



# Exchange rate statistics November 2016

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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>EMU</b>	European Monetary Union
<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	Data unknown, not to be published or not meaningful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 member states 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 Eurosystem 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 EMU on 1 January 2001. <sup>3</sup> Until 31 December 2010; accession to EMU on 1 January 2011. <sup>4</sup> Until 31 December 2014; accession to EMU on 1 January 2015. <sup>5</sup> Until 31 December 2006; accession to EMU on 1 January 2007. <sup>6</sup> Until 31 December 2007; accession to EMU on 1 January 2008. <sup>7</sup> Until 31 December 2013; accession to EMU on 1 January 2014. <sup>8</sup> Until 31 December 2008; accession to EMU 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	Czech Republic Czech koruna CZK	Denmark Danish krone DKK	Hungary Hungarian forint HUF	Poland Polish zloty PLN	Romania Romanian leu RON
2016 Aug	1	1.9558	7.4855	27.029	7.4389	311.01	4.3510	4.4540
	2	1.9558	7.4927	27.032	7.4390	311.10	4.3241	4.4542
	3	1.9558	7.4963	27.034	7.4387	311.00	4.3130	4.4550
	4	1.9558	7.4827	27.027	7.4383	311.18	4.2940	4.4605
	5	1.9558	7.4843	27.022	7.4373	310.62	4.2841	4.4622
	8	1.9558	7.4799	27.027	7.4368	311.02	4.2786	4.4584
	9	1.9558	7.4855	27.027	7.4367	310.37	4.2669	4.4598
	10	1.9558	7.4827	27.025	7.4384	310.41	4.2684	4.4585
	11	1.9558	7.4952	27.020	7.4386	310.26	4.2604	4.4601
	12	1.9558	7.4916	27.018	7.4398	310.02	4.2658	4.4590
	15	1.9558	7.4925	27.023	7.4405	309.49	4.2695	4.4594
	16	1.9558	7.4830	27.020	7.4397	309.91	4.2696	4.4583
	17	1.9558	7.4759	27.023	7.4413	310.63	4.2907	4.4753
	18	1.9558	7.4826	27.024	7.4417	310.42	4.2925	4.4687
	19	1.9558	7.4851	27.022	7.4417	310.28	4.2992	4.4658
	22	1.9558	7.4890	27.024	7.4421	310.15	4.3019	4.4583
	23	1.9558	7.4862	27.023	7.4423	310.49	4.3126	4.4568
	24	1.9558	7.4920	27.022	7.4432	309.99	4.3039	4.4597
	25	1.9558	7.4916	27.026	7.4441	309.80	4.3123	4.4526
	26	1.9558	7.4893	27.024	7.4462	308.50	4.3244	4.4578
	29	1.9558	7.4852	27.023	7.4451	308.76	4.3314	4.4576
	30	1.9558	7.4846	27.025	7.4448	308.97	4.3436	4.4505
	31	1.9558	7.4785	27.026	7.4432	310.34	4.3533	4.4575
Sep	1	1.9558	7.4808	27.025	7.4418	310.05	4.3645	4.4558
	2	1.9558	7.4803	27.022	7.4403	310.13	4.3914	4.4525
	5	1.9558	7.5010	27.021	7.4407	309.33	4.3541	4.4495
	6	1.9558	7.4942	27.021	7.4415	309.80	4.3388	4.4513
	7	1.9558	7.4865	27.021	7.4441	308.65	4.3186	4.4525
	8	1.9558	7.4850	27.021	7.4429	308.06	4.3103	4.4514
	9	1.9558	7.4838	27.022	7.4428	308.61	4.3345	4.4495
	12	1.9558	7.4860	27.024	7.4434	309.98	4.3494	4.4499
	13	1.9558	7.4903	27.021	7.4437	309.80	4.3478	4.4460
	14	1.9558	7.5000	27.023	7.4442	309.95	4.3420	4.4475
	15	1.9558	7.5110	27.023	7.4463	310.25	4.3254	4.4483
	16	1.9558	7.5115	27.024	7.4471	309.14	4.3167	4.4501
	19	1.9558	7.5120	27.021	7.4503	307.76	4.2925	4.4475
	20	1.9558	7.5127	27.022	7.4520	309.12	4.2975	4.4513
	21	1.9558	7.5080	27.022	7.4546	308.55	4.2915	4.4495
	22	1.9558	7.5055	27.021	7.4543	306.37	4.2852	4.4498
	23	1.9558	7.5005	27.022	7.4552	305.51	4.2869	4.4475
	26	1.9558	7.5030	27.021	7.4539	306.52	4.3045	4.4498
	27	1.9558	7.5050	27.025	7.4501	306.94	4.2887	4.4483
	28	1.9558	7.5160	27.023	7.4511	307.95	4.2893	4.4506
	29	1.9558	7.5153	27.022	7.4523	308.65	4.3065	4.4530
	30	1.9558	7.5220	27.021	7.4513	309.79	4.3192	4.4537
Oct	3	1.9558	7.5053	27.021	7.4463	308.18	4.2933	4.4505
	4	1.9558	7.5070	27.021	7.4418	307.42	4.2936	4.4583
	5	1.9558	7.5080	27.028	7.4417	305.85	4.2941	4.4621
	6	1.9558	7.5120	27.021	7.4413	305.07	4.2928	4.4760
	7	1.9558	7.5035	27.021	7.4405	303.86	4.2813	4.5046
	10	1.9558	7.5050	27.021	7.4409	304.65	4.2821	4.5035
	11	1.9558	7.5095	27.021	7.4412	304.43	4.2712	4.4885
	12	1.9558	7.5120	27.025	7.4399	306.05	4.2974	4.4970
	13	1.9558	7.5120	27.021	7.4395	306.48	4.3020	4.5030
	14	1.9558	7.5073	27.029	7.4398	305.31	4.3020	4.5040
	17	1.9558	7.5065	27.024	7.4400	306.93	4.3281	4.5065
	18	1.9558	7.5023	27.021	7.4407	306.93	4.3184	4.5110
	19	1.9558	7.5075	27.021	7.4409	307.08	4.3180	4.5020
	20	1.9558	7.5075	27.021	7.4403	307.54	4.3282	4.5030
	21	1.9558	7.5080	27.021	7.4383	308.30	4.3251	4.5043
	24	1.9558	7.5083	27.021	7.4394	308.53	4.3166	4.5065
	25	1.9558	7.5030	27.021	7.4387	308.16	4.3042	4.4901
	26	1.9558	7.5010	27.021	7.4385	309.09	4.3245	4.4965
	27	1.9558	7.5010	27.022	7.4376	309.23	4.3292	4.5038
	28	1.9558	7.5068	27.022	7.4382	309.46	4.3307	4.5005
	31	1.9558	7.5093	27.024	7.4393	308.44	4.3278	4.5060
Nov	1	1.9558	7.5080	27.024	7.4389	307.73	4.3085	4.5055
	2	1.9558	7.5130	27.022	7.4395	308.06	4.3255	4.5028
	3	1.9558	7.5140	27.021	7.4406	307.88	4.3186	4.4988
	4	1.9558	7.5135	27.021	7.4412	306.13	4.3188	4.4995
	7	1.9558	7.5140	27.021	7.4408	306.05	4.3301	4.4988
	8	1.9558	7.5100	27.021	7.4418	305.57	4.3283	4.5073

\* 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	
9.5833	0.84540	1.4751	3.6361	1.4587	7.4136	8.6623	74.4640	2016 Aug 1	
9.5537	0.84310	1.4717	3.6549	1.4608	7.4233	8.6863	74.6730	2	
9.5146	0.83910	1.4750	3.6606	1.4672	7.4234	8.6898	74.9224	3	
9.5105	0.84603	1.4604	3.5894	1.4536	7.3961	8.6384	74.4740	4	
9.5043	0.84810	1.4567	3.5501	1.4529	7.4110	8.6521	74.4919	5	
9.5250	0.84955	1.4520	3.5239	1.4573	7.3848	8.5999	74.1000	8	
9.4875	0.85399	1.4463	3.5045	1.4567	7.3798	8.5950	74.0990	9	
9.4811	0.85541	1.4450	3.4911	1.4557	7.4169	8.6748	74.5310	10	
9.4310	0.86038	1.4460	3.5156	1.4559	7.4031	8.6506	74.5558	11	
9.4299	0.86050	1.4535	3.5287	1.4478	7.4173	8.6551	74.6069	12	
9.4601	0.86677	1.4577	3.5463	1.4446	7.4203	8.6725	74.7779	15	
9.4532	0.87060	1.4602	3.5741	1.4477	7.4772	8.7604	75.4101	16	
9.4951	0.86640	1.4780	3.6238	1.4529	7.4825	8.7457	75.3999	17	
9.4759	0.86073	1.4766	3.6484	1.4524	7.5066	8.7784	75.6332	18	
9.4936	0.86537	1.4877	3.6659	1.4547	7.5341	8.7821	76.0850	19	
9.4825	0.86240	1.4856	3.6339	1.4602	7.5195	8.7656	75.9920	22	
9.4673	0.85995	1.4823	3.6146	1.4625	7.5301	8.7914	76.0496	23	
9.4545	0.85130	1.4782	3.6463	1.4581	7.5013	8.7370	75.6268	24	
9.4956	0.85570	1.4840	3.6365	1.4597	7.5146	8.7553	75.6974	25	
9.4903	0.85450	1.4771	3.6441	1.4546	7.5318	8.7555	75.6470	26	
9.4940	0.85476	1.4790	3.6710	1.4536	7.4608	8.6637	75.0335	29	
9.5008	0.85170	1.4787	3.5991	1.4562	7.4565	8.6631	74.8703	30	
9.5159	0.84806	1.4806	3.6016	1.4583	7.4311	8.6357	74.5562	31	
9.5490	0.84050	1.4801	3.6026	1.4634	7.4452	8.6463	74.6330	Sep 1	
9.5985	0.84260	1.4810	3.6549	1.4643	7.4755	8.6815	74.7620	2	
9.5478	0.83643	1.4696	3.6258	1.4436	7.4496	8.6517	74.1400	5	
9.5360	0.83535	1.4625	3.6445	1.4405	7.4525	8.6543	74.1975	6	
9.5063	0.83968	1.4637	3.5944	1.4444	7.4876	8.7145	74.5655	7	
9.4945	0.84560	1.4632	3.5982	1.4546	7.5255	8.7615	74.9830	8	
9.5020	0.84558	1.4836	3.6552	1.4600	7.5276	8.7393	75.2030	9	
9.5587	0.84475	1.4930	3.6931	1.4722	7.4995	8.7091	75.1105	12	
9.5380	0.84763	1.4938	3.6809	1.4744	7.5138	8.7254	75.2370	13	
9.5343	0.85078	1.5022	3.7097	1.4799	7.4894	8.7038	75.0710	14	
9.5500	0.85198	1.5037	3.7439	1.4831	7.5102	8.7311	75.3090	15	
9.5570	0.85203	1.4949	3.6993	1.4817	7.4915	8.7099	75.2370	16	
9.5688	0.85500	1.4792	3.6440	1.4684	7.4469	8.6616	74.7835	19	
9.5763	0.86213	1.4812	3.6473	1.4792	7.4604	8.6753	74.9620	20	
9.5698	0.85693	1.4665	3.6137	1.4653	7.4384	8.6472	74.6800	21	
9.5833	0.85925	1.4674	3.5940	1.4623	7.4949	8.7157	74.8720	22	
9.5820	0.86435	1.4685	3.5931	1.4625	7.4797	8.6979	74.7110	23	
9.6075	0.87090	1.4751	3.6522	1.4825	7.5105	8.7342	75.0600	26	
9.6213	0.86413	1.4661	3.6215	1.4873	7.4826	8.7005	74.5795	27	
9.6165	0.86208	1.4637	3.6389	1.4829	7.4911	8.7041	74.5915	28	
9.6218	0.86138	1.4642	3.6300	1.4683	7.4820	8.7021	75.0305	29	
9.6210	0.86103	1.4657	3.6210	1.4690	7.4463	8.6547	74.3655	30	
9.5930	0.87318	1.4638	3.6409	1.4702	7.4962	8.7145	74.7660	Oct 3	
9.6005	0.87540	1.4564	3.5816	1.4697	7.4462	8.6565	74.2035	4	
9.6260	0.88155	1.4722	3.6374	1.4816	7.4829	8.6958	74.6349	5	
9.6320	0.88323	1.4762	3.6206	1.4769	7.4605	8.6764	74.6445	6	
9.6335	0.90353	1.4696	3.6087	1.4784	7.4322	8.6426	74.3105	7	
9.6618	0.90070	1.4690	3.5886	1.4790	7.4850	8.6588	74.2325	10	
9.7318	0.90233	1.4679	3.5634	1.4653	7.4440	8.5977	73.7760	11	
9.7318	0.89990	1.4553	3.5256	1.4598	7.4029	8.5494	73.6100	12	
9.7365	0.90430	1.4604	3.5337	1.4620	7.4261	8.5637	73.8375	13	
9.7068	0.89910	1.4421	3.4994	1.4485	7.4000	8.5363	73.4380	14	
9.7028	0.90485	1.4436	3.5147	1.4433	7.4075	8.5304	73.4565	17	
9.7025	0.89565	1.4332	3.5073	1.4382	7.4060	8.5294	73.3345	18	
9.6980	0.89338	1.4298	3.5063	1.4361	7.3963	8.5175	73.1890	19	
9.7040	0.89568	1.4314	3.4629	1.4460	7.3980	8.5181	73.3445	20	
9.6913	0.89320	1.4268	3.4340	1.4401	7.3625	8.4457	72.8250	21	
9.7050	0.89015	1.4282	3.4200	1.4547	7.3775	8.4478	72.7975	24	
9.7180	0.88998	1.4229	3.3872	1.4478	7.3685	8.4331	72.6370	25	
9.7368	0.89465	1.4220	3.4065	1.4602	7.3954	8.4732	73.0255	26	
9.8150	0.89158	1.4339	3.4261	1.4605	7.4082	8.4741	73.0135	27	
9.8620	0.89905	1.4424	3.4841	1.4623	7.4053	8.4687	72.9575	28	
9.8650	0.90050	1.4397	3.4836	1.4665	7.4156	8.4887	73.0940	31	
9.8800	0.90173	1.4341	3.5239	1.4730	7.4631	8.5504	73.5425	Nov 1	
9.8910	0.90063	1.4479	3.5967	1.4840	7.4983	8.6040	73.9710	2	
9.9068	0.88658	1.4434	3.5720	1.4814	7.4832	8.5810	73.8460	3	
9.9630	0.88808	1.4438	3.5996	1.4901	7.4955	8.6034	74.0395	4	
9.9833	0.89040	1.4397	3.5445	1.4813	7.4941	8.5800	73.8440	7	
9.9185	0.89088	1.4332	3.5364	1.4756	7.4919	8.5597	73.5085	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	
2016 Aug	1	14,549.55	4.2513	114.28	1,236.21	4.4954	20.9306	1.5545	9.4455	
	2	14,627.57	4.2704	113.72	1,239.02	4.5187	21.1050	1.5497	9.4363	
	3	14,738.64	4.2811	113.22	1,251.34	4.5413	21.1797	1.5577	9.4236	
	4	14,649.41	4.2612	112.66	1,241.88	4.5057	20.9694	1.5479	9.4118	
	5	14,617.71	4.2633	112.73	1,237.73	4.4927	21.0282	1.5473	9.4022	
	8	14,552.80	4.2435	113.59	1,229.38	4.4694	20.6443	1.5548	9.4065	
	9	14,547.53	4.2319	113.27	1,224.66	4.4668	20.5015	1.5522	9.3570	
	10	14,627.55	4.2597	113.09	1,223.53	4.4624	20.4917	1.5418	9.2571	
	11	14,610.43	4.2520	113.05	1,226.97	4.4676	20.5527	1.5390	9.2293	
	12	14,623.67	4.2553	113.77	1,234.19	4.4915	20.3881	1.5497	9.1635	
	15	14,641.33	4.2585	112.97	1,229.06	4.4757	20.2774	1.5498	9.1752	
	16	14,774.99	4.2662	112.74	1,232.41	4.4867	20.2785	1.5488	9.2101	
	17	14,827.94	4.2770	113.53	1,252.95	4.5172	20.4678	1.5596	9.2812	
	18	14,871.27	4.2787	113.60	1,257.07	4.5281	20.5540	1.5578	9.2389	
	19	14,941.26	4.2676	113.53	1,269.15	4.5534	20.7543	1.5606	9.3048	
	22	14,955.58	4.2725	113.73	1,270.24	4.5598	20.6901	1.5605	9.3281	
	23	14,991.29	4.2734	113.48	1,265.68	4.5645	20.6848	1.5482	9.2875	
	24	14,969.54	4.2506	112.95	1,264.96	4.5537	20.8945	1.5400	9.2460	
	25	14,973.93	4.2482	113.45	1,260.33	4.5474	20.8385	1.5453	9.2771	
	26	14,906.00	4.2444	113.33	1,258.02	4.5349	20.7197	1.5418	9.2501	
	29	14,819.24	4.2319	114.24	1,254.70	4.5183	20.7643	1.5438	9.2731	
	30	14,814.35	4.2241	114.27	1,244.47	4.5205	20.7542	1.5427	9.2873	
	31	14,786.64	4.2229	115.01	1,243.66	4.5519	20.9424	1.5353	9.2765	
	Sep	1	14,804.78	4.2059	115.59	1,250.35	4.5675	20.9550	1.5357	9.3050
		2	14,827.37	4.2135	115.83	1,248.91	4.5740	21.0145	1.5329	9.3170
		5	14,658.43	4.2058	115.24	1,234.36	4.5472	20.6487	1.5252	9.2458
		6	14,637.26	4.2005	115.39	1,233.76	4.5545	20.6702	1.5205	9.2113
		7	14,675.52	4.2248	114.23	1,224.94	4.5594	20.6223	1.5054	9.1943
		8	14,720.30	4.2351	114.80	1,230.87	4.5664	20.7145	1.5158	9.1950
		9	14,796.65	4.2293	115.85	1,244.18	4.6100	21.1869	1.5299	9.2470
		12	14,705.50	4.2332	114.38	1,252.33	4.6370	21.4395	1.5350	9.2713
13		14,830.30	4.2408	114.98	1,263.43	4.6377	21.3800	1.5352	9.2315	
14		14,845.90	4.2470	115.37	1,263.14	4.6333	21.4804	1.5440	9.2748	
15		14,827.15	4.2468	114.98	1,267.89	4.6551	21.6438	1.5442	9.2648	
16		14,770.61	4.2245	114.35	1,263.64	4.6441	21.7665	1.5367	9.2625	
19		14,701.10	4.2151	113.65	1,250.16	4.6178	21.8847	1.5267	9.2505	
20		14,698.01	4.2231	113.93	1,252.40	4.6310	21.9650	1.5220	9.2648	
21	14,646.08	4.2102	112.49	1,240.60	4.6125	22.0065	1.5170	9.2318		
22	14,691.06	4.2236	113.19	1,238.31	4.6156	22.0510	1.5341	9.1073		
23	14,663.99	4.2161	113.02	1,235.78	4.6028	22.0086	1.5435	9.1028		
26	14,674.39	4.2339	113.11	1,246.11	4.6501	22.3599	1.5513	9.1318		
27	14,511.95	4.2025	112.52	1,232.69	4.6355	21.9250	1.5388	9.1108		
28	14,533.57	4.2148	112.93	1,231.76	4.6434	21.8177	1.5459	9.0888		
29	14,559.25	4.2156	113.88	1,235.19	4.6270	21.7955	1.5451	9.0403		
30	14,566.22	4.1996	113.09	1,229.76	4.6148	21.7389	1.5369	8.9865		
Oct	3	14,587.14	4.2228	113.90	1,237.21	4.6272	21.6150	1.5454	8.9625	
	4	14,507.07	4.2079	114.50	1,238.16	4.6067	21.5831	1.5327	8.9175	
	5	14,612.32	4.2343	115.65	1,250.31	4.6397	21.6129	1.5612	8.9872	
	6	14,560.63	4.2301	116.00	1,249.22	4.6563	21.5700	1.5647	8.9938	
	7	14,466.31	4.2314	115.44	1,243.04	4.6343	21.5602	1.5590	9.0010	
	10	14,482.89	4.2292	115.39	1,240.60	4.6353	21.1388	1.5647	9.0448	
	11	14,451.84	4.2108	114.90	1,245.11	4.6354	20.9088	1.5657	9.0395	
	12	14,359.41	4.2053	114.50	1,239.66	4.6229	20.8564	1.5621	9.0290	
	13	14,434.94	4.2093	114.49	1,251.86	4.6490	20.9532	1.5623	9.0768	
	14	14,358.56	4.2026	114.76	1,246.06	4.6128	20.8448	1.5508	9.0248	
	17	14,355.97	4.2054	114.46	1,253.18	4.6367	20.8199	1.5433	9.0315	
	18	14,323.88	4.2084	114.37	1,238.27	4.6086	20.5713	1.5280	8.9565	
	19	14,267.21	4.2056	113.49	1,233.88	4.5971	20.4850	1.5232	8.9585	
	20	14,282.24	4.2182	113.76	1,237.37	4.5809	20.3810	1.5185	8.9625	
21	14,231.90	4.1993	112.96	1,238.63	4.5569	20.3075	1.5190	8.9538		
24	14,178.99	4.2057	113.29	1,234.29	4.5444	20.2263	1.5215	8.9855		
25	14,140.12	4.1863	113.65	1,230.63	4.5142	20.1024	1.5208	8.9868		
26	14,213.50	4.1938	113.97	1,240.92	4.5470	20.3468	1.5246	9.0425		
27	14,240.57	4.1989	114.39	1,249.16	4.5846	20.4611	1.5296	8.9858		
28	14,253.76	4.2121	115.10	1,251.01	4.5960	20.5575	1.5296	9.0445		
31	14,273.82	4.2138	114.97	1,254.89	4.5970	20.7150	1.5313	9.0345		
Nov	1	14,385.42	4.2134	115.57	1,258.44	4.6006	20.8180	1.5342	9.0213	
	2	14,480.74	4.2334	114.62	1,268.46	4.6366	21.4950	1.5232	9.0735	
	3	14,458.44	4.2207	114.25	1,266.04	4.6331	21.3426	1.5134	9.0575	
	4	14,519.46	4.2197	114.24	1,269.41	4.6661	21.2285	1.5169	9.1098	
	7	14,477.95	4.2173	115.40	1,264.69	4.6644	20.6389	1.5116	9.1035	
	8	14,456.30	4.2069	115.66	1,253.75	4.6562	20.4890	1.5060	9.0753	

