



# Exchange rate statistics January 2019

Statistical Supplement 5  
to the Monthly Report

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## Abbreviations and symbols

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	Data unknown, not to be published or not meaningful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

Discrepancies in the totals are due to rounding.



## I. Euro area and exchange rate stability convergence criterion

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

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

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

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

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

Source: ECB. \* One prerequisite before an EU Member State can join the euro area is that its currency must have observed the normal fluctuation margins of Exchange Rate Mechanism II (the standard fluctuation band is  $\pm 15\%$ ) for at least two years without devaluing against the euro. The Danish krone has a fluctuation band of  $\pm 2.25\%$  on either side of the central rate. <sup>1</sup> According to the EU communiqué of 31 December 1998. <sup>2</sup> Until 31 December 2000; accession to the euro area on 1 January

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

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

### 1. Daily rates

EUR 1 = CU ...

Period		EU member countries							
		Bulgaria Bulgarian lev BGN	Croatia Kuna HRK	Czechia Czech koruna CZK	Denmark Danish krone DKK	Hungary Hungarian forint HUF	Poland Polish zloty PLN	Romania Romanian leu RON	Sweden Swedish krona SEK
2018 Oct.	1	1.9558	7.4330	25.765	7.4557	323.04	4.2796	4.6605	10.3300
	2	1.9558	7.4316	25.788	7.4561	323.47	4.2907	4.6671	10.3815
	3	1.9558	7.4270	25.779	7.4567	322.87	4.2956	4.6648	10.3795
	4	1.9558	7.4240	25.780	7.4567	324.43	4.3071	4.6723	10.4015
	5	1.9558	7.4225	25.742	7.4589	324.59	4.3045	4.6708	10.4438
	8	1.9558	7.4225	25.737	7.4599	324.94	4.3081	4.6675	10.4463
	9	1.9558	7.4200	25.805	7.4592	325.29	4.3155	4.6675	10.4445
	10	1.9558	7.4100	25.807	7.4601	325.05	4.3096	4.6640	10.4800
	11	1.9558	7.4170	25.848	7.4603	324.97	4.3167	4.6673	10.4120
	12	1.9558	7.4115	25.777	7.4602	324.15	4.2936	4.6613	10.3593
	15	1.9558	7.4135	25.798	7.4609	323.45	4.2942	4.6673	10.3920
	16	1.9558	7.4168	25.821	7.4609	322.06	4.2890	4.6680	10.3165
	17	1.9558	7.4165	25.843	7.4604	322.55	4.2940	4.6658	10.3148
	18	1.9558	7.4210	25.863	7.4606	322.42	4.2989	4.6683	10.3330
	19	1.9558	7.4295	25.867	7.4606	323.20	4.3017	4.6665	10.3358
	22	1.9558	7.4325	25.848	7.4603	323.12	4.2905	4.6669	10.3310
	23	1.9558	7.4275	25.814	7.4603	322.81	4.2960	4.6670	10.3606
	24	1.9558	7.4273	25.833	7.4604	323.22	4.3053	4.6590	10.3590
	25	1.9558	7.4319	25.831	7.4610	323.91	4.3094	4.6647	10.3930
	26	1.9558	7.4325	25.860	7.4607	324.41	4.3177	4.6606	10.4025
	29	1.9558	7.4316	25.849	7.4614	324.40	4.3182	4.6647	10.3910
	30	1.9558	7.4315	25.870	7.4614	324.95	4.3307	4.6670	10.4200
