.19816	9.34291	158.725	1.05930	1.81362	1.40198	8.91599	11.6824	11.9107
	8	1.41047	1.20121	9.33193	159.806	1.04828	1.81386	1.40623	8.93911	11.7317	11.9904

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

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					
<b>Pegged exchange rate within horizontal bands</b>								Tonga 5
<b>Other managed arrangement</b>	Cambodia Liberia		Syrian Arab Republic			Algeria Belarus China 11 Gambia Guinea Myanmar Rwanda Tajikistan		Angola Azerbaijan Egypt Haiti Kyrgyzstan Malaysia Pakistan South Sudan Vanuatu
<b>Floating</b>						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
<b>Free floating</b>							Australia Canada Chile Japan Mexico 12 Norway Poland Russian Federation Sweden United Kingdom	Somalia United States  <b>Euro area</b>  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-November 2017

ISO Code	Currency	Country <sup>1</sup> or territory	ISO Code	Currency	Country <sup>1</sup> or territory	ISO Code	Currency	Country <sup>1</sup> or territory
AED	United Arab Emirates dirham	United Arab Emirates	CUC	Convertible peso	Cuba <sup>1</sup>	GMD	Dalasi	Gambia
AFN	Afghani	Afghanistan	CUP	Cuban peso	Cuba	GNF	Guinean franc	Guinea
ALL	Albanian lek	Albania	CVE	Cabo Verde escudo	Cabo Verde	GTQ	Quetzal	Guatemala
AMD	Armenian dram	Armenia	CZK	Czech koruna	Czechia	GYD	Guyana dollar	Guyana
ANG	Netherlands Antillean guilder	Curaçao Sint Maarten (southern part)	DJF	Djibouti franc	Djibouti	HKD	Hong Kong dollar	Hong Kong
AOA	Kwanza	Angola	DKK	Danish krone	Denmark Faroe Islands Greenland	HNL	Lempira	Honduras
ARS	Argentine peso	Argentina	DOP	Dominican peso	Dominican Republic	HRK	Kuna	Croatia
AUD	Australian dollar	Australia Christmas Island Cocos Islands Kiribati Nauru Norfolk Island Tuvalu	DZD	Algerian dinar	Algeria	HTG	Gourde	Haiti
AWG	Aruban florin	Aruba	EGP	Egyptian pound	Egypt	HUF	Hungarian forint	Hungary
AZN	Azerbaijan manat	Azerbaijan	ERN	Nakfa	Eritrea	IDR	Indonesian rupiah	Indonesia
BAM	Convertible marka	Bosnia and Herzegovina	ETB	Birr	Ethiopia	ILS	New 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. <sup>1</sup> See Explanatory notes on individual countries, p 57 ff.



VII ISO currency codes \*

As of end-November 2017

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



## ■ 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](http://www.ecb.europa.eu/stats/exchange/effective/html/index.en.html)).

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

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

### ■ Indicators of the German economy's price competitiveness

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

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

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

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

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

Figures in %

As of August 2017

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

° Figures have been rounded. The ECB also publishes weighting schemes and indicators for a group of 12 countries as well as for a group of 18 countries. <sup>1</sup> Selected calculation periods; for a comprehensive overview, see [http://www.bundesbank.de/Navigation/EN/Statistics/External\\_sector/Effective\\_exchange\\_rates\\_of\\_the\\_euro/effective\\_exchange\\_rates\\_of\\_the\\_euro.html?nsc=true](http://www.bundesbank.de/Navigation/EN/Statistics/External_sector/Effective_exchange_rates_of_the_euro/effective_exchange_rates_of_the_euro.html?nsc=true)

## ■ Overview of world currencies

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

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

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

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

## ■ Value of the special drawing right

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

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

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

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

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

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

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

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

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

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

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

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

## Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 2016 (see Table VI, pp 46-47) is based on the IMF's *Annual Report on Exchange Arrangements and Exchange Restrictions 2016*, which can be purchased from the IMF (<http://www.imfbookstore.org>).

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

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

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

The monetary policy frameworks listed are as follows.

### Exchange rate anchor

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

### Monetary aggregate target

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

### Inflation-targeting framework

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

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

**Other**

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





# Explanatory notes on individual countries

## Angola

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

## Bangladesh

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

## Benin

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

## Bhutan

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

## Brunei Darussalam

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

## Burkina Faso

See Explanatory notes on Benin.

## Cameroon

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

## Central African Republic

See Explanatory notes on Cameroon.

## Chad

See Explanatory notes on Cameroon.

## Congo

See Explanatory notes on Cameroon.

## Cook Islands

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

## Côte d'Ivoire

See Explanatory notes on Benin.

## Cuba

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

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

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

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

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

## El Salvador

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

## Equatorial Guinea

See Explanatory notes on Cameroon.

## Ethiopia

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

We recorded the following exchange rates:

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

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

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

## Gabon

See Explanatory notes on Cameroon.

## Greece

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

## Guinea-Bissau

See Explanatory notes on Benin.

## India

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

## Iran, Islamic Republic of

Alongside the official, published exchange rate, there is a different, bureau de change rate. According to the German Embassy in Tehran, it was 41,400 Iranian rials to the US dollar and 49,940 Iranian rials to the euro at the end of November 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 November 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.

## **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.

A black market is still in existence and according to financial information providers, the exchange rate for the US dollar was more than 100,000 bolívar at the beginning of December 2017.