\* 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	
52.474	73.8736	1.4966	15.5121	1.0807	38.806	3.3424	1.1164	2016 Aug 1
52.626	74.5098	1.4986	15.6368	1.0810	38.907	3.3512	1.1193	2
52.737	74.5458	1.5020	15.6581	1.0845	39.127	3.3742	1.1200	3
52.417	73.7722	1.4952	15.2998	1.0834	38.886	3.3664	1.1136	4
52.300	72.7967	1.4953	15.2536	1.0852	38.848	3.3471	1.1156	5
52.004	71.8090	1.4944	15.1284	1.0883	38.793	3.3082	1.1087	8
51.944	71.7804	1.4931	15.0072	1.0899	38.737	3.3015	1.1078	9
52.130	72.0826	1.4968	14.8482	1.0923	38.859	3.3030	1.1184	10
52.085	72.3675	1.4989	14.9080	1.0859	38.746	3.3050	1.1153	11
51.963	72.2194	1.5023	15.0700	1.0888	38.815	3.2998	1.1158	12
51.855	71.8869	1.5025	14.9346	1.0893	38.701	3.3007	1.1180	15
52.142	72.0053	1.5094	14.9524	1.0849	39.033	3.3045	1.1295	16
52.350	72.2019	1.5160	15.1708	1.0863	39.104	3.3086	1.1276	17
52.377	72.5612	1.5194	15.1227	1.0853	39.176	3.3205	1.1321	18
52.529	72.5897	1.5267	15.3019	1.0852	39.241	3.3262	1.1326	19
52.641	72.8855	1.5276	15.3625	1.0886	39.194	3.3266	1.1306	22
52.635	73.1995	1.5297	15.2793	1.0896	39.232	3.3247	1.1339	23
52.396	73.0561	1.5257	15.9380	1.0891	39.013	3.3290	1.1268	24
52.347	73.2200	1.5277	15.9528	1.0905	39.032	3.3219	1.1290	25
52.290	73.1392	1.5269	15.8622	1.0933	39.004	3.3160	1.1290	26
51.829	72.6695	1.5212	16.2300	1.0937	38.647	3.3048	1.1170	29
51.797	72.4564	1.5196	16.0537	1.0951	38.608	3.2977	1.1168	30
51.975	72.6624	1.5181	16.1731	1.0957	38.549	3.2931	1.1132	31
52.100	72.8322	1.5198	16.3512	1.0978	38.610	3.3003	1.1146	Sep 1
52.243	73.5963	1.5196	16.2567	1.0959	38.739	3.3125	1.1193	2
51.907	72.4024	1.5135	16.0116	1.0925	38.711	3.2872	1.1156	5
51.988	72.3400	1.5130	15.8513	1.0923	38.677	3.2821	1.1159	6
52.477	72.4813	1.5125	15.7627	1.0891	38.914	3.2939	1.1237	7
52.945	72.1488	1.5201	15.7057	1.0917	39.220	3.3179	1.1296	8
53.337	72.5475	1.5280	16.1404	1.0969	39.201	3.3440	1.1268	9
53.383	73.0373	1.5277	16.2563	1.0935	39.145	3.3473	1.1226	12
53.665	72.8200	1.5318	16.0811	1.0925	39.263	3.3505	1.1247	13
53.396	73.1292	1.5327	16.0776	1.0945	39.140	3.3470	1.1218	14
53.611	73.1961	1.5366	15.9998	1.0941	39.265	3.3484	1.1254	15
53.741	72.8966	1.5318	15.8680	1.0941	39.190	3.3384	1.1226	16
53.559	72.0211	1.5220	15.6637	1.0955	38.885	3.3243	1.1165	19
53.527	72.5141	1.5237	15.5144	1.0943	38.909	3.3275	1.1184	20
53.301	71.7138	1.5147	15.2889	1.0883	38.713	3.3168	1.1150	21
53.806	71.5987	1.5221	15.1567	1.0867	38.951	3.3153	1.1238	22
53.881	71.2201	1.5231	15.2370	1.0887	38.834	3.3059	1.1214	23
54.365	71.9272	1.5316	15.3985	1.0905	38.967	3.3563	1.1262	26
54.235	71.7263	1.5255	15.2031	1.0880	38.810	3.3424	1.1220	27
54.189	71.7039	1.5270	15.2492	1.0891	38.839	3.3438	1.1225	28
54.231	70.8848	1.5287	15.4740	1.0876	38.881	3.3661	1.1221	29
54.015	70.5140	1.5235	15.5238	1.0876	38.695	3.3576	1.1161	30
54.179	70.0010	1.5326	15.2641	1.0918	38.910	3.3861	1.1236	Oct 3
53.856	69.7125	1.5289	15.1834	1.0949	38.729	3.3883	1.1161	4
54.055	69.9836	1.5365	15.4086	1.0959	39.020	3.4235	1.1211	5
54.107	69.7269	1.5365	15.4574	1.0942	38.985	3.4141	1.1185	6
53.883	69.5692	1.5320	15.4629	1.0946	38.890	3.3985	1.1140	7
54.027	69.6779	1.5337	15.4550	1.0960	39.172	3.4268	1.1160	10
53.817	69.1597	1.5277	15.8020	1.0938	39.209	3.4139	1.1079	11
53.557	68.9576	1.5240	15.8622	1.0906	39.397	3.4039	1.1020	12
53.439	69.8060	1.5275	15.7803	1.0904	39.273	3.4196	1.1038	13
53.227	69.2807	1.5263	15.6303	1.0889	38.804	3.3969	1.1002	14
53.357	69.0709	1.5270	15.6533	1.0872	38.776	3.4017	1.0994	17
52.934	69.1488	1.5242	15.4413	1.0886	38.541	3.4078	1.0993	18
52.692	68.6223	1.5228	15.2650	1.0854	38.317	3.3724	1.0979	19
52.727	68.5407	1.5247	15.2739	1.0852	38.408	3.3606	1.0980	20
52.574	67.9165	1.5179	15.2751	1.0825	38.248	3.3527	1.0886	21
52.562	67.7970	1.5159	15.1167	1.0821	38.119	3.3501	1.0891	24
52.418	67.4963	1.5133	15.0403	1.0848	37.998	3.3407	1.0872	25
52.940	68.1000	1.5181	15.0219	1.0838	38.238	3.3702	1.0925	26
52.985	68.6064	1.5211	15.1421	1.0838	38.343	3.3845	1.0927	27
52.995	68.7678	1.5229	15.1610	1.0855	38.282	3.4058	1.0922	28
53.063	69.2498	1.5251	14.8482	1.0820	38.327	3.3965	1.0946	31
53.228	69.3698	1.5308	14.8790	1.0823	38.610	3.4195	1.1025	Nov 1
53.639	70.3983	1.5360	14.8423	1.0787	38.783	3.4580	1.1095	2
53.556	70.5482	1.5332	14.8945	1.0787	38.691	3.4431	1.1064	3
53.837	71.0672	1.5357	15.0121	1.0774	38.803	3.4930	1.1093	4
53.892	70.4750	1.5376	14.8845	1.0789	38.728	3.5068	1.1062	7
53.684	70.4040	1.5347	14.7318	1.0778	38.589	3.4993	1.1038	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	Czech Republic	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
2011 Oct	1.9558	7.4849	24.841	7.4442	296.79	4.3516	4.3244	9.1138	0.87036	1.3525
Nov	1.9558	7.4923	25.464	7.4412	309.15	4.4324	4.3560	9.1387	0.85740	1.3414
Dec	1.9558	7.5136	25.514	7.4341	304.19	4.4774	4.3282	9.0184	0.84405	1.3003
2012 Jan	1.9558	7.5543	25.531	7.4353	307.33	4.3760	4.3417	8.8503	0.83210	1.2405
Feb	1.9558	7.5815	25.042	7.4341	290.68	4.1835	4.3513	8.8196	0.83696	1.2327
Mar	1.9558	7.5358	24.676	7.4354	292.26	4.1370	4.3668	8.8873	0.83448	1.2538
Apr	1.9558	7.4991	24.809	7.4393	294.81	4.1782	4.3789	8.8650	0.82188	1.2718
May	1.9558	7.5383	25.313	7.4335	293.67	4.2937	4.4412	8.9924	0.80371	1.2825
June	1.9558	7.5434	25.640	7.4325	293.57	4.2973	4.4626	8.8743	0.80579	1.2550
July	1.9558	7.5006	25.447	7.4384	286.28	4.1837	4.5549	8.5451	0.78827	1.1931
Aug	1.9558	7.4853	25.021	7.4454	278.93	4.0934	4.5176	8.2805	0.78884	1.1841
Sep	1.9558	7.4291	24.752	7.4539	284.22	4.1345	4.5022	8.4929	0.79821	1.2372
Oct	1.9558	7.5140	24.939	7.4582	282.09	4.1071	4.5624	8.6145	0.80665	1.2596
Nov	1.9558	7.5410	25.365	7.4587	282.26	4.1321	4.5273	8.6076	0.80389	1.2331
Dec	1.9558	7.5334	25.214	7.4604	285.79	4.0956	4.4899	8.6512	0.81237	1.2527
2013 Jan	1.9558	7.5746	25.563	7.4614	294.01	4.1424	4.3835	8.6217	0.83271	1.2658
Feb	1.9558	7.5868	25.475	7.4598	292.73	4.1700	4.3839	8.5083	0.86250	1.2951
Mar	1.9558	7.5909	25.659	7.4553	303.01	4.1565	4.3923	8.3470	0.85996	1.2537
Apr	1.9558	7.6076	25.841	7.4553	298.67	4.1359	4.3780	8.4449	0.85076	1.2539
May	1.9558	7.5684	25.888	7.4536	292.38	4.1799	4.3360	8.5725	0.84914	1.3133
June	1.9558	7.4901	25.759	7.4576	295.70	4.2839	4.4803	8.6836	0.85191	1.3978
July	1.9558	7.5061	25.944	7.4579	294.90	4.2745	4.4244	8.6609	0.86192	1.4279
Aug	1.9558	7.5372	25.818	7.4580	299.46	4.2299	4.4371	8.7034	0.85904	1.4742
Sep	1.9558	7.5985	25.789	7.4579	299.75	4.2371	4.4633	8.6758	0.84171	1.4379
Oct	1.9558	7.6193	25.662	7.4592	294.76	4.1902	4.4444	8.7479	0.84720	1.4328
Nov	1.9558	7.6326	26.927	7.4587	297.68	4.1887	4.4452	8.8802	0.83780	1.4473
Dec	1.9558	7.6365	27.521	7.4602	300.24	4.1760	4.4635	8.9597	0.83639	1.5243
2014 Jan	1.9558	7.6353	27.485	7.4614	302.48	4.1799	4.5205	8.8339	0.82674	1.5377
Feb	1.9558	7.6574	27.444	7.4622	310.20	4.1741	4.4918	8.8721	0.82510	1.5222
Mar	1.9558	7.6576	27.395	7.4638	311.49	4.1987	4.4933	8.8666	0.83170	1.5217
Apr	1.9558	7.6267	27.450	7.4656	307.37	4.1853	4.4620	9.0329	0.82520	1.4831
May	1.9558	7.5952	27.437	7.4641	304.58	4.1800	4.4237	9.0298	0.81535	1.4755
June	1.9558	7.5770	27.450	7.4588	305.87	4.1352	4.3930	9.0914	0.80409	1.4517
July	1.9558	7.6146	27.458	7.4564	309.81	4.1444	4.4098	9.2327	0.79310	1.4420
Aug	1.9558	7.6326	27.816	7.4551	313.91	4.1919	4.4252	9.1878	0.79730	1.4306
Sep	1.9558	7.6236	27.599	7.4449	313.20	4.1899	4.4095	9.1929	0.79113	1.4246
Oct	1.9558	7.6573	27.588	7.4448	307.85	4.2066	4.4153	9.1797	0.78861	1.4436
Nov	1.9558	7.6700	27.667	7.4415	306.89	4.2121	4.4288	9.2384	0.79054	1.4432
Dec	1.9558	7.6682	27.640	7.4402	310.83	4.2155	4.4583	9.4043	0.78830	1.4928
2015 Jan	1.9558	7.6883	27.895	7.4406	316.50	4.2783	4.4874	9.4167	0.76680	1.4390
Feb	1.9558	7.7114	27.608	7.4501	306.88	4.1760	4.4334	9.4901	0.74051	1.4568
Mar	1.9558	7.6467	27.379	7.4593	303.45	4.1259	4.4339	9.2449	0.72358	1.4008
Apr	1.9558	7.5896	27.439	7.4655	299.43	4.0180	4.4155	9.3254	0.72116	1.3939
May	1.9558	7.5591	27.397	7.4612	306.33	4.0811	4.4477	9.3037	0.72124	1.4123
June	1.9558	7.5719	27.307	7.4603	311.96	4.1586	4.4671	9.2722	0.72078	1.4530
July	1.9558	7.5863	27.094	7.4616	311.53	4.1524	4.4391	9.3860	0.70685	1.4844
Aug	1.9558	7.5578	27.041	7.4627	311.61	4.1953	4.4235	9.5155	0.71423	1.5269
Sep	1.9558	7.5890	27.089	7.4610	313.14	4.2176	4.4236	9.3924	0.73129	1.5900
Oct	1.9558	7.6208	27.105	7.4601	311.27	4.2508	4.4227	9.3485	0.73287	1.5586
Nov	1.9558	7.6074	27.039	7.4602	312.27	4.2494	4.4453	9.3133	0.70658	1.5011
Dec	1.9558	7.6397	27.027	7.4612	314.40	4.2900	4.5033	9.2451	0.72595	1.5009
2016 Jan	1.9558	7.6582	27.027	7.4619	314.68	4.4074	4.5311	9.2826	0.75459	1.5510
Feb	1.9558	7.6355	27.040	7.4628	310.37	4.3970	4.4814	9.4105	0.77559	1.5556
Mar	1.9558	7.5593	27.051	7.4569	311.15	4.2932	4.4666	9.2848	0.78020	1.4823
Apr	1.9558	7.4947	27.031	7.4427	311.46	4.3106	4.4724	9.2027	0.79230	1.4802
May	1.9558	7.4979	27.026	7.4386	314.58	4.4039	4.4991	9.2948	0.77779	1.5461
June	1.9558	7.5204	27.061	7.4371	313.98	4.3996	4.5230	9.3338	0.79049	1.5173
July	1.9558	7.4930	27.042	7.4390	314.35	4.3964	4.4856	9.4742	0.84106	1.4694
Aug	1.9558	7.4866	27.025	7.4408	310.21	4.3005	4.4591	9.4913	0.85521	1.4690
Sep	1.9558	7.5005	27.022	7.4475	308.68	4.3207	4.4502	9.5655	0.85228	1.4768
Oct	1.9558	7.5068	27.022	7.4402	307.00	4.3076	4.4942	9.7073	0.89390	1.4470