	31	1.9558	7.4325	25.922	7.4614	325.10	4.3392	4.6643	10.4015
Nov.	1	1.9558	7.4360	25.879	7.4604	322.96	4.3269	4.6640	10.3158
	2	1.9558	7.4393	25.782	7.4603	321.62	4.3202	4.6612	10.3123
	5	1.9558	7.4383	25.846	7.4596	322.44	4.3126	4.6608	10.3268
	6	1.9558	7.4383	25.833	7.4593	322.06	4.3088	4.6647	10.3470
	7	1.9558	7.4338	25.880	7.4598	321.76	4.2940	4.6621	10.3313
	8	1.9558	7.4315	25.887	7.4597	321.44	4.2915	4.6602	10.2528
	9	1.9558	7.4300	25.936	7.4594	321.31	4.2880	4.6570	10.2648
	12	1.9558	7.4270	25.942	7.4597	321.72	4.2968	4.6575	10.2705
	13	1.9558	7.4238	25.939	7.4613	322.89	4.2992	4.6612	10.2284
	14	1.9558	7.4230	25.994	7.4621	322.68	4.2911	4.6601	10.2685
	15	1.9558	7.4270	25.985	7.4622	321.99	4.2933	4.6650	10.2553
	16	1.9558	7.4280	25.985	7.4618	321.93	4.3154	4.6648	10.2620
	19	1.9558	7.4253	26.013	7.4625	321.65	4.3293	4.6666	10.2815
	20	1.9558	7.4277	26.032	7.4627	321.25	4.3177	4.6673	10.3133
	21	1.9558	7.4318	26.002	7.4617	321.63	4.2995	4.6632	10.3143
	22	1.9558	7.4285	25.990	7.4616	321.52	4.3004	4.6593	10.3035
	23	1.9558	7.4324	25.954	7.4618	322.03	4.2949	4.6577	10.3043
	26	1.9558	7.4305	25.918	7.4612	322.90	4.2920	4.6588	10.2930
	27	1.9558	7.4275	25.914	7.4617	324.06	4.2902	4.6583	10.2823
	28	1.9558	7.4159	25.931	7.4616	324.37	4.2953	4.6590	10.2544
	29	1.9558	7.4160	25.967	7.4622	323.42	4.2916	4.6531	10.3170
	30	1.9558	7.4055	25.957	7.4622	323.62	4.2900	4.6598	10.3195
Dec.	3	1.9558	7.4038	25.921	7.4622	322.76	4.2809	4.6539	10.2355
	4	1.9558	7.4015	25.901	7.4626	323.20	4.2823	4.6514	10.2293
	5	1.9558	7.3990	25.886	7.4630	323.49	4.2826	4.6528	10.1753
	6	1.9558	7.3965	25.890	7.4635	323.75	4.2881	4.6548	10.2355
	7	1.9558	7.3913	25.851	7.4641	323.50	4.2895	4.6485	10.2665
	10	1.9558	7.3870	25.866	7.4639	323.15	4.2921	4.6502	10.3330
	11	1.9558	7.3943	25.845	7.4641	323.40	4.2983	4.6557	10.2970
	12	1.9558	7.3895	25.866	7.4641	323.43	4.2986	4.6571	10.3595
	13	1.9558	7.3935	25.829	7.4647	323.14	4.2925	4.6515	10.3020
	14	1.9558	7.3905	25.794	7.4656	323.93	4.2974	4.6558	10.2610
	17	1.9558	7.4028	25.801	7.4659	323.32	4.2835	4.6550	10.2725
	18	1.9558	7.4048	25.753	7.4675	323.11	4.2848	4.6467	10.2760
	19	1.9558	7.4190	25.765	7.4676	322.90	4.2833	4.6655	10.3393
	20	1.9558	7.4265	25.760	7.4672	321.83	4.2876	4.6573	10.2530
	21	1.9558	7.4216	25.855	7.4670	321.97	4.2851	4.6389	10.2733
	24	1.9558	7.4220	25.916	7.4663	321.00	4.2848	4.6428	10.3428
	27	1.9558	7.4125	25.858	7.4672	321.56	4.2945	4.6536	10.2725
	28	1.9558	7.4095	25.778	7.4673	321.61	4.3028	4.6630	10.2773
	31	1.9558	7.4125	25.724	7.4673	320.98	4.3014	4.6635	10.2548
2019 Jan.	2	1.9558	7.4205	25.752	7.4669	322.37	4.2964	4.6600	10.2145
	3	1.9558	7.4325	25.683	7.4675	322.41	4.2975	4.6660	10.2808
	4	1.9558	7.4335	25.653	7.4679	321.45	4.2957	4.6656	10.2460
	7	1.9558	7.4290	25.572	7.4675	321.11	4.2908	4.6625	10.2235
	8	1.9558	7.4296	25.642	7.4663	322.15	4.3055	4.6710	10.1855
	9	1.9558	7.4281	25.629	7.4661	321.85	4.2968	4.6737	10.2268

\* See Explanatory notes, p. 51.