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

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

and non-European countries											
Brazil	Canada	China	Hong Kong	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia		Period
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Indian rupee INR	Indonesian rupiah IDR	New Israeli sheqel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR		
2.4336	1.3981	8.7308	10.6616	67.5519	12,150.54	5.0253	105.06	1,578.17	4.2963		2011 Oct
2.4210	1.3897	8.6154	10.5495	68.8330	12,214.99	5.0521	105.02	1,537.42	4.2756		Nov
2.4175	1.3481	8.3563	10.2496	69.2066	11,965.40	4.9725	102.55	1,513.26	4.1639		Dec
2.3084	1.3073	8.1465	10.0187	66.0601	11,709.25	4.9141	99.33	1,474.96	4.0151		2012 Jan
2.2729	1.3193	8.3314	10.2553	65.0589	11,913.82	4.9474	103.77	1,485.58	3.9978		Feb
2.3674	1.3121	8.3326	10.2474	66.5399	12,082.50	4.9679	108.88	1,487.83	4.0229		Mar
2.4405	1.3068	8.2921	10.2163	68.1939	12,068.69	4.9362	107.00	1,495.40	4.0277		Apr
2.5357	1.2916	8.0806	9.9291	69.6407	11,913.51	4.8974	101.97	1,481.36	3.9688		May
2.5658	1.2874	7.9676	9.7192	70.1673	11,830.22	4.8763	99.26	1,458.61	3.9836		June
2.4914	1.2461	7.8288	9.5308	68.1061	11,605.16	4.9042	97.07	1,404.11	3.8914		July
2.5170	1.2315	7.8864	9.6177	68.8632	11,777.55	4.9779	97.58	1,403.93	3.8643		Aug
2.6066	1.2583	8.1273	9.9686	70.0452	12,287.93	5.0717	100.49	1,444.65	3.9599		Sep
2.6333	1.2801	8.1390	10.0574	68.8589	12,457.30	4.9976	102.47	1,435.37	3.9649		Oct
2.6512	1.2787	7.9998	9.9423	70.3250	12,343.83	4.9970	103.94	1,395.13	3.9230		Nov
2.7264	1.2984	8.1809	10.1679	71.6946	12,643.37	4.9570	109.71	1,411.41	4.0075		Dec
2.6993	1.3189	8.2698	10.3027	72.0716	12,837.99	4.9706	118.34	1,417.69	4.0413		2013 Jan
2.6354	1.3477	8.3282	10.3608	71.9342	12,933.75	4.9359	124.40	1,452.82	4.1403		Feb
2.5694	1.3285	8.0599	10.0588	70.5579	12,590.61	4.7769	122.99	1,430.31	4.0309		Mar
2.6060	1.3268	8.0564	10.1110	70.7738	12,664.51	4.7164	127.54	1,460.89	3.9686		Apr
2.6414	1.3257	7.9715	10.0766	71.4760	12,673.13	4.7223	131.13	1,444.56	3.9200		May
2.8613	1.3596	8.0905	10.2349	77.0284	13,033.31	4.7865	128.40	1,498.33	4.1488		June
2.9438	1.3619	8.0234	10.1455	78.1762	13,189.17	4.7153	130.39	1,473.35	4.1746		July
3.1170	1.3853	8.1477	10.3223	83.9480	14,168.72	4.7610	130.34	1,485.93	4.3631		Aug
3.0345	1.3817	8.1690	10.3504	85.2678	15,073.16	4.7636	132.41	1,446.60	4.3410		Sep
2.9860	1.4128	8.3226	10.5724	84.0071	15,109.54	4.8232	133.32	1,454.73	4.3283		Oct
3.0959	1.4145	8.2221	10.4604	84.4990	15,575.06	4.7711	134.97	1,434.06	4.3176		Nov
3.2133	1.4580	8.3248	10.6254	84.7631	16,455.73	4.8019	141.68	1,446.99	4.4517		Dec
3.2437	1.4884	8.2368	10.5586	84.5099	16,471.94	4.7569	141.47	1,453.94	4.5005		2014 Jan
3.2581	1.5094	8.3062	10.6012	84.9503	16,270.18	4.8043	139.35	1,462.51	4.5194		Feb
3.2187	1.5352	8.5332	10.7283	84.2990	15,785.89	4.8087	141.48	1,479.99	4.5361		Mar
3.0864	1.5181	8.5984	10.7107	83.3624	15,801.66	4.8010	141.62	1,441.28	4.4989		Apr
3.0512	1.4951	8.5658	10.6456	81.4318	15,830.12	4.7600	139.74	1,407.13	4.4337		May
3.0388	1.4728	8.4698	10.5365	81.2046	16,167.87	4.6966	138.72	1,385.45	4.3760		June
3.0109	1.4524	8.3940	10.4935	81.3058	15,789.65	4.6325	137.72	1,382.29	4.3100		July
3.0219	1.4548	8.1965	10.3207	81.0709	15,603.10	4.6569	137.11	1,364.17	4.2310		Aug
3.0089	1.4196	7.9207	10.0019	78.5676	15,362.85	4.6896	138.39	1,336.02	4.1522		Sep
3.1018	1.4214	7.7635	9.8309	77.7896	15,389.80	4.7249	136.85	1,345.25	4.1436		Oct
3.1829	1.4136	7.6411	9.6716	76.9566	15,177.15	4.7783	145.03	1,370.36	4.1747		Nov
3.2499	1.4216	7.6330	9.5626	77.3781	15,351.19	4.8503	147.06	1,359.97	4.2903		Dec
3.0639	1.4039	7.2269	9.0102	72.2141	14,617.69	4.5856	137.47	1,266.19	4.1648		2015 Jan
3.1977	1.4199	7.0960	8.8020	70.4356	14,504.28	4.4192	134.69	1,250.50	4.0822		Feb
3.3997	1.3661	6.7623	8.4081	67.7387	14,152.16	4.3325	130.41	1,205.92	3.9889		Mar
3.2800	1.3313	6.6863	8.3550	67.6432	13,950.49	4.2456	128.94	1,170.32	3.9118		Apr
3.4105	1.3568	6.9165	8.6436	71.1153	14,650.36	4.3086	134.75	1,220.20	4.0191		May
3.4941	1.3854	6.9587	8.6935	71.5873	14,919.43	4.2891	138.74	1,248.79	4.1949		June
3.5405	1.4124	6.8269	8.5236	69.9960	14,720.40	4.1679	135.68	1,260.75	4.1824		July
3.9118	1.4637	7.0626	8.6358	72.5361	15,370.92	4.2836	137.12	1,313.48	4.5297		Aug
4.3666	1.4882	7.1462	8.6966	74.2990	16,175.76	4.3917	134.85	1,329.94	4.8286		Sep
4.3599	1.4685	7.1346	8.7073	73.1116	15,482.55	4.3414	134.84	1,286.06	4.7818		Oct
4.0601	1.4248	6.8398	8.3211	71.0406	14,685.99	4.1760	131.60	1,239.19	4.6328		Nov
4.2145	1.4904	7.0193	8.4307	72.3851	15,087.43	4.2199	132.36	1,277.56	4.6615		Dec
4.4021	1.5447	7.1393	8.4509	73.2036	15,069.76	4.2903	128.32	1,307.56	4.7162		2016 Jan
4.3953	1.5317	7.2658	8.6333	75.7172	14,985.33	4.3336	127.35	1,349.77	4.6411		Feb
4.1195	1.4697	7.2220	8.6152	74.3018	14,629.58	4.2927	125.39	1,314.89	4.5167		Mar
4.0374	1.4559	7.3461	8.7954	75.3823	14,932.22	4.2812	124.29	1,300.58	4.4232		Apr
3.9983	1.4626	7.3864	8.7815	75.7016	15,188.82	4.3115	123.21	1,329.46	4.5755		May
3.8570	1.4477	7.4023	8.7162	75.5592	14,969.03	4.3323	118.45	1,310.59	4.5760		June
3.6263	1.4428	7.3910	8.5858	74.3738	14,520.91	4.2686	115.25	1,264.05	4.4471		July
3.5983	1.4557	7.4537	8.6961	75.0303	14,757.31	4.2559	113.49	1,245.55	4.5141		Aug
3.6436	1.4677	7.4819	8.6964	74.8220	14,697.52	4.2210	114.22	1,244.12	4.6108		Sep
3.5158	1.4594	7.4198	8.5533	73.5775	14,361.10	4.2110	114.47	1,243.02	4.6040		Oct

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

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

EUR 1 = CU ...

Other European and non-European countries (cont'd)											
Period	Mexico	New Zealand	Norway	Philippines	Russian Federation	Singapore	South Africa	Switzerland	Thailand	Turkey	United States
	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK	Philippine peso PHP	Russian rouble RUB	Singapore dollar SGD	South African rand ZAR	Swiss franc CHF	Thai baht THB	Turkish lira TRY	US dollar USD
2011 Oct	18.4315	1.7361	7.7474	59.412	42.8569	1.7493	10.9188	1.2295	42.297	2.5089	1.3706
Nov	18.5646	1.7584	7.7868	58.743	41.8082	1.7476	11.0547	1.2307	41.969	2.4565	1.3556
Dec	18.1174	1.7102	7.7451	57.537	41.5686	1.7070	10.7829	1.2276	41.099	2.4632	1.3179
2012 Jan	17.3140	1.6132	7.6752	56.208	40.4394	1.6510	10.3405	1.2108	40.718	2.3759	1.2905
Feb	16.9159	1.5845	7.5522	56.419	39.4232	1.6585	10.1289	1.2071	40.614	2.3264	1.3224
Mar	16.8239	1.6104	7.5315	56.634	38.7804	1.6624	10.0475	1.2061	40.557	2.3631	1.3201
Apr	17.1900	1.6095	7.5698	56.145	38.8087	1.6459	10.3060	1.2023	40.639	2.3520	1.3162
May	17.4237	1.6538	7.5655	54.908	39.5585	1.6152	10.4412	1.2012	40.077	2.3149	1.2789
June	17.4529	1.6062	7.5401	53.510	41.1766	1.6016	10.5050	1.2011	39.640	2.2837	1.2526
July	16.4263	1.5390	7.4579	51.452	39.9467	1.5494	10.1379	1.2011	38.873	2.2281	1.2288
Aug	16.3600	1.5306	7.3239	52.173	39.6334	1.5480	10.2585	1.2011	38.974	2.2291	1.2400
Sep	16.6413	1.5721	7.3945	53.629	40.4006	1.5837	10.6512	1.2089	39.842	2.3177	1.2856
Oct	16.7207	1.5817	7.4076	53.691	40.3558	1.5879	11.2215	1.2098	39.811	2.3384	1.2974
Nov	16.7689	1.5660	7.3371	52.716	40.2505	1.5695	11.2986	1.2052	39.391	2.3010	1.2828
Dec	16.8664	1.5777	7.3503	53.796	40.3114	1.6009	11.3179	1.2091	40.187	2.3439	1.3119
2013 Jan	16.8760	1.5877	7.3821	54.105	40.1847	1.6326	11.6957	1.2288	39.924	2.3543	1.3288
Feb	16.9872	1.5929	7.4232	54.355	40.3342	1.6546	11.8796	1.2298	39.839	2.3738	1.3359
Mar	16.2322	1.5657	7.4863	52.813	39.9332	1.6164	11.9169	1.2266	38.264	2.3453	1.2964
Apr	15.8895	1.5348	7.5444	53.649	40.7995	1.6120	11.8592	1.2199	37.857	2.3406	1.3026
May	15.9776	1.5774	7.5589	53.693	40.6842	1.6219	12.1798	1.2418	38.667	2.3739	1.2982
June	17.0716	1.6682	7.7394	56.658	42.6490	1.6613	13.2088	1.2322	40.664	2.5028	1.3189
July	16.6893	1.6590	7.8837	56.698	42.8590	1.6595	12.9674	1.2366	40.714	2.5274	1.3080
Aug	17.1996	1.6829	7.9386	58.471	43.9748	1.6941	13.4190	1.2338	42.072	2.6125	1.3310
Sep	17.4471	1.6406	7.9725	58.346	43.5144	1.6860	13.3287	1.2338	42.312	2.6952	1.3348
Oct	17.7413	1.6351	8.1208	58.809	43.7440	1.6956	13.5283	1.2316	42.549	2.7095	1.3635
Nov	17.6340	1.6327	8.2055	58.811	44.1581	1.6833	13.7626	1.2316	42.695	2.7316	1.3493
Dec	17.8278	1.6659	8.4053	60.552	45.0628	1.7244	14.2234	1.2245	44.323	2.8276	1.3704
2014 Jan	17.9964	1.6450	8.3927	61.263	46.0304	1.7327	14.8242	1.2317	44.822	3.0297	1.3610
Feb	18.1561	1.6466	8.3562	61.238	48.2554	1.7295	14.9820	1.2212	44.568	3.0184	1.3659
Mar	18.2447	1.6199	8.2906	61.901	49.9477	1.7513	14.8613	1.2177	44.765	3.0629	1.3823
Apr	18.0485	1.6049	8.2506	61.646	49.2978	1.7345	14.5815	1.2189	44.657	2.9393	1.3813
May	17.7620	1.5957	8.1513	60.258	47.8403	1.7189	14.2995	1.2204	44.686	2.8736	1.3732
June	17.6516	1.5769	8.2149	59.543	46.7509	1.7008	14.5094	1.2181	44.195	2.8808	1.3592
July	17.5834	1.5578	8.3880	58.844	46.9984	1.6825	14.4366	1.2150	43.470	2.8699	1.3539
Aug	17.5051	1.5783	8.2522	58.320	48.1781	1.6622	14.2052	1.2118	42.644	2.8784	1.3316
Sep	17.0717	1.5841	8.1798	57.033	49.0519	1.6295	14.1578	1.2076	41.536	2.8543	1.2901
Oct	17.0713	1.6090	8.3136	56.807	51.9380	1.6154	14.0266	1.2078	41.139	2.8577	1.2673
Nov	16.9850	1.5928	8.4912	56.101	57.5193	1.6173	13.8359	1.2027	40.908	2.7885	1.2472
Dec	17.8692	1.5874	8.9802	55.092	70.3269	1.6213	14.1582	1.2026	40.564	2.8304	1.2331
2015 Jan	17.0782	1.5213	8.9320	51.791	75.0459	1.5545	13.4598	1.0940	38.056	2.7153	1.1621
Feb	16.9310	1.5236	8.6188	50.174	73.0742	1.5382	13.1532	1.0618	36.963	2.7958	1.1350
Mar	16.4941	1.4506	8.6434	48.227	65.1401	1.4913	13.0756	1.0608	35.355	2.8077	1.0838
Apr	16.4288	1.4217	8.5057	47.863	56.7415	1.4539	12.9588	1.0379	35.072	2.8743	1.0779
May	17.0378	1.5112	8.4103	49.741	56.3735	1.4882	13.3506	1.0391	37.408	2.9491	1.1150
June	17.3467	1.6046	8.7550	50.508	61.2390	1.5091	13.7965	1.0455	37.818	3.0299	1.1213
July	17.5297	1.6542	8.9357	49.814	63.2077	1.4972	13.6973	1.0492	37.760	2.9705	1.0996
Aug	18.4333	1.7001	9.1815	51.536	73.3597	1.5573	14.3821	1.0777	39.465	3.1826	1.1139
Sep	18.8821	1.7714	9.3075	52.456	74.8040	1.5879	15.3065	1.0913	40.426	3.3835	1.1221
Oct	18.6216	1.6794	9.2892	52.070	70.9490	1.5731	15.1579	1.0882	40.092	3.2887	1.1235
Nov	17.8605	1.6365	9.2572	50.537	69.7899	1.5181	15.1743	1.0833	38.432	3.0849	1.0736
Dec	18.5500	1.6133	9.4642	51.337	76.3576	1.5321	16.3210	1.0827	39.162	3.1800	1.0877
2016 Jan	19.6039	1.6654	9.5899	51.654	83.8638	1.5561	17.7592	1.0941	39.249	3.2713	1.0860
Feb	20.4826	1.6732	9.5628	52.816	85.6158	1.5596	17.4987	1.1018	39.507	3.2638	1.1093
Mar	19.5943	1.6481	9.4300	51.722	77.9394	1.5247	17.1222	1.0920	39.089	3.2072	1.1100
Apr	19.8402	1.6458	9.3224	52.598	75.4333	1.5308	16.5695	1.0930	39.780	3.2135	1.1339
May	20.4956	1.6628	9.3036	52.951	74.4745	1.5494	17.3357	1.1059	40.064	3.3230	1.1311
June	20.9430	1.5955	9.3278	52.172	73.1466	1.5205	16.9371	1.0894	39.624	3.2737	1.1229
July	20.5453	1.5514	9.3690	52.102	71.2417	1.4949	15.9449	1.0867	38.794	3.2786	1.1069
Aug	20.7136	1.5491	9.3030	52.254	72.7952	1.5106	15.4198	1.0881	38.916	3.3206	1.1212
Sep	21.5034	1.5328	9.1971	53.359	72.2387	1.5240	15.7305	1.0919	38.935	3.3284	1.1212
Oct	20.8389	1.5409	9.0009	53.304	69.0091	1.5257	15.3593	1.0887	38.666	3.3912	1.1026

\* 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 ...

Period	EU member countries								
	Bulgaria Bulgarian lev BGN	Croatia Kuna HRK 1	Cyprus Cyprus pound CYP 2	Czech Republic Czech koruna CZK	Denmark Danish krone DKK	Estonia Estonian kroon EEK 2	Hungary Hungarian forint HUF	Latvia Latvian lats LVL 2	Lithuania Lithuanian litas LTL 2
	<b>End of year</b>								
2002	1.9546	7.4750	0.57316	31.577	7.4288	15.6466	236.29	0.6140	3.4525
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	–	–
	<b>Annual averages +</b>								
2002	1.9492	7.4130	0.57530	30.804	7.4305	15.6466	242.96	0.5810	3.4594
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	–	–

Period	EU member countries (cont'd)						Other European and non-European countries			
	Malta Maltese lira MTL 2	Poland Polish zloty PLN	Romania Romanian leu (old)/(new) ROL/RON 3	Slovakia Slovak koruna SKK 2	Slovenia Slovenian tolar SIT 2	Sweden Swedish krona SEK	United Kingdom Pound sterling GBP	Australia Australian dollar AUD	Brazil Brazilian real BRL 4	Canada Canadian dollar CAD
	<b>End of year</b>									
2002	0.4182	4.0210	35,135	41.503	230.1577	9.1528	0.65050	1.8556	3.7124	1.6550
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	0.70500	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
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
	<b>Annual averages +</b>									
2002	0.4089	3.8574	31,270	42.694	225.9772	9.1611	0.62883	1.7376	2.7896	1.4838
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
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

\* 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>										
2002	8.6801	8.1781	84.74	50.2930	9.387.21	4.9708	124.39	1,243.76	3.9857	10.9605
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	<sup>2</sup> –	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
<b>Annual averages +</b>										
2002	7.8265	7.3750	86.18	45.9248	8,785.12	4.4800	118.06	1,175.50	3.5933	9.1628
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	<sup>2</sup> 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

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 krone 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>										
2002	1.9975	7.2756	56.318	33.5108	1.8199	9.0094	1.4524	45.237	1,738,000	1.0487
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	<sup>6</sup> 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
<b>Annual averages +</b>										
2002	2.0366	7.5086	48.837	29.7028	1.6912	9.9072	1.4670	40.637	1,439,680	0.9456
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	<sup>6</sup> 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

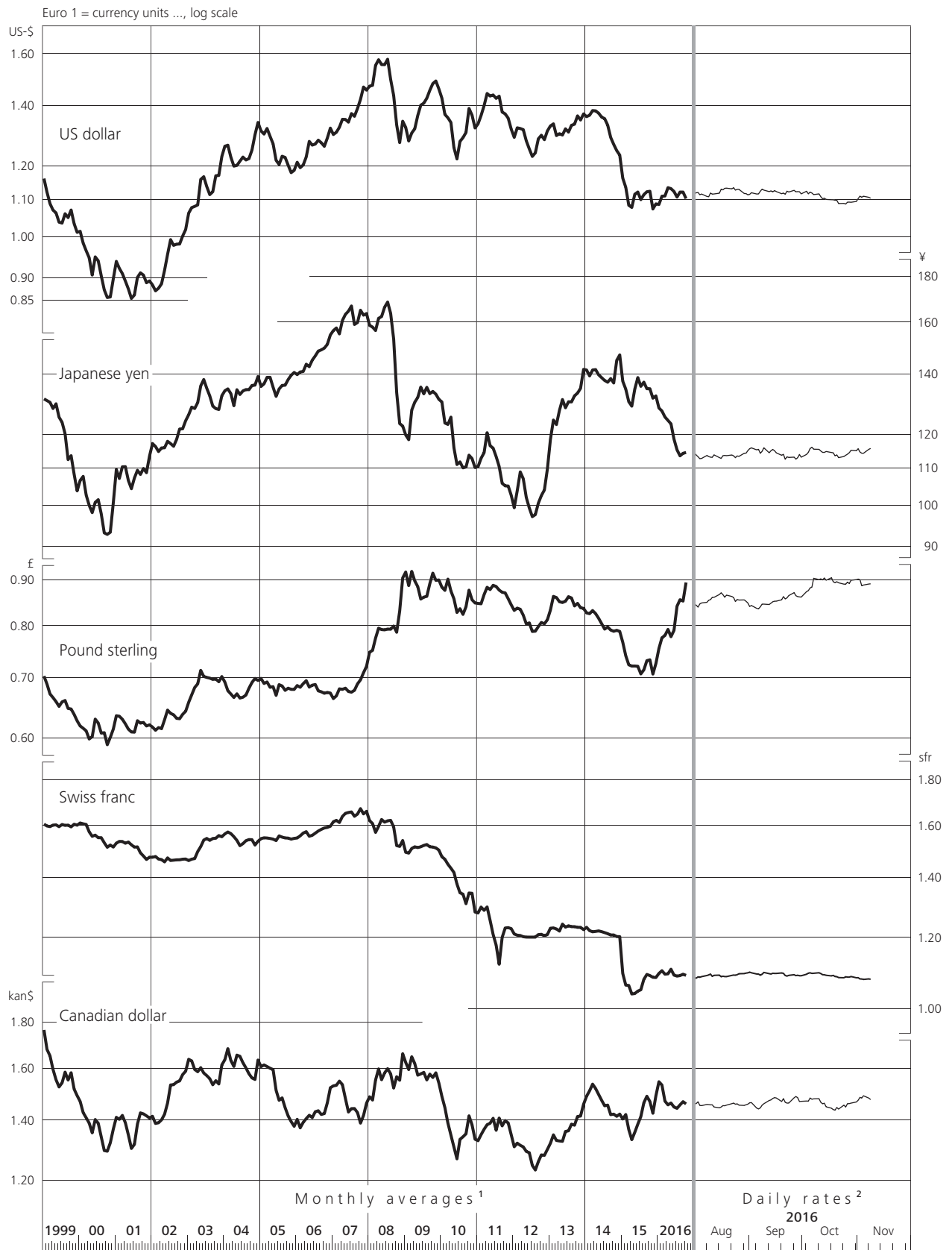
\* See Explanatory notes, p 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. <sup>1</sup> Up to March 2005, ECB indicative rates. <sup>2</sup> The ECB has not fixed a euro foreign exchange reference rate for the Icelandic krona since 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: October 2016. <sup>2</sup> Last updated: 8 November 2016.

### 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	96.0	96.5	95.8	98.2	100.1	95.9	98.0	97.7	
2000	87.1	86.5	87.9	85.8	92.9	99.0	85.7	91.9	90.8	
2001	87.8	87.1	90.5	86.9	92.9	98.1	86.8	91.4	90.8	
2002	90.1	90.2	95.0	90.5	93.5	96.9	89.6	91.9	91.7	
2003	100.7	101.2	106.9	101.4	97.1	95.7	99.2	96.5	96.7	
2004	104.5	105.0	111.5	105.1	98.5	95.4	103.0	98.0	98.3	
2005	102.9	103.5	109.5	102.5	98.5	95.2	103.4	96.9	96.6	
2006	102.8	103.5	109.4	101.8	98.6	94.9	104.3	96.5	95.8	
2007	106.3	106.2	112.9	103.8	100.9	95.2	109.9	97.9	97.0	
2008	109.4	108.3	117.1	105.8	102.2	94.6	115.0	97.8	97.1	
2009	110.8	109.0	120.0	106.8	101.8	94.5	113.9	98.0	97.5	
2010	103.6	101.3	111.5	97.8	98.8	94.1	106.1	93.6	92.0	
2011	103.3	100.2	112.2	97.2	98.2	93.7	105.1	92.8	91.3	
2012	97.6	95.0	107.0	92.4	95.9	93.2	99.8	89.8	88.2	
2013	101.2	98.2	111.9	95.5	98.3	93.3	106.3	91.6	90.3	
2014	101.8	97.8	114.7	96.0	98.5	93.6	106.2	91.8	91.0	
2015	92.4	88.4	106.5	<b>p</b> 87.8	94.7	93.6	95.9	86.9	<b>p</b> 86.3	
2012 Dec	98.4	95.7	108.2	93.1	96.4	93.0	101.5	90.0	88.5	
2013 Jan	100.1	97.3	109.8	94.3	97.4	93.1	104.1	91.0	89.4	
Feb	101.3	98.3	111.0	95.1	98.0	93.1	105.7	91.5	89.8	
Mar	99.8	97.0	109.2	93.7	97.6	93.1	104.4	90.8	89.0	
Apr	100.0	97.1	109.5	93.7	97.9	93.3	105.1	91.0	89.2	
May	100.1	97.2	109.7	93.9	98.1	93.3	105.7	91.1	89.3	
June	101.1	98.2	111.8	95.6	98.3	93.3	106.2	91.7	90.3	
July	101.0	98.2	111.8	95.5	98.6	93.4	106.7	91.7	90.4	
Aug	101.7	98.7	113.3	96.6	98.6	93.3	107.0	91.9	90.9	
Sep	101.6	98.4	113.2	96.4	98.5	93.3	106.7	91.8	90.8	
Oct	102.5	99.0	114.1	96.8	98.9	93.4	107.7	92.1	91.1	
Nov	102.2	98.7	114.1	96.6	98.8	93.5	107.4	92.1	91.1	
Dec	103.4	99.9	115.7	98.0	99.3	93.5	108.7	92.7	91.9	
2014 Jan	103.0	99.4	115.8	97.9	99.2	93.5	108.2	92.5	91.9	
Feb	103.2	99.6	116.3	98.2	99.0	93.4	107.9	92.6	92.0	
Mar	104.3	100.6	117.5	99.0	99.3	93.4	108.7	93.1	92.4	
Apr	104.2	100.4	117.0	98.4	99.2	93.5	108.3	93.0	92.2	
May	103.6	99.5	116.1	97.3	98.8	93.5	107.3	92.6	91.5	
June	102.7	98.7	115.1	96.5	98.7	93.6	106.6	92.3	91.2	
July	102.3	98.2	114.7	95.9	98.6	93.8	106.3	92.2	91.0	
Aug	101.5	97.4	114.0	95.3	98.4	93.7	105.7	91.8	90.7	
Sep	99.9	95.9	112.3	93.9	98.0	93.8	104.5	91.0	89.9	
Oct	99.1	95.0	111.8	93.2	97.6	93.7	103.5	90.4	89.4	
Nov	99.0	94.9	111.9	93.2	97.7	93.6	103.9	90.3	89.5	
Dec	99.0	94.8	113.1	93.8	97.6	93.6	103.8	90.2	89.8	
2015 Jan	95.2	91.1	108.9	90.1	95.7	93.5	98.6	88.2	87.5	
Feb	93.3	89.5	107.0	88.7	95.2	93.7	97.1	87.5	86.8	
Mar	90.6	86.9	103.8	85.9	94.3	93.7	94.5	86.1	85.2	
Apr	89.7	86.1	102.4	84.7	94.0	93.7	93.9	85.7	84.5	
May	91.6	87.8	104.7	86.5	94.6	93.6	95.6	86.6	85.6	
June	92.3	88.5	106.0	87.5	94.7	93.5	96.1	86.9	86.1	
July	91.3	87.5	105.1	86.6	94.3	93.5	95.0	86.3	85.6	
Aug	93.0	88.9	108.1	88.9	94.9	93.6	96.4	87.2	87.0	
Sep	93.8	89.7	109.6	90.1	95.2	93.6	97.1	87.6	87.7	
Oct	93.6	89.6	109.0	89.6	95.1	93.6	97.0	87.6	87.4	
Nov	91.1	87.1	106.0	<b>p</b> 86.8	94.1	93.6	94.3	86.3	<b>p</b> 85.8	
Dec	92.5	88.3	108.0	<b>p</b> 88.3	94.3	93.4	95.2	86.7	<b>p</b> 86.5	
2016 Jan	93.6	89.1	109.9	<b>p</b> 89.6	94.5	93.4	95.7	87.2	<b>p</b> 87.3	
Feb	94.7	90.0	111.3	<b>p</b> 90.8	95.0	93.4	96.9	87.6	<b>p</b> 87.7	
Mar	94.1	89.5	110.0	<b>p</b> 89.9	95.0	93.5	96.8	87.4	<b>p</b> 87.3	
Apr	94.8	90.1	110.6	<b>p</b> 90.2	95.4	93.6	97.6	87.9	<b>p</b> 87.6	
May	95.1	90.5	111.1	<b>p</b> 90.7	95.2	93.6	97.3	88.1	<b>p</b> 87.9	
June	94.7	90.2	110.5	<b>p</b> 90.3	95.0	93.6	96.7	87.9	<b>p</b> 87.6	
July	94.9	<b>p</b> 90.4	110.2	<b>p</b> 89.9	95.3	93.6	97.4	<b>p</b> 88.0	<b>p</b> 87.4	
Aug	95.2	<b>p</b> 90.6	110.6	<b>p</b> 90.2	95.4	93.5	97.8	<b>p</b> 88.0	<b>p</b> 87.4	
Sep	95.4	<b>p</b> 90.7	110.9	<b>p</b> 90.3	<b>p</b> 95.5	<b>p</b> 93.6	98.0	<b>p</b> 88.0	<b>p</b> 87.6	
Oct	95.5	<b>p</b> 90.8	110.6	<b>p</b> 90.1	<b>p</b> 95.7	<b>p</b> 93.6	<b>p</b> 98.5	<b>p</b> 88.0	<b>p</b> 87.4	

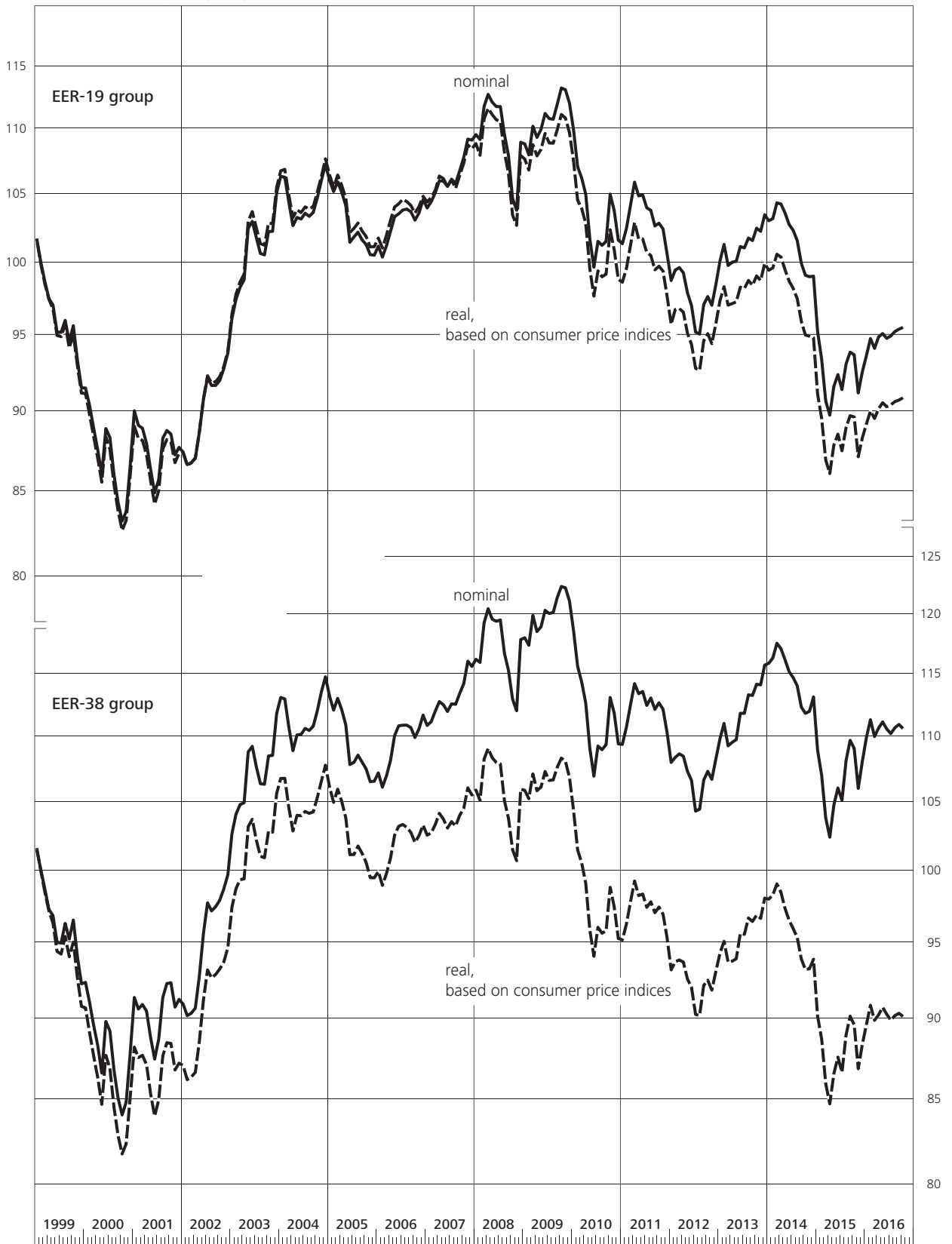
\* See Explanatory notes, p 51. <sup>1</sup> Source: ECB. <sup>2</sup> Data for Argentina are currently not available due to the state of emergency in the national statistical system declared by the government of Argentina on 7 January 2016. As a consequence, Argentina is not

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 2015	Rate at end of month			
					August 2016	September 2016	October 2016	
<b>Afghanistan</b>								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 61.7100	AFN 66.6937	AFN 65.6163	AFN 65.8058	
		S	USD 1 =	AFN 61.8100	AFN 66.7937	AFN 65.7163	AFN 65.9058	
	AFN	B	EUR 1 =	AFN 67.8475	AFN 74.0465	AFN 73.1617	AFN 71.9805	
		S	EUR 1 =	AFN 68.1075	AFN 74.3065	AFN 73.4217	AFN 72.2405	
	<b>Albania</b>							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 126.18	ALL 123.34	ALL 122.74	ALL 124.66
M			EUR 1 =	ALL 139.77	ALL 137.52	ALL 137.33	ALL 136.54	
<b>Algeria</b>								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 100.8401	DZD 109.6091	DZD 109.7784	DZD 109.9948	
		S	USD 1 =	DZD 100.8551	DZD 109.6241	DZD 109.7934	DZD 110.0098	
	DZD	B	EUR 1 =	DZD 111.6833	DZD 122.0278	DZD 122.5786	DZD 120.4553	
		S	EUR 1 =	DZD 111.7210	DZD 122.0884	DZD 122.6173	DZD 120.5047	
<b>Angola <sup>1</sup></b>								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 120.413	AOA 165.064	AOA 165.067	AOA 165.071	
		S	USD 1 =	AOA 121.617	AOA 166.715	AOA 166.718	AOA 166.722	
	AOA	B	EUR 1 =	AOA 132.888	AOA 184.461	AOA 184.464	AOA 184.469	
		S	EUR 1 =	AOA 134.187	AOA 186.269	AOA 186.272	AOA 186.276	
<b>Antigua and Barbuda</b>								
St John's 459	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 2.9826	XCD 2.9925	XCD 3.0003	XCD 2.9425	
		V, S	EUR 1 =	XCD 3.0144	XCD 3.0245	XCD 3.0323	XCD 2.9739	
<b>Argentina</b>								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 9.1681	ARS 14.8300	ARS 15.2100	ARS 15.0500	
		S	USD 1 =	ARS 9.2681	ARS 14.9300	ARS 15.3100	ARS 15.1500	
	ARS	B	EUR 1 =	ARS 10.1654	ARS 16.5206	ARS 17.0626	ARS 16.4873	
		S	EUR 1 =	ARS 10.3014	ARS 16.6693	ARS 17.2130	ARS 16.6347	
<b>Armenia</b>								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 478.20	AMD 474.75	AMD 474.46	AMD 475.14	
		M	EUR 1 =	AMD 530.02	AMD 529.11	AMD 530.26	AMD 520.47	
<b>Aruba</b>								
Oranjestad 474	Aruban florin = 100 cent	B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78	
		S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80	
	AWG	B	EUR 100 =	AWG 196.73	AWG 198.27	AWG 199.85	AWG 194.95	
		S	EUR 100 =	AWG 198.70	AWG 200.26	AWG 201.86	AWG 196.91	

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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Australia</b>							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7508	USD 0.7514	USD 0.7630	USD 0.7613
		M	AUD 1 =	EUR 0.6763	EUR 0.6740	EUR 0.6802	EUR 0.6941
<b>Austria</b>							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Azerbaijan</b>							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.0371	AZN 1.6321	AZN 1.6211	AZN 1.6381
		M	EUR 1 =	AZN 1.1488	AZN 1.8209	AZN 1.8187	AZN 1.7967
<b>Bahamas</b>							
Nassau 453	Bahamian dollar = 100 cents BSD	B	USD 1 =	BSD 0.9950	BSD 0.9950	BSD 0.9950	BSD 0.9950
		S	USD 1 =	BSD 1.0125	BSD 1.0125	BSD 1.0125	BSD 1.0125
		V, B	EUR 1 =	BSD 1.07177	BSD 1.10763	BSD 1.11052	BSD 1.08913
		V, S	EUR 1 =	BSD 1.13418	BSD 1.12712	BSD 1.13005	BSD 1.10828
<b>Bahrain</b>							
Manama 640	Bahraini dinar = 1,000 fils BHD	B	USD 1 =	BHD 0.37425	BHD 0.37425	BHD 0.37425	BHD 0.37425
		S	USD 1 =	BHD 0.37750	BHD 0.37750	BHD 0.37750	BHD 0.37750
		B	EUR 1 =	BHD 0.4038078	BHD 0.4075940	BHD 0.4101257	BHD 0.4006100
		S	EUR 1 =	BHD 0.4287856	BHD 0.4328060	BHD 0.4354943	BHD 0.4253900
<b>Bangladesh 1</b>							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 77.4375	BDT 77.8000	BDT 77.7500	BDT 77.9000
		S	USD 1 =	BDT 78.4275	BDT 78.7900	BDT 78.7400	BDT 78.8900
		B	EUR 1 =	BDT 84.4481	BDT 85.6450	BDT 86.1252	BDT 84.2168
		S	EUR 1 =	BDT 87.7842	BDT 89.0950	BDT 89.5752	BDT 87.6668
<b>Barbados</b>							
Bridgetown 469	Barbados dollar = 100 cents BBD	B	USD 1 =	BBD 1.99375	BBD 1.99375	BBD 1.99375	BBD 1.99375
		S	USD 1 =	BBD 2.02768	BBD 2.02768	BBD 2.02768	BBD 2.02768
		B	EUR 1 =	BBD 2.19772	BBD 2.21874	BBD 2.23328	BBD 2.18608
		S	EUR 1 =	BBD 2.23892	BBD 2.26034	BBD 2.27514	BBD 2.22707
<b>Belarus 1</b>							
Minsk 073	Belarusian rouble = 100 kopecks BYR/BYN	M	USD 1 =	BYR 16,085.75	BYN 1.9578	BYN 1.9264	BYN 1.9065
		M	EUR 1 =	BYR 17,823.83	BYN 2.1859	BYN 2.1610	BYN 2.0820

#### 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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Belgium</b>							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Belize</b>							
Belmopan 421	Belize dollar = 100 cents BZD	B S	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
			USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
		B S	EUR 1 =	BZD 2.1913	BZD 2.2097	BZD 2.2224	BZD 2.1698
			EUR 1 =	BZD 2.2300	BZD 2.2487	BZD 2.2616	BZD 2.2082
<b>Benin <sup>1</sup></b>							
Porto-Novo Seat of Government: Cotonou 284	CFA franc XOF	V 2	USD 1 =	XOF 591.219	XOF 589.254	XOF 587.722	XOF 599.266
			EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Bermuda</b>							
Hamilton 413	Bermudian dollar = 100 cents BMD	B S	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
			USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
		V, B V, S	EUR 1 =	BMD 1.1051	BMD 1.1087	BMD 1.1116	BMD 1.0902
			EUR 1 =	BMD 1.1143	BMD 1.1180	BMD 1.1209	BMD 1.0993
<b>Bhutan <sup>1</sup></b>							
Thimphu 675	Ngultrum = 100 chhetrum BTN	B S	USD 1 =	BTN 64.17	BTN 66.90	BTN 66.67	BTN 65.80
			USD 1 =	BTN 64.62	BTN 67.37	BTN 67.14	BTN 67.95
		B S	EUR 1 =	BTN 70.95	BTN 74.74	BTN 74.79	BTN 71.75
			EUR 1 =	BTN 71.43	BTN 75.23	BTN 75.28	BTN 73.75
<b>Bolivia, Plurinational State of</b>							
Sucre Seat of Government: La Paz 516	Boliviano = 100 centavos BOB	B S	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
			USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		V, B V, S	EUR 1 =	BOB 7.6077	BOB 7.6366	BOB 7.6564	BOB 7.5090
			EUR 1 =	BOB 7.7186	BOB 7.7479	BOB 7.7681	BOB 7.6184
<b>Bosnia and Herzegovina</b>							
Sarajevo 093	Convertible marka = 100 feninga BAM	B S	USD 1 =	BAM 1.768204	BAM 1.746902	BAM 1.738651	BAM 1.786248
			USD 1 =	BAM 1.777067	BAM 1.755658	BAM 1.747367	BAM 1.795202
		B / S	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
<b>Botswana</b>							
Gaborone 391	Pula = 100 thebe BWP	B S	BWP 1 =	USD 0.0983	USD 0.0921	USD 0.0958	USD 0.0953
			BWP 1 =	USD 0.0981	USD 0.0918	USD 0.0956	USD 0.0951
		B S	BWP 1 =	EUR 0.0890	EUR 0.0827	EUR 0.0853	EUR 0.0871
			BWP 1 =	EUR 0.0887	EUR 0.0825	EUR 0.0851	EUR 0.0869