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

		Other European and non-European countries							
United Kingdom	Australia	Brazil	Canada	China	Hong Kong	Iceland	India		
Pound sterling GBP	Australian dollar AUD	Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK	Indian rupee INR	Period	
0.89078	1.6070	4.6869	1.4867	7.9720	9.0848	129.30	84.6215	2018 Oct. 1	
0.89043	1.6081	4.6002	1.4795	7.9287	9.0442	129.70	84.7000	2	
0.88895	1.6146	4.4737	1.4820	7.9321	9.0498	130.90	84.7170	3	
0.88580	1.6234	4.5116	1.4800	7.9006	9.0114	130.90	84.6280	4	
0.88165	1.6270	4.4216	1.4862	7.9033	9.0137	131.10	84.8835	5	
0.88010	1.6242	4.3093	1.4915	7.9502	8.9874	131.60	85.0080	8	
0.87680	1.6203	4.3112	1.4861	7.9185	8.9590	132.00	85.0840	9	
0.87448	1.6206	4.2893	1.4907	7.9621	9.0126	133.60	85.3605	10	
0.87490	1.6314	4.3270	1.5102	7.9982	9.0723	134.40	85.7615	11	
0.87640	1.6236	4.3784	1.5054	8.0043	9.0696	134.40	85.1445	12	
0.88045	1.6231	4.3498	1.5085	8.0135	9.0767	134.60	85.4735	15	
0.87593	1.6243	4.3017	1.5010	8.0095	9.0806	135.80	85.1200	16	
0.87945	1.6190	4.3090	1.4957	7.9887	9.0373	137.20	84.8915	17	
0.87843	1.6119	4.2453	1.5009	7.9835	9.0192	136.80	84.6850	18	
0.88020	1.6065	4.2362	1.4947	7.9489	8.9915	134.50	84.1230	19	
0.88425	1.6185	4.2590	1.5044	7.9801	9.0107	135.20	84.5460	22	
0.88103	1.6243	4.2412	1.5047	7.9613	8.9990	136.30	84.4435	23	
0.88233	1.6067	4.2198	1.4900	7.9090	8.9308	137.30	83.3255	24	
0.88533	1.6095	4.2357	1.4893	7.9276	8.9502	137.10	83.6525	25	
0.88680	1.6142	4.2125	1.4916	7.8801	8.8950	137.10	83.3400	26	
0.88788	1.6061	4.1231	1.4917	7.9195	8.9270	137.50	83.5595	29	
0.89148	1.6025	4.2282	1.4941	7.9203	8.9229	137.70	83.7280	30	
0.88873	1.5972	4.1943	1.4856	7.8935	8.8787	137.70	83.7305	31	
0.88173	1.5857	4.2078	1.4904	7.9046	8.9293	137.90	83.6800	Nov. 1	
0.87870	1.5840	4.2205	1.4956	7.8712	8.9391	138.10	82.7085	2	
0.87535	1.5803	4.2253	1.4887	7.8780	8.9047	137.90	83.0920	5	
0.87313	1.5789	4.2833	1.4996	7.9015	8.9510	137.90	83.3785	6	
0.87403	1.5750	4.3061	1.5019	7.9426	8.9935	138.10	83.2800	7	
0.87163	1.5668	4.2622	1.4972	7.9192	8.9414	138.30	82.7195	8	
0.87053	1.5663	4.2540	1.4969	7.8852	8.8843	138.50	82.2640	9	
0.87563	1.5623	4.2217	1.4873	7.8447	8.8242	138.50	82.1106	12	
0.86945	1.5628	4.2479	1.4888	7.8354	8.8161	139.40	81.8390	13	
0.87048	1.5657	4.2901	1.4937	7.8543	8.8473	140.20	81.6740	14	