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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Brazil</b>							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.3381	BRL 3.2397	BRL 3.2456	BRL 3.1805
		S	USD 1 =	BRL 3.3387	BRL 3.2403	BRL 3.2462	BRL 3.1811
	BRL	B	EUR 1 =	BRL 3.7343	BRL 3.6103	BRL 3.6474	BRL 3.4798
		S	EUR 1 =	BRL 3.7358	BRL 3.6116	BRL 3.6484	BRL 3.4811
<b>Brunei Darussalam <sup>1</sup></b>							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3689	BND 1.3535	BND 1.3549	BND 1.3818
		S	USD 1 =	BND 1.3898	BND 1.3745	BND 1.3759	BND 1.4028
	BND	B	EUR 1 =	BND 1.4958	BND 1.4945	BND 1.5059	BND 1.5020
		S	EUR 1 =	BND 1.5523	BND 1.5511	BND 1.5627	BND 1.5588
<b>Bulgaria</b>							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.76396	BGN 1.75694	BGN 1.75238	BGN 1.78680
		M	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 591.219	XOF 589.254	XOF 587.722	XOF 599.266
		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 1,558.7954	BIF 1,650.2607	BIF 1,655.9136	BIF 1,660.4676
		S	USD 1 =	BIF 1,590.2862	BIF 1,683.5993	BIF 1,689.3664	BIF 1,694.0124
	BIF	B	EUR 1 =	BIF 1,721.3347	BIF 1,839.7931	BIF 1,857.7695	BIF 1,821.5330
		S	EUR 1 =	BIF 1,756.1091	BIF 1,876.9607	BIF 1,895.3001	BIF 1,858.3316
<b>Cabo Verde</b>							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 99.897	CVE 98.632	CVE 98.166	CVE 100.856
		S	USD 1 =	CVE 100.099	CVE 98.834	CVE 98.368	CVE 101.058
	CVE	2 B/S	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 4,062	KHR 4,096	KHR 4,080	KHR 4,050
		B	EUR 1 =	KHR 4,487	KHR 4,565	KHR 4,578	KHR 4,444
	S	EUR 1 =	KHR 4,532	KHR 4,611	KHR 4,624	KHR 4,489	
<b>Cameroon <sup>1</sup></b>							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 591.219	XAF 589.254	XAF 587.722	XAF 599.266
		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 1.2787	CAD 1.3124	CAD 1.3117	CAD 1.3403
		M	EUR 1 =	CAD 1.4235	CAD 1.4628	CAD 1.4741	CAD 1.4692

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 2015	Rate at end of month			
					August 2016	September 2016	October 2016	
<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 0.9246	KYD 0.9277	KYD 0.9301	KYD 0.9122
<b>Central African Republic <sup>1</sup></b>								
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 591.219	XAF 589.254	XAF 587.722	XAF 599.266	
			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 591.219	XAF 589.254	XAF 587.722	XAF 599.266	
			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 656.62	CLP 673.17	CLP 659.08	CLP 651.65	
			M	EUR 1 =	CLP 728.18	CLP 750.22	CLP 739.13	CLP 709.86
<b>China</b>								
Peking / Beijing 720	Chinese yuan renminbi = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.2293	CNY 6.6908	CNY 6.6778	CNY 6.7641	
			M	EUR 1 =	CNY 6.9036	CNY 7.4602	CNY 7.4880	CNY 7.4294
			M	HKD 1 =	CNY 0.80459	CNY 0.86250	CNY 0.86097	CNY 0.87225
<b>China (Taiwan)</b>								
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 31.72	TWD 31.67	TWD 31.29	TWD 31.52	
			S	USD 1 =	TWD 31.82	TWD 31.77	TWD 31.39	TWD 31.62
		B	EUR 1 =	TWD 35.06	TWD 35.19	TWD 34.98	TWD 34.44	
			S	EUR 1 =	TWD 35.46	TWD 35.59	TWD 35.38	TWD 34.84
<b>Colombia</b>								
Bogotá 480	Colombian peso = 100 centavos COP	B	USD 1 =	COP 2,767.77	COP 2,932.79	COP 2,879.30	COP 2,967.36	
			S	USD 1 =	COP 2,769.53	COP 2,934.85	COP 2,880.60	COP 2,967.95
		V, B	EUR 1 =	COP 3,065.96	COP 3,264.78	COP 3,213.59	COP 3,248.07	
			V, S	EUR 1 =	COP 3,067.91	COP 3,267.08	COP 3,215.04	COP 3,248.72
<b>Comoros</b>								
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 443.41393	KMF 441.94013	KMF 440.79182	KMF 449.44980	
			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 591.219	XAF 589.254	XAF 587.722	XAF 599.266	
			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. <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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Congo, Democratic Republic of the</b>							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 907.4830	CDF 1,001.3222	CDF 1,034.8792	CDF 1,098.4431
		S	USD 1 =	CDF 944.5232	CDF 1,042.1925	CDF 1,077.1191	CDF 1,143.2775
	CDF	B	EUR 1 =	CDF 1,002.0568	CDF 1,117.9404	CDF 1,159.8517	CDF 1,200.6992
		S	EUR 1 =	CDF 1,042.9571	CDF 1,163.5706	CDF 1,207.1926	CDF 1,249.7073
<b>Cook Islands <sup>1</sup></b>							
Avarua 837	Cook Islands dollar <sup>2</sup> = 100 cents  NZD	B	NZD 1 =	EUR 0.6454	EUR 0.6655	EUR 0.6637	EUR 0.6688
		S	NZD 1 =	EUR 0.6174	EUR 0.6370	EUR 0.6353	EUR 0.6400
<b>Costa Rica</b>							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 528.69	CRC 545.98	CRC 546.33	CRC 547.38
		S	USD 1 =	CRC 540.97	CRC 558.64	CRC 558.80	CRC 560.18
	CRC	V, B	EUR 1 =	CRC 583.9701	CRC 607.7849	CRC 609.7589	CRC 599.1621
		V, S	EUR 1 =	CRC 597.5319	CRC 621.8780	CRC 623.6767	CRC 613.1730
<b>Côte d'Ivoire <sup>1</sup></b>							
Yamoussoukro Seat of Government: Abidjan 272	CFA franc  XOF	V	USD 1 =	XOF 591.219	XOF 589.254	XOF 587.722	XOF 599.266
		<sup>3</sup>	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 6.846831	HRK 6.673220	HRK 6.676087	HRK 6.851657
		S	USD 1 =	HRK 6.888036	HRK 6.713380	HRK 6.716265	HRK 6.892891
	HRK	B	EUR 1 =	HRK 7.594448	HRK 7.453320	HRK 7.485230	HRK 7.473787
		S	EUR 1 =	HRK 7.640151	HRK 7.498174	HRK 7.530276	HRK 7.518765
<b>Cuba <sup>1</sup></b>							
Havana 448	Convertible peso / Cuban peso = 100 centavos	B	CUC 1 =	USD 1.03360	USD 1.03360	USD 1.03360	USD 1.03360
		S	CUC 1 =	USD 0.96852	USD 0.96852	USD 0.96852	USD 0.96852
	CUC / CUP	B	EUR 1 =	CUC 1.06757	CUC 1.07789	CUC 1.08563	CUC 1.05689
		S	EUR 1 =	CUC 1.13940	CUC 1.15042	CUC 1.15878	CUC 1.12801
<b>Curaçao</b>							
Willemstad 477	Netherlands Antillean guilder = 100 cent	B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 196.73	ANG 198.27	ANG 198.78	ANG 194.95
		S	EUR 100 =	ANG 200.69	ANG 202.26	ANG 202.79	ANG 198.88
<b>Cyprus</b>							
Nicosia 600	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Czech Republic</b>							
Prague 061	Czech koruna = 100 heller  CZK	M	USD 1 =	CZK 24.600	CZK 24.286	CZK 24.210	CZK 24.687
		M	EUR 1 =	CZK 27.269	CZK 27.030	CZK 27.020	CZK 27.025

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.

#### 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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Denmark</b>							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 672.69	DKK 668.63	DKK 667.62	DKK 679.64
			EUR 100 =	DKK 746.07	DKK 744.32	DKK 745.13	DKK 743.93
<b>Djibouti</b>							
Djibouti 338	Djibouti franc = 100 centimes DJF	B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
			S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 194.33	DJF 195.79	DJF 197.12	DJF 192.48
			S	EUR 1 =	DJF 201.99	DJF 203.34	DJF 204.70
<b>Dominica</b>							
Roseau 460	East Caribbean dollar = 100 cents XCD	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
			S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B	EUR 1 =	XCD 2.9826	XCD 2.9925	XCD 3.0003	XCD 2.9425
			V, S	EUR 1 =	XCD 3.0144	XCD 3.0245	XCD 3.0323
<b>Dominican Republic</b>							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 44.7391	DOP 45.7153	DOP 45.9407	DOP 46.0763
			S	USD 1 =	DOP 45.0960	DOP 46.0610	DOP 46.3722
		B	EUR 1 =	DOP 48.6052	DOP 50.0847	DOP 50.4119	DOP 49.7301
			S	EUR 1 =	DOP 51.5159	DOP 53.7435	DOP 53.8931
<b>Egypt <sup>1</sup></b>							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 7.7208	EGP 8.8799	EGP 8.8799	EGP 8.8799
			S	USD 1 =	EGP 7.7222	EGP 8.8800	EGP 8.8800
		B	EUR 1 =	EGP 8.4926	EGP 9.8639	EGP 9.9250	EGP 9.7008
			S	EUR 1 =	EGP 8.5912	EGP 9.9145	EGP 9.9873
<b>El Salvador <sup>1</sup></b>							
San Salvador 428	El Salvador colón = 100 centavos SVC	B / S	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 9.7081	SVC 9.7405	SVC 9.7659	SVC 9.5778
<b>Equatorial Guinea <sup>1</sup></b>							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 591.219	XAF 589.254	XAF 587.722	XAF 599.266
		2	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Eritrea</b>							
Asmara 336	Nakfa = 100 cents ERN	B	USD 1 =	ERN 15.0000	ERN 15.0000	ERN 15.0000	ERN 15.0000
			S	USD 1 =	ERN 15.7500	ERN 15.7500	ERN 15.7500
		B	EUR 1 =	ERN 16.5500	ERN 16.7715	ERN 16.8285	ERN 16.3890
			S	EUR 1 =	ERN 17.3095	ERN 17.5310	ERN 17.5880
<b>Estonia</b>							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946

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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Ethiopia</b>							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 20.6138	ETB 21.9615	ETB 22.0534	ETB 22.1555
		S	USD 1 =	ETB 21.0261	ETB 22.4007	ETB 22.4945	ETB 22.5986
	ETB	B	EUR 1 =	ETB 22.7723	ETB 24.5266	ETB 24.7152	ETB 24.3290
		S	EUR 1 =	ETB 23.2318	ETB 25.0261	ETB 25.2140	ETB 24.8268
<b>Falkland Islands (Islas Malvinas)</b>							
Stanley 529	Falkland Islands pound <sup>2</sup> = 100 pence FKP	V	USD 1 =	FKP 0.65420	FKP 0.76182	FKP 0.77146	FKP 0.82267
		V	EUR 1 =	FKP 0.72584	FKP 0.84806	FKP 0.86103	FKP 0.90050
<b>Fiji</b>							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4837	USD 0.4922	USD 0.4960	USD 0.4914
		S	FJD 1 =	USD 0.4667	USD 0.4752	USD 0.4790	USD 0.4744
	FJD	B	FJD 1 =	EUR 0.4360	EUR 0.4395	EUR 0.4399	EUR 0.4486
		S	FJD 1 =	EUR 0.4240	EUR 0.4275	EUR 0.4279	EUR 0.4366
<b>Finland</b>							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>France</b>							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Gabon <sup>1</sup></b>							
Libreville 314	CFA franc	V	USD 1 =	XAF 591.219	XAF 589.254	XAF 587.722	XAF 599.266
	XAF	3	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 42.23	GMD 44.82	GMD 45.92	GMD 46.83
		M	EUR 1 =	GMD 46.93	GMD 51.91	GMD 53.00	GMD 52.95
<b>Georgia</b>							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.2792	GEL 2.3056	GEL 2.3297	GEL 2.4091
		M	EUR 1 =	GEL 2.5259	GEL 2.5763	GEL 2.6132	GEL 2.6278
<b>Germany</b>							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946

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 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Ghana</b>							
Accra 276	Ghana cedi = 100 Ghana pesewas	B	USD 1 =	GHS 3.7595	GHS 3.9436	GHS 3.9695	GHS 3.9621
		S	USD 1 =	GHS 3.7632	GHS 3.9476	GHS 3.9735	GHS 3.9661
	GHS	B	EUR 1 =	GHS 4.1517	GHS 4.3943	GHS 4.4532	GHS 4.3343
		S	EUR 1 =	GHS 4.1550	GHS 4.3982	GHS 4.4557	GHS 4.3370
<b>Gibraltar</b>							
Gibraltar 044	Gibraltar pound <sup>2</sup> = 100 pence GIP	V	USD 1 =	GIP 0.65420	GIP 0.76182	GIP 0.77146	GIP 0.82267
		V	EUR 1 =	GIP 0.72584	GIP 0.84806	GIP 0.86103	GIP 0.90050
<b>Greece <sup>1</sup></b>							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Grenada</b>							
St George's 473	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9826	XCD 2.9925	XCD 3.0003	XCD 2.9425
		V, S	EUR 1 =	XCD 3.0144	XCD 3.0245	XCD 3.0323	XCD 2.9739
<b>Guatemala</b>							
Guatemala City 416	Quetzal = 100 centavos GTQ	M	USD 1 =	GTQ 7.65729	GTQ 7.55319	GTQ 7.52067	GTQ 7.51560
		V, M	EUR 1 =	GTQ 8.45820	GTQ 8.40821	GTQ 8.39382	GTQ 8.22658
<b>Guinea</b>							
Conakry 260	Guinean franc	A	USD 1 =	GNF 7,103.8740	GNF 8,623.8750	GNF 8,628.7500	GNF 8,648.2500
		V	USD 1 =	GNF 7,645.9421	GNF 9,088.2375	GNF 9,093.3750	GNF 9,113.9250
	GNF	A	EUR 1 =	GNF 7,857.9357	GNF 9,605.9618	GNF 9,656.6066	GNF 9,477.4442
		V	EUR 1 =	GNF 8,457.1325	GNF 10,123.2059	GNF 10,176.5778	GNF 9,987.7681
<b>Guinea-Bissau <sup>1</sup></b>							
Bissau 257	CFA franc XOF	V	USD 1 =	XOF 591.219	XOF 589.254	XOF 587.722	XOF 599.266
		3	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 227.42	GYD 229.22	GYD 229.75	GYD 225.35
		S	EUR 1 =	GYD 230.34	GYD 232.16	GYD 232.70	GYD 228.24

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 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Haiti</b>							
Port-au-Prince 452	Gourde = 100 centimes HTG	M	USD 1 =	HTG 51.1640	HTG 64.8864	HTG 65.5368	HTG 66.3278
		V, M	EUR 1 =	HTG 56.4762	HTG 72.2315	HTG 73.1456	HTG 72.6024
<b>Honduras</b>							
Tegucigalpa 424	Lempira = 100 centavos HNL	B	USD 1 =	HNL 21.9794	HNL 22.8969	HNL 23.0306	HNL 23.1019
		S	USD 1 =	HNL 22.1332	HNL 23.0572	HNL 23.1918	HNL 23.2636
		V, B	EUR 1 =	HNL 24.2752	HNL 25.4888	HNL 25.7045	HNL 25.2873
		V, S	EUR 1 =	HNL 24.4451	HNL 25.6673	HNL 25.8844	HNL 25.4643
<b>Hong Kong</b>							
Hong Kong 740	Hong Kong dollar = 100 cents HKD	B	USD 1 =	HKD 7.73880	HKD 7.73770	HKD 7.73420	HKD 7.73630
		S	USD 1 =	HKD 7.76433	HKD 7.77650	HKD 7.77300	HKD 7.77510
		B	EUR 1 =	HKD 8.52852	HKD 8.61328	HKD 8.63418	HKD 8.46438
		S	EUR 1 =	HKD 8.58831	HKD 8.67302	HKD 8.69402	HKD 8.52412
<b>Hungary</b>							
Budapest 064	Hungarian forint = 100 fillér HUF	M	USD 1 =	HUF 279.46	HUF 278.10	HUF 276.35	HUF 283.51
		M	EUR 1 =	HUF 309.32	HUF 309.92	HUF 309.15	HUF 309.20
<b>Iceland</b>							
Reykjavik 024	Icelandic krona ISK	B	USD 1 =	ISK 131.45	ISK 116.27	ISK 114.17	ISK 112.59
		S	USD 1 =	ISK 132.07	ISK 116.83	ISK 114.71	ISK 113.13
		B	EUR 1 =	ISK 145.89	ISK 129.54	ISK 127.52	ISK 123.29
		S	EUR 1 =	ISK 146.70	ISK 130.26	ISK 128.24	ISK 123.97
<b>India <sup>1</sup></b>							
New Delhi 664	Indian rupee = 100 paise INR	B	USD 1 =	INR 63.82	INR 66.65	INR 66.35	INR 66.48
		S	USD 1 =	INR 64.67	INR 67.50	INR 67.20	INR 67.33
		B	EUR 1 =	INR 70.23	INR 73.98	INR 73.81	INR 72.13
		S	EUR 1 =	INR 71.79	INR 75.60	INR 75.43	INR 73.73
<b>Indonesia</b>							
Jakarta 700	Indonesian rupiah = 100 sen IDR	B	USD 1 =	IDR 13,351.04	IDR 13,233.00	IDR 12,933.00	IDR 12,986.00
		S	USD 1 =	IDR 13,485.13	IDR 13,367.00	IDR 13,063.00	IDR 13,116.00
		B	EUR 1 =	IDR 14,786.36	IDR 14,757.44	IDR 14,503.07	IDR 14,232.66
		S	EUR 1 =	IDR 14,938.08	IDR 14,910.89	IDR 14,654.07	IDR 14,380.38
<b>Iran, Islamic Republic of <sup>1</sup></b>							
Tehran 616	Iranian rial = 100 dinars IRR	M	USD 1 =	IRR 29,128	IRR 31,253	IRR 31,460	IRR 31,778
		M	EUR 1 =	IRR 32,174	IRR 34,871	IRR 35,339	IRR 34,855

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 2015	Rate at end of month			
					August 2016	September 2016	October 2016	
<b>Iraq</b>								
Baghdad 612	Iraqi dinar = 1,000 fils	B	USD 1 =	IQD 1,165.333	IQD 1,180.000	IQD 1,180.000	IQD 1,180.000	
		S	USD 1 =	IQD 1,167.333	IQD 1,182.000	IQD 1,182.000	IQD 1,182.000	
	IQD	B	EUR 1 =	IQD 1,289.847	IQD 1,319.398	IQD 1,326.132	IQD 1,290.335	
		S	EUR 1 =	IQD 1,290.493	IQD 1,320.058	IQD 1,326.795	IQD 1,290.980	
	<b>Ireland</b>							
	Dublin 007	Euro = 100 cent	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
EUR								
<b>Israel</b>								
Jerusalem 624	New Israeli sheqel = 100 agorot	M	USD 1 =	ILS 3.8839	ILS 3.7860	ILS 3.7580	ILS 3.8490	
		M	EUR 1 =	ILS 4.2920	ILS 4.2197	ILS 4.2030	ILS 4.2131	
	ILS							
<b>Italy</b>								
Rome 005	Euro = 100 cent	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946	
	EUR							
<b>Jamaica</b>								
Kingston 464	Jamaican dollar = 100 cents	B	USD 1 =	JMD 116.8907	JMD 126.8965	JMD 127.5895	JMD 128.3002	
		S	USD 1 =	JMD 117.4812	JMD 127.5727	JMD 128.2704	JMD 129.1064	
	JMD	B	EUR 1 =	JMD 129.01328	JMD 137.26420	JMD 142.19120	JMD 138.49540	
		S	EUR 1 =	JMD 129.61075	JMD 140.94420	JMD 144.95200	JMD 143.64110	
	<b>Japan</b>							
	Tokyo 732	Japanese yen = 100 sen	B	USD 1 =	JPY 120.12	JPY 102.18	JPY 100.12	JPY 103.86
S			USD 1 =	JPY 122.12	JPY 104.18	JPY 102.12	JPY 105.86	
JPY		B	EUR 1 =	JPY 132.19	JPY 113.45	JPY 111.86	JPY 113.55	
		S	EUR 1 =	JPY 135.19	JPY 116.45	JPY 114.86	JPY 116.55	
<b>Jordan</b>								
Amman 628		Jordanian dinar = 1,000 fils	B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
	S		USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100	
	JOD	B	EUR 1 =	JOD 0.77803	JOD 0.78992	JOD 0.79374	JOD 0.77122	
		S	EUR 1 =	JOD 0.78573	JOD 0.79492	JOD 0.79776	JOD 0.78043	
	<b>Kazakhstan</b>							
	Astana 079	Tenge = 100 tiyn	M	USD 1 =	KZT 225.02	KZT 338.98	KZT 334.93	KZT 333.50
KZT		M	EUR 1 =	KZT 249.15	KZT 379.01	KZT 375.52	KZT 363.82	
<b>Kenya <sup>1</sup></b>								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 98.6085	KES 101.2589	KES 101.1617	KES 101.3600	
		S	USD 1 =	KES 98.7851	KES 101.4589	KES 101.3617	KES 101.5572	
	KES	B	EUR 1 =	KES 108.8046	KES 112.9517	KES 113.5328	KES 111.0067	
		S	EUR 1 =	KES 109.0215	KES 113.2089	KES 113.7761	KES 111.2467	