0.88370	1.5564	4.2772	1.4949	7.8448	8.8558	140.40	81.3700	15	
0.88350	1.5623	4.2666	1.4955	7.8859	8.8868	140.20	81.5735	16	
0.89083	1.5660	4.2907	1.5055	7.9349	8.9491	140.80	81.8825	19	
0.88908	1.5712	4.2919	1.5071	7.9299	8.9445	140.80	81.6500	20	
0.89108	1.5725	4.3262	1.5144	7.9121	8.9361	141.20	81.3520	21	
0.88598	1.5721	4.3368	1.5074	7.9052	8.9299	141.20	80.6045	22	
0.88480	1.5708	4.3205	1.5019	7.8866	8.8837	140.40	80.2040	23	
0.88440	1.5664	4.3808	1.5011	7.8869	8.8906	141.00	80.5385	26	
0.88748	1.5631	4.4011	1.5018	7.8708	8.8679	141.00	80.1620	27	
0.88245	1.5595	4.3579	1.5036	7.8464	8.8328	141.60	79.6430	28	
0.89135	1.5525	4.3867	1.5117	7.9063	8.9078	142.30	79.5370	29	
0.89068	1.5565	4.3843	1.5116	7.8897	8.8851	139.40	79.0815	30	
0.89150	1.5354	4.3367	1.4931	7.8074	8.8615	139.40	79.7910	Dec. 3	
0.89058	1.5451	4.3642	1.5031	7.7986	8.9071	139.60	80.4720	4	
0.88885	1.5569	4.3692	1.5076	7.7848	8.8695	139.40	80.0660	5	
0.88930	1.5745	4.4370	1.5229	7.8239	8.8669	138.40	80.4950	6	
0.89085	1.5766	4.4358	1.5230	7.8244	8.8866	139.50	80.5090	7	
0.90245	1.5842	4.4524	1.5218	7.8967	8.9283	140.00	82.7284	10	
0.90228	1.5778	4.4417	1.5239	7.8498	8.8934	140.20	81.8215	11	
0.90135	1.5732	4.3881	1.5170	7.8155	8.8693	140.00	81.6900	12	
0.89848	1.5729	4.4083	1.5193	7.8246	8.8803	140.40	81.4280	13	
0.89835	1.5753	4.4129	1.5095	7.7880	8.8168	140.40	81.2250	14	
0.89890	1.5801	4.4355	1.5189	7.8222	8.8624	139.20	81.2130	17	
0.89715	1.5810	4.4366	1.5249	7.8455	8.8976	139.00	80.2530	18	
0.90318	1.5879	4.4515	1.5332	7.8683	8.9241	138.80	80.1160	19	
0.90335	1.6050	4.4076	1.5424	7.8864	8.9628	136.90	79.9490	20	
0.90215	1.6081	4.4099	1.5459	7.8825	8.9368	134.10	80.0400	21	
0.90038	1.6186	4.4537	1.5506	7.8730	8.9359	133.20	80.0190	24	
0.90073	1.6161	4.4786	1.5500	7.8109	8.9109	133.00	79.9445	27	
0.90273	1.6215	4.4427	1.5602	7.8778	8.9716	133.20	80.2255	28	
0.89453	1.6220	4.4440	1.5605	7.8751	8.9675	133.20	79.7298	31	
0.90165	1.6273	4.3930	1.5547	7.8165	8.9294	133.40	79.9855	2019 Jan. 2	
0.90312	1.6287	4.2814	1.5392	7.8019	8.8884	133.60	79.6080	3	
0.89988	1.6189	4.2889	1.5328	7.8280	8.9325	134.00	79.4315	4	
0.89720	1.6040	4.2289	1.5281	7.8421	8.9677	135.20	79.6895	7	
0.89743	1.6042	4.2604	1.5208	7.8405	8.9671	136.10	80.2450	8	
0.89913	1.5982	4.2245	1.5172	7.8226	8.9789	136.90	80.6365	9	