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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Korea, Democratic People's Republic of</b>							
Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 108.41	KPW 107.14 <sup>2</sup>	KPW 106.88 <sup>3</sup>	KPW 108.59 <sup>4</sup>
		S	USD 1 =	KPW 109.23	KPW 107.95 <sup>2</sup>	KPW 107.69 <sup>3</sup>	KPW 109.41 <sup>4</sup>
	KPW	B	EUR 1 =	KPW 119.43	KPW 119.85 <sup>2</sup>	KPW 120.12 <sup>3</sup>	KPW 118.15 <sup>4</sup>
		S	EUR 1 =	KPW 120.33	KPW 120.75 <sup>2</sup>	KPW 121.03 <sup>3</sup>	KPW 119.04 <sup>4</sup>
<b>Korea, Republic of</b>							
Seoul 728	South Korean won = 100 chon	B	USD 1 =	KRW 1,120.93	KRW 1,107.10	KRW 1,093.20	KRW 1,133.80
		S	USD 1 =	KRW 1,143.03	KRW 1,128.90	KRW 1,114.80	KRW 1,156.20
	KRW	B	EUR 1 =	KRW 1,237.72	KRW 1,232.01	KRW 1,221.61	KRW 1,240.96
		S	EUR 1 =	KRW 1,262.72	KRW 1,256.89	KRW 1,246.27	KRW 1,266.02
<b>Kuwait</b>							
Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.29990	KWD 0.30050	KWD 0.30115 <sup>5</sup>	KWD 0.30170
		S	USD 1 =	KWD 0.30371	KWD 0.30410	KWD 0.30325 <sup>5</sup>	KWD 0.30530
	KWD	B	EUR 1 =	KWD 0.331011	KWD 0.334517	KWD 0.337243 <sup>5</sup>	KWD 0.330407
		S	EUR 1 =	KWD 0.335218	KWD 0.338524	KWD 0.339595 <sup>5</sup>	KWD 0.334349
<b>Kyrgyzstan</b>							
Bishkek 083	Kyrgyz som = 100 tyiyn KGS	M	USD 1 =	KGS 64.8031	KGS 68.8990	KGS 67.9346	KGS 68.6538
		M	EUR 1 =	KGS 71.8206	KGS 76.9567	KGS 76.1853	KGS 74.8704
<b>Lao People's Democratic Republic</b>							
Vientiane 684	Kip	B	USD 1 =	LAK 8,121	LAK 8,079	LAK 8,093	LAK 8,129
		S	USD 1 =	LAK 8,153	LAK 8,114	LAK 8,128	LAK 8,164
	LAK	B	EUR 1 =	LAK 8,950	LAK 9,001	LAK 9,063	LAK 8,909
		S	EUR 1 =	LAK 8,992	LAK 9,043	LAK 9,106	LAK 8,951
<b>Latvia</b>							
Riga 054	Euro = 100 cents EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Lebanon</b>							
Beirut 604	Lebanese pound = 100 piastres LBP	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50
		M	EUR 1 =	LBP 1,670.51	LBP 1,679.66	LBP 1,685.84	LBP 1,650.86
<b>Lesotho <sup>1</sup></b>							
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 12.8909	LSL 14.6667	LSL 13.8464	LSL 13.5342
		M	EUR 1 =	LSL 14.2094	LSL 16.3268	LSL 15.4793	LSL 15.8073

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> Exchange rate as of 1 September 2016. <sup>3</sup> Exchange rate as of 3 October 2016. <sup>4</sup> Exchange rate as of 1 November 2016. <sup>5</sup> Exchange rate as of 4 October 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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Liberia <sup>1</sup></b>							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 85.83	LRD 97.00	LRD 97.00	LRD 98.00
		S	USD 1 =	LRD 86.83	LRD 98.00	LRD 98.00	LRD 99.00
	LRD	V, B V, S	EUR 1 = EUR 1 =	LRD 94.7997 LRD 95.9042	LRD 107.9804 LRD 109.0936	LRD 108.2617 LRD 109.3778	LRD 107.2708 LRD 108.3654
<b>Libya</b>							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3802	LYD 1.3824	LYD 1.3786	LYD 1.4017
		S	USD 1 =	LYD 1.3871	LYD 1.3894	LYD 1.3855	LYD 1.4087
	LYD	B	EUR 1 =	LYD 1.5232	LYD 1.5414	LYD 1.5472	LYD 1.5372
		S	EUR 1 =	LYD 1.5308	LYD 1.5491	LYD 1.5549	LYD 1.5449
<b>Lithuania</b>							
Vilnius 055	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Luxembourg</b>							
Luxembourg 018	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Macao <sup>1</sup></b>							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 7.9739	MOP 7.9798	MOP 7.9768	MOP 7.9781
		S	USD 1 =	MOP 8.0063	MOP 8.0118	MOP 8.0088	MOP 8.0101
	MOP	B	EUR 1 =	MOP 8.7960	MOP 8.8756	MOP 8.8982	MOP 8.7255
		S	EUR 1 =	MOP 8.8557	MOP 8.9548	MOP 8.9774	MOP 8.8047
<b>Macedonia, former Yugoslav Republic of</b>							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 55.3515	MKD 54.7856	MKD 54.5286	MKD 56.0949
		S	USD 1 =	MKD 55.9078	MKD 55.3362	MKD 55.0766	MKD 56.6586
	MKD	B S	EUR 1 = EUR 1 =	MKD 61.3003 MKD 61.9163	MKD 61.1845 MKD 61.7995	MKD 61.1865 MKD 61.8015	MKD 61.2668 MKD 61.8826
<b>Madagascar</b>							
Antananarivo 370	Ariary = 5 iraimbilanja  MGA	M  M	USD 1 = EUR 1 =	MGA 2,942.10 MGA 3,260.72	MGA 3,049.85 MGA 3,398.74	MGA 3,110.98 MGA 3,469.49	MGA 3,206.33 MGA 3,496.80
<b>Malawi</b>							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 500.5335	MWK 712.0365	MWK 712.6578	MWK 711.7670
		S	USD 1 =	MWK 517.5229	MWK 730.0627	MWK 730.1154	MWK 730.2244
	MWK	B	EUR 1 =	MWK 552.0873	MWK 794.2055	MWK 799.5308	MWK 780.8083
		S	EUR 1 =	MWK 570.8935	MWK 814.3120	MWK 819.1164	MWK 801.0562

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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Malaysia</b>							
Kuala Lumpur Seat of Government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 3.8736	MYR 3.9787	MYR 4.0742	MYR 4.1367
		S	USD 1 =	MYR 3.9700	MYR 4.1023	MYR 4.2008	MYR 4.2773
	MYR	B	EUR 1 =	MYR 4.2878	MYR 4.4293	MYR 4.5475	MYR 4.5215
		S	EUR 1 =	MYR 4.4191	MYR 4.6110	MYR 4.7341	MYR 4.7145
<b>Maldives</b>							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.37	MVR 15.38	MVR 15.37	MVR 15.35
		V, M	EUR 1 =	MVR 16.97146	MVR 17.12102	MVR 17.15446	MVR 16.80211
<b>Mali 1</b>							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 591.219	XOF 589.254	XOF 587.722	XOF 599.266
		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 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Mauritania</b>							
Nouakchott 228	Ouguiya = 5 khoums MRO	B	USD 1 =	MRO 324.03	MRO 354.23	MRO 354.74	MRO 355.06
		S	USD 1 =	MRO 327.28	MRO 357.78	MRO 358.30	MRO 358.62
	MRO	B	EUR 1 =	MRO 357.85	MRO 394.76	MRO 397.84	MRO 388.90
		S	EUR 1 =	MRO 361.44	MRO 398.72	MRO 401.83	MRO 392.79
<b>Mauritius</b>							
Port Louis 373	Mauritian rupee = 100 cents MUR	B	USD 1 =	MUR 34.7263	MUR 34.8964	MUR 35.0163	MUR 35.2288
		S	USD 1 =	MUR 35.7423	MUR 36.2114	MUR 36.3058	MUR 36.5223
	MUR	B	EUR 1 =	MUR 38.3484	MUR 38.9218	MUR 39.2726	MUR 38.6255
		S	EUR 1 =	MUR 39.4735	MUR 40.4018	MUR 40.7285	MUR 40.0604
<b>Mexico</b>							
Mexico City 412	Mexican peso = 100 centavos MXN	B	USD 1 =	MXN 15.9184	MXN 18.8440	MXN 19.3740	MXN 18.9010
		S	USD 1 =	MXN 15.9229	MXN 18.8490	MXN 19.3820	MXN 18.9060
	MXN	V, B	EUR 1 =	MXN 17.6302	MXN 20.9771	MXN 21.6233	MXN 20.6890
		V, S	EUR 1 =	MXN 17.6345	MXN 20.9827	MXN 21.6323	MXN 20.6945
<b>Moldova, Republic of</b>							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 18.8210	MDL 19.7707	MDL 19.7566	MDL 20.0443
		M	EUR 1 =	MDL 20.8780	MDL 22.3231	MDL 22.1611	MDL 21.8784
<b>Mongolia</b>							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 1,974.22	MNT 2,219.65	MNT 2,287.30	MNT 2,374.21
		M	EUR 1 =	MNT 2,179.24	MNT 2,472.02	MNT 2,558.46	MNT 2,591.81

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p 53. 1 Explanatory notes on individual countries, see p 57 ff. 2 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 2015	Rate at end of month			
					August 2016	September 2016	October 2016	
<b>Morocco</b>								
Rabat 204	Moroccan dirham = 100 centimes	B	USD 1 =	MAD 9.7456	MAD 9.7361	MAD 9.6952	MAD 9.8420	
		S	USD 1 =	MAD 9.8042	MAD 9.7946	MAD 9.7534	MAD 9.9012	
	MAD	B	EUR 1 =	MAD 10.799	MAD 10.846	MAD 10.875	MAD 10.771	
		S	EUR 1 =	MAD 10.864	MAD 10.911	MAD 10.940	MAD 10.836	
	<b>Mozambique</b>							
	Maputo 366	Metical = 100 centavos	B	USD 1 =	MZN 38.76	MZN 73.01	MZN 77.15	MZN 77.28
S			USD 1 =	MZN 38.94	MZN 73.21	MZN 77.25	MZN 77.38	
MZN		B	EUR 1 =	MZN 42.75	MZN 81.28	MZN 86.36	MZN 84.58	
		S	EUR 1 =	MZN 42.95	MZN 81.51	MZN 86.47	MZN 84.69	
<b>Myanmar</b>								
Nay Pyi Taw 676		Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,169.92	MMK 1,208.00	MMK 1,255.00	MMK 1,285.00
	M		EUR 1 =	MMK 1,292.10	MMK 1,352.70	MMK 1,407.70	MMK 1,410.50	
<b>Namibia <sup>1</sup></b>								
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 12.9343	NAD 14.4686	NAD 13.8944	NAD 13.7438	
		M	EUR 1 =	NAD 14.2685	NAD 16.1144	NAD 15.5884	NAD 15.0700	
<b>Nepal</b>								
Kathmandu 672	Nepalese rupee = 100 paisa	B	USD 1 =	NPR 102.58	NPR 106.96	NPR 106.70	NPR 106.65	
		S	USD 1 =	NPR 103.18	NPR 107.56	NPR 107.30	NPR 107.25	
	NPR	B	EUR 1 =	NPR 113.13	NPR 119.45	NPR 119.72	NPR 116.35	
		S	EUR 1 =	NPR 113.79	NPR 120.12	NPR 120.40	NPR 117.01	
<b>Netherlands</b>								
Amsterdam Seat of Government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946	
<b>New Caledonia <sup>1</sup></b>								
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.30	USD 9.33	USD 9.35	USD 9.17	
		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 0.7138	USD 0.7397	USD 0.7418	USD 0.7311	
		S	NZD 1 =	USD 0.6883	USD 0.7136	USD 0.7156	USD 0.7052	
	NZD	B	NZD 1 =	EUR 0.6454	EUR 0.6655	EUR 0.6637	EUR 0.6688	
		S	NZD 1 =	EUR 0.6174	EUR 0.6370	EUR 0.6353	EUR 0.6400	

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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Nicaragua</b>							
Managua 432	Córdoba = 100 centavos  NIO	M	USD 1 =	NIO 27.3105	NIO 28.8516	NIO 28.9672	NIO 29.0872
		V, M	EUR 1 =	NIO 30.16196	NIO 32.11760	NIO 32.33029	NIO 31.83885
<b>Niger 1</b>							
Niamey 240	CFA franc  XOF	V	USD 1 =	XOF 591.219	XOF 589.254	XOF 587.722	XOF 599.266
		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 192.41	NGN 305.00	NGN 304.25	NGN 304.00
		S	USD 1 =	NGN 193.41	NGN 306.00	NGN 305.25	NGN 305.00
		B	EUR 1 =	NGN 213.1516	NGN 339.6480	NGN 339.4822	NGN 332.8800
		S	EUR 1 =	NGN 214.2602	NGN 340.7616	NGN 340.5980	NGN 333.9750
<b>Norway</b>							
Oslo 028	Norwegian krone = 100 øre  NOK	B	USD 1 =	NOK 8.0474	NOK 8.3133	NOK 8.0304	NOK 8.2218
		S	USD 1 =	NOK 8.1007	NOK 8.3783	NOK 8.0954	NOK 8.2868
		B	EUR 1 =	NOK 8.9594	NOK 9.2587	NOK 9.0033	NOK 9.0115
		S	EUR 1 =	NOK 9.0185	NOK 9.3307	NOK 9.0753	NOK 9.0835
<b>Oman</b>							
Muscat 649	Rial Omani = 1,000 baisa  OMR	B	USD 1 =	OMR 0.3840	OMR 0.3840	OMR 0.3840	OMR 0.3840
		S	USD 1 =	OMR 0.3850	OMR 0.3850	OMR 0.3850	OMR 0.3850
		B	EUR 1 =	OMR 0.4243904	OMR 0.4284288	OMR 0.4311936	OMR 0.4211712
		S	EUR 1 =	OMR 0.4256239	OMR 0.4295830	OMR 0.4324320	OMR 0.4224220
<b>Pakistan</b>							
Islamabad 662	Pakistani rupee = 100 paisa  PKR	B	USD 1 =	PKR 102.50	PKR 104.65	PKR 104.55	PKR 104.30
		S	USD 1 =	PKR 102.70	PKR 104.85	PKR 104.75	PKR 104.50
		B	EUR 1 =	PKR 113.65	PKR 116.74	PKR 117.26	PKR 114.41
		S	EUR 1 =	PKR 113.87	PKR 116.96	PKR 117.49	PKR 114.63
<b>Panama 1</b>							
Panama City 442	Balboa = 100 centésimos  PAB	3	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
		V	EUR 1 =	PAB 1.1095	PAB 1.1132	PAB 1.1161	PAB 1.0946
<b>Papua New Guinea</b>							
Port Moresby 801	Kina = 100 toea  PGK	B	PGK 1 =	USD 0.3671	USD 0.3230	USD 0.3230	USD 0.3230
		S	PGK 1 =	USD 0.3521	USD 0.3080	USD 0.3080	USD 0.3080
		B	PGK 1 =	EUR 0.3297	EUR 0.2878	EUR 0.2859	EUR 0.2922
		S	PGK 1 =	EUR 0.3150	EUR 0.2732	EUR 0.2714	EUR 0.2774

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 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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Paraguay</b>							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,221.61	PYG 5,519.80	PYG 5,550.17	PYG 5,717.30
		S	USD 1 =	PYG 5,234.91	PYG 5,535.84	PYG 5,560.62	PYG 5,729.68
	PYG	V, B	EUR 1 =	PYG 5,790.07	PYG 6,144.64	PYG 6,194.54	PYG 6,258.16
		V, S	EUR 1 =	PYG 5,804.81	PYG 6,162.50	PYG 6,206.21	PYG 6,271.71
<b>Peru 1</b>							
Lima 504	Nuevo sol / Sol = 100 céntimos	B	USD 1 =	PEN 3.186	PEN 3.390	PEN 3.397	PEN 3.360
		S	USD 1 =	PEN 3.190	PEN 3.395	PEN 3.403	PEN 3.365
	PEN	B	EUR 1 =	PEN 3.449	PEN 3.684	PEN 3.718	PEN 3.586
		S	EUR 1 =	PEN 3.670	PEN 3.862	PEN 3.927	PEN 3.788
<b>Philippines</b>							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 45.05641	PHP 45.90459	PHP 47.79675	PHP 47.70313
		S	USD 1 =	PHP 46.06485	PHP 47.25541	PHP 49.20325	PHP 49.10687
	PHP	B	EUR 1 =	PHP 49.84945	PHP 51.16067	PHP 53.65185	PHP 51.99641
		S	EUR 1 =	PHP 50.96459	PHP 52.66615	PHP 55.23065	PHP 53.52649
<b>Poland</b>							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.7730	PLN 3.9082	PLN 3.8558	PLN 3.9488
		M	EUR 1 =	PLN 4.1848	PLN 4.3555	PLN 4.3120	PLN 4.3267
<b>Portugal</b>							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Qatar</b>							
Doha 644	Qatari riyal = 100 dirham QAR	M	USD 1 =	QAR 3.6401	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.022	QAR 4.052	QAR 4.063	QAR 3.984
<b>Romania</b>							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 4.0062	RON 3.9945	RON 3.9822	RON 4.1131
		M	EUR 1 =	RON 4.4401	RON 4.4535	RON 4.4523	RON 4.5057
<b>Russian Federation</b>							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 61.2861	RUB 64.9072	RUB 63.1581	RUB 62.9037
		M	EUR 1 =	RUB 68.4684	RUB 72.5013	RUB 70.8823	RUB 68.6783

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

IV Overview of world currencies \*

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Rwanda</b>							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 713.556558	RWF 799.329920	RWF 802.212416	RWF 805.717110
		S	USD 1 =	RWF 727.826248	RWF 815.314904	RWF 818.255044	RWF 821.829824
	RWF	B	EUR 1 =	RWF 791.636938	RWF 890.693330	RWF 900.322995	RWF 885.241388
		S	EUR 1 =	RWF 807.468077	RWF 908.505397	RWF 918.327636	RWF 902.944428
<b>Saint Helena, Ascension and Tristan da Cunha</b>							
Jamestown 329	Saint Helena pound <sup>2</sup> = 100 pence  SHP	V	USD 1 =	SHP 0.65420	SHP 0.76182	SHP 0.77146	SHP 0.82267
		V	EUR 1 =	SHP 0.72584	SHP 0.84806	SHP 0.86103	SHP 0.90050
<b>Saint Kitts and Nevis</b>							
Basseterre 449	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9826	XCD 2.9925	XCD 3.0003	XCD 2.9425
		V, S	EUR 1 =	XCD 3.0144	XCD 3.0245	XCD 3.0323	XCD 2.9739
<b>Saint Lucia</b>							
Castries 465	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9826	XCD 2.9925	XCD 3.0003	XCD 2.9425
		V, S	EUR 1 =	XCD 3.0144	XCD 3.0245	XCD 3.0323	XCD 2.9739
<b>Saint Vincent and the Grenadines</b>							
Kingstown 467	East Caribbean dollar = 100 cents	B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 2.9826	XCD 2.9925	XCD 3.0003	XCD 2.9425
		V, S	EUR 1 =	XCD 3.0144	XCD 3.0245	XCD 3.0323	XCD 2.9739
<b>Samoa</b>							
Apia 819	Tala = 100 sene  WST	M	WST 1 =	USD 0.39008	USD 0.39539	USD 0.39757	USD 0.39492
		M	WST 1 =	EUR 0.35283	EUR 0.35494	EUR 0.35467	EUR 0.35946
<b>Sao Tome and Principe <sup>1</sup></b>							
São Tomé 311	Dobra = 100 céntimos	B	USD 1 =	STD 22,224.17	STD 21,937.68	STD 21,826.28	STD 22,431.79
		S	USD 1 =	STD 22,557.53	STD 22,266.74	STD 22,153.67	STD 22,768.27
	STD	M	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	B	USD 1 =	SAR 3.7440	SAR 3.7440	SAR 3.7440	SAR 3.7440
		S	USD 1 =	SAR 3.7540	SAR 3.7540	SAR 3.7540	SAR 3.7540
	SAR	B	EUR 1 =	SAR 4.0403	SAR 4.0898	SAR 4.1158	SAR 4.0201
		S	EUR 1 =	SAR 4.2823	SAR 4.3280	SAR 4.3544	SAR 4.2334

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.