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

### 1. Daily rates (cont'd)

EUR 1 = CU ...

		Other European and non-European countries (cont'd)							
		Indonesia	Israel	Japan	Korea, Republic of	Malaysia	Mexico	New Zealand	Norway
Period		Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR	Mexican peso MXN	New Zealand dollar NZD	Norwegian krone NOK
2018 Oct.	1	17,304.55	4.2251	132.25	1,290.16	4.8049	21.5632	1.7572	9.4465
	2	17,366.44	4.2098	131.46	1,290.52	4.7805	21.6631	1.7523	9.4393
	3	17,401.61	4.2007	131.47	1,293.30	4.7809	21.6818	1.7617	9.4443
	4	17,448.53	4.1862	131.31	1,298.27	4.7699	21.9097	1.7706	9.4643
	5	17,466.11	4.1782	131.03	1,298.24	4.7750	21.8800	1.7784	9.5133
	8	17,466.65	4.1605	130.11	1,304.77	4.7685	21.6360	1.7795	9.5083
	9	17,486.00	4.1617	129.45	1,301.02	4.7541	21.7228	1.7784	9.4915
	10	17,483.45	4.1707	130.23	1,307.75	4.7760	21.9436	1.7792	9.4468
	11	17,634.51	4.2084	130.00	1,320.70	4.8140	22.1014	1.7852	9.5063
	12	17,598.27	4.2000	129.99	1,309.22	4.8084	21.8434	1.7768	9.4675
	15	17,614.70	4.2011	129.53	1,307.61	4.8131	21.8192	1.7723	9.4598
	16	17,570.93	4.2225	129.92	1,301.92	4.8083	21.7751	1.7604	9.4198
	17	17,489.57	4.2076	129.43	1,299.48	4.7881	21.7267	1.7563	9.4293
	18	17,480.12	4.2009	129.44	1,306.55	4.7821	21.8143	1.7522	9.4598
	19	17,420.06	4.1957	129.05	1,296.11	4.7681	21.8911	1.7379	9.4518
	22	17,467.72	4.2038	129.63	1,300.75	4.7797	22.1820	1.7492	9.4688
	23	17,435.02	4.2086	128.76	1,305.81	4.7778	22.2469	1.7514	9.5053
	24	17,307.86	4.1927	128.37	1,291.15	4.7452	22.0293	1.7408	9.4868
	25	17,338.05	4.2083	128.27	1,296.40	4.7599	22.2550	1.7473	9.4898
	26	17,252.40	4.2028	127.13	1,298.16	4.7498	22.1824	1.7535	9.5160
	29	17,320.74	4.2170	127.92	1,297.35	4.7538	22.3632	1.7401	9.5130
	30	17,301.42	4.2159	128.28	1,295.91	4.7558	22.7513	1.7349	9.5435
	31	17,206.19	4.2119	128.15	1,291.10	4.7360	22.9029	1.7322	9.5528
Nov.	1	17,192.30	4.2245	128.52	1,285.70	4.7674	22.9917	1.7190	9.5150
	2	17,031.88	4.2160	128.89	1,276.25	4.7483	22.8399	1.7154	9.5143
	5	17,027.71	4.2089	128.81	1,278.67	4.7475	22.8514	1.7085	9.5240
	6	16,916.30	4.2135	129.31	1,280.90	4.7604	22.7736	1.7105	9.5448
	7	16,748.05	4.2182	130.02	1,286.25	4.7734	22.6326	1.6954	9.5328
	8	16,610.50	4.1950	129.90	1,275.88	4.7563	22.6860	1.6838	9.5078
	9	16,661.60	4.1710	129.26	1,278.77	4.7399	23.0001	1.6815	9.5418
	12	16,680.10	4.1423	128.20	1,280.12	4.7133	22.8373	1.6699	9.5378
	13	16,692.18	4.1593	128.32	1,277.21	4.7229	23.0152	1.6684	9.5563
	14	16,680.18	4.1731	128.64	1,278.88	4.7469	23.0803	1.6651	9.5990
	15	16,599.19	4.1776	128.16	1,277.99	4.7358	23.0659	1.6601	9.6028
	16	16,578.00	4.2070	128.37	1,283.80	4.7562	23.0573	1.6653	9.6118
	19	16,672.00	4.2368	128.89	1,287.63	4.7848	23.1660	1.6740	9.6493
	20	16,672.00	4.2475	128.34	1,287.96	4.7803	23.3031	1.6683	9.7135
	21	16,655.14	4.2603	129.04	1,287.06	4.7735	23.1180	1.6686	9.7290