#### 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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Senegal <sup>1</sup></b>							
Dakar 248	CFA franc	V	USD 1 =	XOF 591.219	XOF 589.254	XOF 587.722	XOF 599.266
	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 108.5753	RSD 110.1197	RSD 109.5668	RSD 111.9757
		S	USD 1 =	RSD 109.2288	RSD 110.7825	RSD 110.2262	RSD 112.6495
	RSD	B	EUR 1 =	RSD 120.3764	RSD 122.8276	RSD 122.9230	RSD 122.7925
		S	EUR 1 =	RSD 121.1008	RSD 123.5668	RSD 123.6628	RSD 123.5315
<b>Seychelles</b>							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 12.9659	SCR 12.8719	SCR 12.9513	SCR 13.0733
		S	USD 1 =	SCR 13.4927	SCR 13.5550	SCR 13.5706	SCR 13.6256
	SCR	B	EUR 1 =	SCR 14.3586	SCR 14.6472	SCR 14.8936	SCR 14.3441
		S	EUR 1 =	SCR 14.9151	SCR 15.1108	SCR 15.1112	SCR 14.9091
<b>Sierra Leone</b>							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 5,041.44	SLL 6,221.07	SLL 6,507.10	SLL 6,967.27
		S	USD 1 =	SLL 5,143.28	SLL 6,346.74	SLL 6,638.55	SLL 7,108.03
	SLL	V, B	EUR 1 =	SLL 5,565.69	SLL 6,925.30	SLL 7,262.57	SLL 7,626.37
		V, S	EUR 1 =	SLL 5,678.13	SLL 7,065.19	SLL 7,409.29	SLL 7,780.45
<b>Singapore <sup>1</sup></b>							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3764	SGD 1.3630	SGD 1.3656	SGD 1.3921
		M	EUR 1 =	SGD 1.5225	SGD 1.5204	SGD 1.5318	SGD 1.5273
<b>Sint Maarten (southern part)</b>							
Philipsburg 479	Netherlands Antillean guilder = 100 cent	B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 196.73	ANG 198.27	ANG 198.78	ANG 194.95
		S	EUR 100 =	ANG 200.69	ANG 202.26	ANG 202.79	ANG 198.88
<b>Slovakia</b>							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Slovenia</b>							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Solomon Islands</b>							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1260	USD 0.1268	USD 0.1275	USD 0.1266
		M	SBD 1 =	EUR 0.1145	EUR 0.1138	EUR 0.1136	EUR 0.1155

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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<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 12.6568	ZAR 14.4480	ZAR 13.6125	ZAR 13.3650
		S	USD 1 =	ZAR 12.9743	ZAR 14.7655	ZAR 13.9300	ZAR 13.6825
	ZAR	B	EUR 1 =	ZAR 14.0492	ZAR 16.0749	ZAR 15.2378	ZAR 14.5929
		S	EUR 1 =	ZAR 14.4799	ZAR 16.5058	ZAR 15.6719	ZAR 15.0243
<b>South Sudan <sup>1</sup></b>							
Juba 225	South Sudanese pound = 100 piastres	B	USD 1 =	SSP 2.9377 <sup>2</sup>	SSP .	SSP .	SSP .
		S	USD 1 =	SSP 2.9623 <sup>2</sup>	SSP .	SSP .	SSP .
	SSP	B	EUR 1 =	SSP 3.2421 <sup>3</sup>	SSP .	SSP .	SSP .
		S	EUR 1 =	SSP 3.2800 <sup>3</sup>	SSP .	SSP .	SSP .
<b>Spain</b>							
Madrid 011	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1095	USD 1.1132	USD 1.1161	USD 1.0946
<b>Sri Lanka</b>							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 134.72	LKR 143.62	LKR 144.66	LKR 146.02
		S	USD 1 =	LKR 138.24	LKR 147.40	LKR 148.46	LKR 149.78
	LKR	B	EUR 1 =	LKR 148.39	LKR 159.19	LKR 161.29	LKR 158.98
		S	EUR 1 =	LKR 154.02	LKR 165.36	LKR 167.50	LKR 165.11
<b>Sudan</b>							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 6.0172	SDG 6.0771	SDG 6.1986	SDG 6.4807
		S	USD 1 =	SDG 6.0473	SDG 6.1075	SDG 6.2296	SDG 6.5131
	SDG	B	EUR 1 =	SDG 6.6521	SDG 6.7796	SDG 6.9623	SDG 7.1106
		S	EUR 1 =	SDG 6.6854	SDG 6.8135	SDG 6.9971	SDG 7.1462
<b>Suriname</b>							
Paramaribo 492	Suriname dollar = 100 cent	B	USD 1 =	SRD 3.368	SRD 7.398	SRD 7.595	SRD 6.949
		S	USD 1 =	SRD 3.465	SRD 7.530	SRD 7.730	SRD 7.073
	SRD	B	EUR 1 =	SRD 3.712	SRD 8.262	SRD 8.522	SRD 7.590
		S	EUR 1 =	SRD 3.819	SRD 8.410	SRD 8.674	SRD 7.725
<b>Swaziland <sup>1</sup></b>							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 12.8764	SZL 14.4240	SZL 13.9988	SZL 13.7275
		S	USD 1 =	SZL 12.9196	SZL 14.4740	SZL 14.0488	SZL 13.7775
	SZL	B	EUR 1 =	SZL 14.19967	SZL 16.0683	SZL 15.6534	SZL 15.0398
		S	EUR 1 =	SZL 14.24928	SZL 16.1269	SZL 15.7107	SZL 15.0960
<b>Sweden</b>							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.4006	SEK 8.5097	SEK 8.5862	SEK 8.9651
		S	USD 1 =	SEK 8.4681	SEK 8.5772	SEK 8.6537	SEK 9.0326
	SEK	B	EUR 1 =	SEK 9.3083	SEK 9.4971	SEK 9.6155	SEK 9.8449
		S	EUR 1 =	SEK 9.3598	SEK 9.5486	SEK 9.6670	SEK 9.8964

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> Pegged to the US dollar until mid-December 2015. <sup>3</sup> Average from January to November 2015.

#### 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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Switzerland</b>							
Berne 039	Swiss franc = 100 rappen / centimes CHF	B	USD 1 =	CHF 0.9626	CHF 0.9826	CHF 0.9684	CHF 0.9884
		B	EUR 1 =	CHF 1.0635	CHF 1.0956	CHF 1.0829	CHF 1.0828
<b>Syrian Arab Republic</b>							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 241.34	SYP 497.07	SYP 497.07	SYP 497.07
		S	USD 1 =	SYP 242.80	SYP 500.06	SYP 500.06	SYP 500.06
		B	EUR 1 =	SYP 265.85	SYP 554.31	SYP 557.95	SYP 545.80
		S	EUR 1 =	SYP 267.72	SYP 558.20	SYP 561.87	SYP 549.64
<b>Tajikistan</b>							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 6.1934	TJS 7.8695	TJS 7.8722	TJS 7.8753
		M	EUR 1 =	TJS 6.8665	TJS 8.7894	TJS 8.8350	TJS 8.5990
<b>Tanzania, United Republic of</b>							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 1,990.8787	TZS 2,165.7327	TZS 2,162.0000	TZS 2,164.8614
		S	USD 1 =	TZS 2,010.7875	TZS 2,187.3900	TZS 2,183.6200	TZS 2,186.5100
		B	EUR 1 =	TZS 2,195.1744	TZS 2,415.4417	TZS 2,422.9534	TZS 2,366.1935
		S	EUR 1 =	TZS 2,217.5630	TZS 2,440.4710	TZS 2,447.4013	TZS 2,390.0741
<b>Thailand</b>							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 34.1461	THB 34.4603	THB 34.5243	THB 34.8590
		S	USD 1 =	THB 34.4524	THB 34.8079	THB 34.8755	THB 35.1829
		B	EUR 1 =	THB 37.6767	THB 38.2092	THB 38.4972	THB 38.0075
		S	EUR 1 =	THB 38.3431	THB 38.9770	THB 39.2818	THB 38.7762
<b>Togo <sup>1</sup></b>							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 591.219	XOF 589.254	XOF 587.722	XOF 599.266
		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 0.4723	USD 0.4555	USD 0.4595	USD 0.4554
		M	TOP 1 =	EUR 0.4279	EUR 0.4075	EUR 0.4083	EUR 0.4131
<b>Trinidad and Tobago</b>							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.3181	TTD 6.6561	TTD 6.6871	TTD 6.6755
		S	USD 1 =	TTD 6.3733	TTD 6.7201	TTD 6.7392	TTD 6.7531
		B	EUR 1 =	TTD 6.9266	TTD 7.5605	TTD 7.4208	TTD 7.2913
		S	EUR 1 =	TTD 7.2816	TTD 7.9256	TTD 7.8188	TTD 7.6255

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 2015	Rate at end of month		
					August 2016	September 2016	October 2016
<b>Tunisia</b>							
Tunis 212	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 1.9524	TND 2.2023	TND 2.1923	TND 2.2370
		S	USD 1 =	TND 1.9563	TND 2.2046	TND 2.1944	TND 2.2393
	TND	B	EUR 1 =	TND 2.1625	TND 2.4553	TND 2.4583	TND 2.4489
		S	EUR 1 =	TND 2.1668	TND 2.4578	TND 2.4607	TND 2.4513
<b>Turkey</b>							
Ankara 052	Turkish lira = 100 kuruş	B	USD 1 =	TRY 2.7200	TRY 2.9545	TRY 2.9959	TRY 3.0998
		S	USD 1 =	TRY 2.7249	TRY 2.9598	TRY 3.0013	TRY 3.1054
	TRY	B	EUR 1 =	TRY 3.0326	TRY 3.3040	TRY 3.3608	TRY 3.3834
		S	EUR 1 =	TRY 3.0381	TRY 3.3100	TRY 3.3669	TRY 3.3895
<b>Turkmenistan</b>							
Ashgabat 080	Turkmen manat = 100 tenge TMT	M	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 3.8786	TMT 3.9081	TMT 3.9274	TMT 3.8434
<b>Uganda</b>							
Kampala 350	Uganda shilling	B	USD 1 =	UGX 3,257.40	UGX 3,370.64	UGX 3,383.56	UGX 3,460.15
		S	USD 1 =	UGX 3,267.41	UGX 3,380.64	UGX 3,393.56	UGX 3,470.15
	UGX	B	EUR 1 =	UGX 3,594.17	UGX 3,758.60	UGX 3,799.74	UGX 3,780.91
		S	EUR 1 =	UGX 3,605.22	UGX 3,769.75	UGX 3,810.97	UGX 3,791.83
<b>Ukraine</b>							
Kyiv 072	Hryvnia = 100 kopiyok UAH	M	USD 100 =	UAH 2,199.5317	UAH 2,565.2241	UAH 2,591.1879	UAH 2,549.5951
		M	EUR 100 =	UAH 2,434.6740	UAH 2,864.8423	UAH 2,907.5719	UAH 2,784.6678
<b>United Arab Emirates <sup>1</sup></b>							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils AED	M	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
		V, M	EUR 1 =	AED 4.0565	AED 4.0882	AED 4.0989	AED 4.0199
<b>United Kingdom <sup>1</sup></b>							
London 006	Pound sterling = 100 pence GBP	M	GBP 1 =	USD 1.5286	USD 1.3099	USD 1.2991	USD 1.2214
		M	EUR 1 =	GBP 0.7236	GBP 0.8500	GBP 0.8652	GBP 0.8975
<b>United States</b>							
Washington 400	US dollar = 100 cents USD	M	EUR 1 =	USD 1.10306	USD 1.1156	USD 1.1238	USD 1.0979
		M	GBP 1 =	USD 1.52887	USD 1.3137	USD 1.2975	USD 1.2242

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 2015	Rate at end of month			
					August 2016	September 2016	October 2016	
<b>Uruguay</b>								
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 27.389	UYU 28.798	UYU 28.380	UYU 28.279	
		M	EUR 1 =	UYU 30.3701	UYU 32.1256	UYU 31.8977	UYU 31.0206	
<b>Uzbekistan</b>								
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 2,575.45	UZS 2,989.64	UZS 3,010.20	UZS 3,083.96	
		M	EUR 1 =	UZS 2,871.14	UZS 3,383.67	UZS 3,379.55	UZS 3,388.35	
<b>Vanuatu</b>								
Port Vila 816	Vatu  VUV	B	USD 1 =	VUV 108.71	VUV 108.18	VUV 107.23	VUV 107.64	
		S	USD 1 =	VUV 114.17	VUV 113.61	VUV 112.62	VUV 113.61	
		B	EUR 1 =	VUV 119.79	VUV 120.32	VUV 120.45	VUV 118.48	
		S	EUR 1 =	VUV 124.37	VUV 124.93	VUV 125.06	VUV 123.14	
<b>Venezuela, Bolivarian Republic of <sup>1</sup></b>								
Caracas 484	Bolívar = 100 céntimos  VEF	2	B	USD 1 =	VEF 6.2842	VEF 9.975	VEF 9.975	VEF 9.975
			S	USD 1 =	VEF 6.3000	VEF 10.000	VEF 10.000	VEF 10.000
		B	S	EUR 1 =	VEF 6.94027048	VEF 11.1251175	VEF 11.2049175	VEF 10.9485600
			S	EUR 1 =	VEF 6.95987250	VEF 11.1580000	VEF 11.2340000	VEF 10.9810000
		3	B	USD 1 =	VEF 195.6779	VEF 643.7656	VEF 657.2380	VEF 657.4473
			S	USD 1 =	VEF 196.1683	VEF 645.3791	VEF 658.8853	VEF 659.0951
		B	S	EUR 1 =	VEF 215.634902	VEF 717.991774	VEF 738.275445	VEF 721.614156
			S	EUR 1 =	VEF 216.241590	VEF 720.114000	VEF 740.191746	VEF 723.752329
<b>Viet Nam</b>								
Hanoi 690	Dong = 10 hào = 100 xu  VND	B	S	USD 1 =	VND 21,926	VND 22,265	VND 22,265	VND 22,285
			S	USD 1 =	VND 21,993	VND 22,335	VND 22,335	VND 22,355
		B	S	EUR 1 =	VND 24,064.95	VND 24,725.06	VND 24,788.34	VND 24,349.51
			S	EUR 1 =	VND 24,381.26	VND 24,971.19	VND 25,035.04	VND 24,592.27
<b>Yemen</b>								
Sana'a 653	Yemeni rial = 100 fils  YER	B	S	USD 1 =	YER 214.87	YER 250.00	YER 250.00	YER 250.00
			S	USD 1 =	YER 214.91	YER 250.50	YER 250.50	YER 250.50
		B	S	EUR 1 =	YER 237.37	YER 278.83	YER 280.75	YER 274.18
			S	EUR 1 =	YER 237.41	YER 279.38	YER 281.31	YER 274.72
<b>Zambia</b>								
Lusaka 378	Kwacha = 100 ngwee  ZMW	B	S	USD 1 =	ZMW 8.7719	ZMW 9.5086	ZMW 9.9159	ZMW 9.6767
			S	USD 1 =	ZMW 8.7919	ZMW 9.5552	ZMW 9.9624	ZMW 9.7250
		B	S	EUR 1 =	ZMW 9.6840	ZMW 10.5878	ZMW 11.0751	ZMW 10.5912
			S	EUR 1 =	ZMW 9.7081	ZMW 10.6436	ZMW 11.1300	ZMW 10.6480

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> Until end-February 2016: official rate; since end-March 2016: DIPRO. <sup>3</sup> Until

end-February 2016: SIMADI (the annual averages relate to the period February to December 2015); since end-March 2016: DICOM.



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

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

SDR 1 <sup>1</sup> = 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
2012 Oct	1.54057	1.18569	9.70591	122.691	0.955922	1.53995	1.43057	8.84502	8.75695	10.2185
Nov	1.53481	1.18190	9.65270	126.545	0.955849	1.52437	1.41970	8.81686	8.71771	10.2063
Dec	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013 Jan	1.54134	1.13752	9.67886	140.369	0.976582	1.54010	1.40508	8.48738	8.45745	9.80286
Feb	1.51483	1.15380	9.50995	140.092	0.997128	1.55800	1.41000	8.60274	8.63849	9.7482
Mar	1.49920	1.16987	9.39832	140.999	0.990619	1.52139	1.42738	8.73332	8.71612	9.76134
Apr	1.50900	1.15437	9.35769	147.746	0.974488	1.51986	1.41288	8.60704	8.78194	9.89844
May	1.49877	1.15237	9.26175	151.420	0.985125	1.54958	1.42892	8.59166	8.77408	9.87264
June	1.50396	1.14982	9.29247	148.696	0.98743	1.57594	1.42094	8.57618	9.06569	10.0970
July	1.51326	1.13993	9.35008	148.390	0.995827	1.55669	1.40521	8.49755	8.96604	9.94194
Aug	1.51528	1.14490	9.35060	148.997	0.977536	1.59907	1.40951	8.54022	9.26286	9.99111
Sep	1.53408	1.13594	9.43156	149.957	0.949722	1.57780	1.38865	8.47185	9.21693	9.86368
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	9.18905	10.0835
Dec	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014 Jan	1.53420	1.13510	9.37884	157.747	0.932079	1.70588	1.38431	8.46998	9.6609	10.0125
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

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	
2016 Aug	1	1.39693	1.25128	9.27265	143.102	1.059810	.	1.35349	9.30813	11.8190	11.9516
	2	1.39924	1.25010	9.29290	143.352	1.057150	1.83146	1.35166	9.29947	11.7963	11.9813
	3	1.40142	1.25127	9.29005	141.894	1.050070	1.83306	1.35700	9.30787	11.7914	11.9383
	4	1.39776	1.25517	9.27876	141.663	1.052130	1.82058	1.36114	9.33637	11.8135	11.9569
	5	1.39726	1.25248	9.28212	141.473	1.061830	1.84159	1.36149	9.31498	11.7760	11.9112
	8	1.39205	1.25557	9.27231	142.128	1.065400	1.83249	1.36699	9.33742	11.8105	11.9406
	9	1.39140	1.25600	9.26982	142.410	1.071630	1.82510	1.36775	9.34047	11.7525	11.9453
	10	1.39714	1.24923	9.28764	141.810	1.069130	1.82467	1.36557	9.29230	11.5643	11.8944
	11	1.39505	1.25083	9.26535	.	1.074770	1.81454	1.36003	9.30440	11.5443	11.8008
	12	1.39423	1.24953	9.26355	142.267	1.075540	1.80483	1.35979	9.29627	11.4501	11.7875
	15	1.39557	1.24828	9.26733	141.372	1.080250	1.80336	1.35971	9.28781	11.4532	11.8148
	16	1.40211	1.24135	9.29454	140.603	1.080210	1.80339	1.34855	9.23523	11.4329	11.8182
	17	1.40120	1.24264	9.29135	140.821	1.077190	1.80545	1.34964	9.24684	11.5332	11.7900
	18	1.40555	1.24154	9.31541	140.274	1.068530	1.79559	1.34694	9.23924	11.4706	11.7744
	19	1.40542	1.24088	9.34117	141.034	1.071200	1.80990	1.34583	9.23429	11.5461	11.7643
	22	1.40343	1.24131	9.34475	141.409	1.072460	1.81631	1.35220	9.23788	11.5791	11.8124
	23	1.40647	1.24038	9.34143	140.829	1.067040	1.81462	1.35288	9.23131	11.5201	11.7429
	24	1.40485	1.24676	9.34745	140.977	1.060910	1.81788	1.35568	9.27988	11.5275	11.7774
	25	1.40460	1.24411	9.34719	141.092	1.064330	1.81713	1.35558	9.26123	11.5418	11.8043
	26	1.40453	1.24405	9.36110	141.085	1.063960	1.81845	1.35860	9.26346	11.5076	11.7971
	29	1.39671	1.25041	9.32749	142.353	1.067410	1.81837	1.36584	9.30951	11.5952	11.8533
	30	1.39584	1.24986	9.32323	142.292	1.066830	1.82520	1.36750	9.30492	11.6078	11.8617
	31	1.39434	1.25255	9.31255	143.561	1.061310	1.82993	1.37245	9.32297	11.6193	11.9107
Sep	1	1.39542	1.25195	9.32158	144.245	1.05347	1.82898	1.37365	9.31680	11.6494	11.9910
	2	1.39709	1.24818	9.33210	144.319	1.05385	1.81607	1.36872	9.28686	11.6293	11.9610
	6	1.39746	1.25232	9.33559	144.637	1.04828	1.79476	1.36770	9.31914	11.5355	11.9333
	7	1.40340	1.24891	9.35314	142.375	1.04880	1.80969	1.35906	9.29696	11.4829	11.8778
	8	1.40510	1.24389	9.36268	142.842	1.05077	1.81384	1.35957	9.25814	11.4375	11.8391
	9	1.40206	1.24429	9.36505	143.361	1.05300	1.82731	1.36617	9.26106	11.5059	11.8389
	12	1.40048	1.24754	9.35480	143.732	1.05577	1.83141	1.36589	9.28591	11.5663	11.8895
	13	1.40081	1.24549	9.35699	142.742	1.05562	1.84444	1.36144	9.27111	11.4978	11.9131
	14	1.39920	1.24728	9.33489	144.257	1.06008	1.84540	1.36492	9.28496	11.5683	11.9077
	15	1.40031	1.24428	.	143.518	1.05892	1.84085	1.36321	9.26535	11.5281	11.9352
	16	1.39988	1.24700	.	142.717	1.06285	1.84966	1.36516	9.28652	11.5503	11.8831
	19	1.39579	1.25015	9.30882	.	1.06957	1.83979	1.36941	9.31394	11.5645	11.9587
	20	1.39560	1.24786	9.30977	142.240	1.07611	1.84610	1.36476	9.29904	11.5612	11.9255
	21	1.39503	1.25114	9.30709	141.986	1.07326	1.83948	1.36224	9.32671	11.5503	12.0015
	22	1.40028	1.24602	9.33977	.	1.07277	1.82583	1.35519	9.28824	11.3479	12.0468
	23	1.39891	1.24747	9.33045	141.290	1.07825	1.84167	1.35723	9.30016	11.3555	11.9441
	26	1.39962	1.24278	9.33628	141.081	1.08279	1.84707	1.35441	9.26355	11.3488	11.9646
	27	1.40022	1.24797	9.33611	141.114	1.08075	1.85501	1.35611	9.29748	11.3699	11.9353
	28	1.39910	1.24642	9.33297	140.722	1.07474	1.85269	1.35895	9.28721	11.3284	12.0240
	29	1.39830	1.24615	9.32784	141.788	1.07438	1.83191	1.35733	9.28669	11.2656	11.9826
	30	1.39581	1.25062	9.31064	141.089	1.07693	1.83089	1.35980	9.31871	11.2387	12.0301
Oct	3	1.39768	1.24393	.	141.739	1.08474	1.83614	1.35687	9.26269	11.1488	11.9752
	4	1.39274	1.24786	.	142.060	1.09106	1.83424	1.36433	9.28634	11.1279	11.9713
	5	1.39327	1.24277	.	143.297	1.09490	1.83604	1.36164	9.24838	11.1690	11.9403
	6	1.39106	1.24369	.	143.919	1.09481	1.83760	1.36102	9.25463	11.1854	11.9687
	7	1.38611	1.24426	.	143.878	1.11982	1.84408	1.36061	9.25797	11.1996	12.0091
	11	1.38229	1.24766	9.28135	143.689	1.12775	1.83001	1.36501	9.28410	11.2782	12.0444
	12	1.38012	1.25237	9.26801	143.021	1.12617	1.83238	1.36521	9.31758	11.3077	12.1783
	13	1.37956	1.24983	9.27893	144.164	1.13032	1.82364	1.36480	9.29809	11.3444	12.2292
	14	1.37864	1.25308	9.27119	143.130	1.12680	1.81539	1.36375	9.32262	11.3088	12.1511
	17	1.37707	1.25257	9.28005	143.491	1.13227	1.80920	1.36192	9.31906	11.3125	12.1568
	18	1.37931	1.25472	9.29515	143.200	1.12313	1.80745	1.36386	9.33602	11.2380	12.1406
	19	1.37907	1.25610	9.29428	143.148	1.12101	1.80755	1.36404	9.34649	11.2528	12.1693
	20	1.37791	1.25493	9.28652	142.793	1.12391	1.81857	1.36234	9.33698	11.2473	12.1707
	21	1.37353	1.26174	9.28126	143.012	1.12502	1.83009	1.36598	9.38518	11.2974	12.2253
	24	1.37361	1.26123	9.29757	142.773	1.12223	1.83899	1.36468	9.38289	11.3328	12.2383
	25	1.37220	1.26214	9.29964	143.340	1.12172	1.82969	1.36479	9.38870	11.3426	12.2396
	26	1.37406	1.25772	9.29990	143.383	1.12499	1.83574	1.36265	9.35559	11.3729	12.2544
	27	1.37378	1.25724	9.31107	143.643	1.12054	1.83895	1.36225	9.35078	11.2973	12.2249
	28	1.37171	1.25591	9.29964	144.372	1.13037	1.83603	1.36403	9.34178	11.3591	12.3961
	31	1.37385	1.25511	9.30085	143.979	1.12879	1.84137	1.35874	9.33724	11.3393	12.3613
Nov	1	1.37770	1.24962	9.33393	144.452	1.12613	1.84323	1.35359	9.29575	11.2732	12.3875
	2	1.38316	1.24665	9.35602	143.600	1.12356	1.85205	1.34291	9.27455	11.3115	12.3551
	3	1.38341	1.25037	9.35086	.	1.11015	1.85183	1.34689	9.30354	11.3253	12.3151
	4	1.38525	1.24876	9.36680	142.764	1.10833	1.85790	1.34660	9.29221	11.3759	12.4013
	7	1.38105	1.24846	9.35690	144.236	1.11222	1.84825	1.34845	9.28962	11.3653	12.4360
	8	1.37941	1.24969	9.34824	144.079	1.11189	1.83972	1.34713	9.29999	11.3414	12.4252

## VI Global exchange rate arrangements and monetary policy framework \*

As of end-April 2015

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 Tuvalu			
<b>Currency board</b>	Djibouti Hong Kong  <b>ECCU <sup>2</sup></b>  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 South Sudan Turkmenistan United Arab Emirates Venezuela, Bolivarian Republic of	Cabo Verde Comoros Denmark <sup>4</sup> Sao Tome and Principe  <b>WAEMU <sup>5</sup></b>  Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo  <b>CAEMC <sup>6</sup></b>  Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Morocco Samoa	Bhutan Lesotho Namibia Nepal Swaziland			Solomon Islands <sup>3</sup>
<b>Stabilised arrangement</b>	Cambodia Guyana Lebanon Maldives Suriname Trinidad and Tobago	Macedonia, former Yugoslav Republic	Singapore Viet Nam <sup>7</sup>		Bangladesh <sup>7</sup> Bolivia, Plurinational State of <sup>7</sup> Burundi <sup>7</sup> Congo, Democratic Republic of the <sup>7</sup> Guinea <sup>7</sup> Sri Lanka <sup>7</sup> Yemen <sup>7</sup>	Czech Republic <sup>8</sup>	Azerbaijan <sup>7</sup> Costa Rica Egypt <sup>7</sup> Kazakhstan <sup>9</sup> Mauritania <sup>8</sup>
<b>Crawling peg</b>	Honduras <sup>8</sup> Nicaragua		Botswana				
<b>Crawl-like arrangement</b>	Jamaica <sup>9</sup>	Croatia	Iran, Islamic Republic of <sup>7 8 10</sup> Libya		Belarus <sup>7</sup> China <sup>7</sup> Ethiopia <sup>7</sup> Rwanda <sup>8</sup> Tajikistan <sup>7</sup> Uzbekistan <sup>7</sup>	Armenia <sup>7</sup> Dominican Republic <sup>7</sup> Guatemala <sup>7</sup>	Angola <sup>7</sup> Argentina <sup>7</sup> Haiti <sup>7</sup> Lao People's Dem. Rep. <sup>7</sup> Papua New Guinea Switzerland <sup>11</sup> Tunisia <sup>3 9</sup>

VI Global exchange rate arrangements and monetary policy framework \*

As of end-April 2015

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>Pegged exchange rate within horizontal bands</b>			Tonga				
<b>Other managed arrangement</b>	Liberia		Algeria Syrian Arab Republic		Myanmar Nigeria		Kyrgyzstan Malaysia Pakistan Sudan Vanuatu
<b>Floating</b>					Afghanistan Gambia Madagascar Malawi Mozambique Seychelles Sierra Leone Tanzania, United Republic of Ukraine Uruguay	Albania Brazil Colombia Georgia Ghana Hungary Iceland India Indonesia Israel Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Romania Russian Federation Serbia South Africa Thailand Turkey Uganda	Kenya <sup>9</sup> Mauritius Mongolia Zambia
<b>Free floating</b>						Australia Canada Chile Japan Mexico Norway Poland Sweden United Kingdom	Somalia United States  <b>EMU</b> Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2015, Table 2, IMF, Washington. \* See Explanatory notes, pp 54–55. <sup>1</sup> Includes countries that have no explicitly stated nominal anchor but rather monitor various indicators in conducting monetary policy. <sup>2</sup> The members participate in the Eastern Caribbean Currency Union. <sup>3</sup> The country maintains a de facto exchange rate anchor to a composite. <sup>4</sup> The member participates in the ERM II. <sup>5</sup> The members participate in the West African Economic and Monetary Union. <sup>6</sup> The members participate in the Central

African Economic and Monetary Community. <sup>7</sup> The country maintains a de facto exchange rate anchor to the US dollar. <sup>8</sup> The exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously published classification. <sup>9</sup> The central bank has taken preliminary steps toward inflation targeting. <sup>10</sup> The exchange rate arrangement was reclassified twice during this reporting period. <sup>11</sup> The country maintains a de facto exchange rate anchor to the euro.

## VII ISO currency codes \*

As of end-October 2016

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

\* Extracted and compiled from ISO communications. <sup>1</sup> See Explanatory notes on individual countries, p 57 ff.







## ■ Explanatory notes

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

On 1 January 1999, 11 member states of the European Union initially adopted the euro as their single currency. On 1 January 2001, Greece joined European Monetary Union, 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 2015, 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 2015, pp 40-42).

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<sup>o</sup>

Figures in %

As of August 2015

Trading partner	Calculation period for weights											
	EER-19						EER-38					
	1995 to 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	2010 to 2012	1995 to 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	2010 to 2012
	Period of use of weights											
	Up to end of 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	From 2010	Up to end of 1997	1998 to 2000	2001 to 2003	2004 to 2006	2007 to 2009	From 2010
<b>EER-38 group</b>							100	100	100	100	100	100
<b>EER-19 group</b>	100	100	100	100	100	100						
Australia	0.95	0.87	0.90	0.92	0.91	0.96	0.77	0.71	0.74	0.75	0.73	0.76
Bulgaria	0.32	0.36	0.45	0.55	0.63	0.62	0.26	0.30	0.37	0.44	0.51	0.49
Canada	1.81	1.91	1.91	1.77	1.63	1.52	1.47	1.57	1.57	1.44	1.32	1.21
China	5.48	6.47	9.21	13.82	18.37	22.18	4.44	5.32	7.58	11.20	14.78	17.67
Croatia	0.66	0.54	0.61	0.65	0.63	0.47	0.54	0.44	0.50	0.53	0.51	0.37
Czech Republik	2.71	2.91	3.65	4.19	5.07	5.18	2.20	2.39	3.01	3.40	4.08	4.12
Denmark	3.19	2.84	2.80	2.72	2.65	2.17	2.59	2.34	2.30	2.20	2.13	1.73
Hong Kong	2.43	2.08	1.87	1.87	1.67	1.78	1.97	1.71	1.54	1.52	1.35	1.42
Hungary	1.88	2.62	3.02	3.16	3.17	2.85	1.52	2.16	2.48	2.56	2.55	2.27
Japan	11.87	10.76	9.21	8.22	7.14	6.69	9.63	8.85	7.58	6.66	5.75	5.33
Korea, Republic of	3.58	3.30	3.41	3.99	3.99	3.97	2.91	2.72	2.81	3.23	3.21	3.16
Norway	1.59	1.42	1.27	1.31	1.33	1.19	1.29	1.17	1.05	1.06	1.07	0.95
Poland	2.92	3.37	3.97	4.88	6.24	6.40	2.37	2.78	3.27	3.95	5.02	5.10
Romania	0.87	0.98	1.36	1.71	1.96	2.08	0.70	0.80	1.12	1.39	1.57	1.66
Singapore	2.26	1.93	1.69	1.74	1.48	1.58	1.84	1.59	1.39	1.41	1.19	1.26
Sweden	5.87	5.34	4.79	5.08	4.84	4.52	4.77	4.39	3.95	4.12	3.90	3.60
Switzerland	8.28	7.27	7.09	6.63	6.61	6.91	6.72	5.98	5.84	5.37	5.32	5.51
United Kingdom	22.67	21.46	20.13	17.61	14.88	12.99	18.40	17.65	16.58	14.26	11.97	10.34
United States	20.66	23.55	22.65	19.15	16.81	15.93	16.77	19.37	18.65	15.51	13.52	12.68
<b>Additional countries in the EER-38 group</b>												
Algeria							0.31	0.28	0.35	0.35	0.38	0.40
Argentina							0.57	0.49	0.27	0.26	0.30	0.38
Brazil							1.50	1.38	1.21	1.24	1.38	1.43
Chile							0.34	0.31	0.32	0.42	0.42	0.41
China (Taiwan)							2.28	2.38	2.09	1.83	1.50	1.52
Iceland							0.05	0.06	0.07	0.08	0.09	0.09
India							1.46	1.35	1.46	1.76	2.15	2.45
Indonesia							1.01	0.78	0.73	0.61	0.62	0.69
Israel							1.06	1.01	0.88	0.72	0.67	0.68
Malaysia							1.21	1.15	1.17	1.13	1.05	1.02
Mexico							0.87	1.18	1.28	1.19	1.20	1.33
Morocco							0.63	0.62	0.57	0.61	0.58	0.59
New Zealand							0.13	0.11	0.13	0.13	0.11	0.10
Philippines							0.40	0.52	0.50	0.42	0.30	0.28
Russian Federation							2.49	1.83	2.22	2.98	3.47	3.49
South Africa							0.94	0.89	0.92	1.03	0.95	0.98
Thailand							1.20	0.99	1.02	1.04	1.10	1.12
Turkey							2.16	2.21	2.30	3.04	3.13	3.26
Venezuela, Bolivarian Republic of							0.23	0.22	0.18	0.16	0.15	0.15

<sup>o</sup> 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.

## ■ 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 2015 (see Table VI, pp 46-47) is based on the IMF's *Annual Report on Exchange Arrangements and Exchange Restrictions 2015*, 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

There is a black market in which, according to financial information providers, the exchange rate was at 600 kwanza to the US dollar at the beginning of September 2016.

## 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.

## Belarus

With effect from 1 July 2016, a currency changeover took place at the ratio of 10,000 old Belarusian rouble (BYR) = 1 new Belarusian rouble (BYN); the (old) Belarusian rouble will also remain legal tender in this ratio until the end of December 2016.

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

## 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.

## Egypt

On 3 November 2016, the de facto peg of the Egyptian pound to the US dollar was abandoned.

We recorded the following exchange rates (buying/selling) from the Central Bank of Egypt:

2 November 2016 USD 1 = EGP 8.8583 / 8.8800  
EUR 1 = EGP 9.8274 / 9.8524

3 November 2016 USD 1 = EGP 13.5277 / 14.2757  
EUR 1 = EGP 15.0076 / 15.8389.

Calculated using these exchange rates, the Egyptian pound experienced a devaluation of 36.2% against the US dollar and the euro (on average).

## El Salvador

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

## Equatorial Guinea

See Explanatory notes on Cameroon.

## Gabon

See Explanatory notes on Cameroon.

## Greece

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

## Guinea-Bissau

See Explanatory notes on Benin.

## India

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

## Iran, Islamic Republic of

Alongside the official, published exchange rate, there is a different, bureau de change rate. According to the German Embassy in Tehran, it was 36,150 Iranian rials to the US dollar and 39,740 Iranian rials to the euro at the end of October 2016.

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

## 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.

## 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.

## 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

There is a black market in which, according to press reports, the exchange rate was over 470 naira to the US dollar at the end of September 2016.

## Panama

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

## Peru

On 15 December 2015, the currency name was changed from Nuevo Sol (PEN) to Sol (PEN).

## 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

## Swaziland

The South African rand is likewise legal tender alongside the lilangeni.

## 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

The exchange rate regime was modified with effect from 10 March 2016. A new system of foreign exchange controls came into force, replacing the previous system which was made up of the official market, the auction procedure SICAD (Sistema Complementario de Administración de Divisas) and the forex trading system SIMADI (Sistema Marginal de Divisas). The new system consists of two exchange rates: one fixed by the state (DIPRO) and a complementary exchange rate (DICOM), which is a controlled fluctuating rate.

There is still a black market in which, according to press reports, the exchange rate was over 1,500 bolívar to the US dollar at the beginning of November 2016.

Exchange rate application until 9 March 2016

Official exchange rate

For debt service payments by public-sector entities and for authorised transactions.

SIMADI

For the purchase of foreign exchange by natural and legal persons, eg in the form of foreign notes and coins and currency cheques (including traveller's cheques) and for the sale of foreign currency to domestic households and importers in the form of foreign notes and coins as well as traveller's cheques or for credit transfers.

SICAD

For the purchase of foreign currency by registered importers and registered domestic households (eg for university studies abroad and for health, sports and culture-related purposes). The last auction rate was USD 1 = VEF 13.50.

Exchange rate application since 10 March 2016

#### DIPRO

For priority goods, services and remittances as well as for the purchase of food, medicine and basic goods and for the settlement of public external debt. In addition, for payments made in connection with transactions and investments in the areas of health care, sports, culture and sciences and other particularly urgent cases such as payments for stays abroad for academic purposes.

#### DICOM

For all transactions that are not included in the DIPRO (eg private trips abroad, applications for foreign currency payments by credit card, sales of foreign currency by diplomatic missions and consulates as well as the sale of foreign currency generated through the export and sale of mineral oil products).