	22	16,584.00	4.2590	128.80	1,287.51	4.7801	23.0660	1.6744	9.7398
	23	16,495.81	4.2413	128.07	1,285.15	4.7635	23.0983	1.6747	9.7365
	26	16,447.94	4.2407	128.70	1,281.86	4.7588	23.2106	1.6709	9.7290
	27	16,410.59	4.2215	128.66	1,279.17	4.7498	23.1784	1.6647	9.7325
	28	16,401.86	4.2116	128.47	1,273.13	4.7368	23.0580	1.6613	9.7085
	29	16,334.14	4.2258	128.99	1,275.57	4.7575	23.0160	1.6573	9.7318
	30	16,246.21	4.2167	128.99	1,274.04	4.7532	23.0910	1.6556	9.7400
Dec.	3	16,188.27	4.2144	128.70	1,260.44	4.7073	22.7129	1.6376	9.6893
	4	16,303.46	4.2537	128.68	1,261.04	4.7319	23.2057	1.6406	9.6473
	5	16,344.08	4.2293	128.31	1,264.39	4.7165	23.2282	1.6398	9.6480
	6	16,481.65	4.2367	128.04	1,273.03	4.7271	23.3643	1.6517	9.7028
	7	16,454.01	4.2545	128.36	1,278.67	4.7372	23.1435	1.6558	9.6970
	10	16,671.36	4.2642	128.79	1,287.42	4.7671	23.1320	1.6581	9.6885
	11	16,625.00	4.2691	128.75	1,284.17	4.7615	23.0209	1.6526	9.7038
	12	16,562.32	4.2603	128.67	1,280.62	4.7538	22.7639	1.6573	9.7265
	13	16,496.36	4.2718	129.06	1,278.56	4.7531	22.9031	1.6564	9.7388
	14	16,499.62	4.2604	128.13	1,280.17	4.7243	23.0211	1.6613	9.7235
	17	16,529.51	4.2843	128.44	1,282.21	4.7292	22.8295	1.6668	9.7838
	18	16,472.76	4.2812	127.86	1,284.35	4.7579	22.8293	1.6556	9.8835
	19	16,471.67	4.2835	128.11	1,284.20	4.7661	22.8738	1.6630	9.9375
	20	16,544.40	4.3030	127.94	1,284.69	4.7879	22.7759	1.6884	9.8970
	21	16,696.34	4.3045	126.98	1,282.71	4.7608	22.7547	1.6925	9.9428
	24	16,642.56	4.3150	126.47	1,283.61	4.7611	22.6549	1.6974	10.0025
	27	16,608.20	4.3027	126.14	1,276.84	4.7419	22.6283	1.6964	9.9698
	28	16,639.28	4.3128	126.40	1,279.35	4.7556	22.5554	1.7060	9.9738
	31	16,500.00	4.2972	125.85	1,277.93	4.7317	22.4921	1.7056	9.9483
2019 Jan.	2	16,484.11	4.2708	124.28	1,278.52	4.7195	22.3941	1.7049	9.9108
	3	16,352.47	4.2425	122.21	1,279.17	4.7020	22.2384	1.7085	9.9113
	4	16,241.35	4.2320	123.20	1,279.13	4.7106	22.3080	1.7045	9.8648
	7	16,122.63	4.2278	123.90	1,281.15	4.7125	22.1202	1.6925	9.8018
	8	16,181.88	4.2312	124.46	1,288.62	4.7053	22.1599	1.7023	9.7750
	9	16,180.19	4.2135	124.70	1,284.16	4.7132	22.1006	1.6908	9.7668

\* 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		
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		Period
62.733	76.1229	1.5903	16.4326	1.1414	37.418	6.9080	1.1606		2018 Oct. 1
62.680	75.4537	1.5862	16.6012	1.1354	37.365	6.9419	1.1543		2
62.677	75.7812	1.5890	16.6031	1.1412	37.398	7.0058	1.1548		3
62.482	76.6491	1.5870	16.8813	1.1409	37.537	7.0525	1.1502		4
62.455	76.6706	1.5890	16.9754	1.1433	37.745	7.0963	1.1506		5
62.051	76.7075	1.5894	17.0610	1.1396	37.826	7.0434	1.1478		8
62.027	76.3635	1.5859	17.1823	1.1381	37.850	7.0183	1.1435		9
62.307	76.1830	1.5904	16.8243	1.1412	37.864	6.9886	1.1500		10
62.540	76.9207	1.5969	16.8958	1.1430	37.914	6.9401	1.1575		11
62.581	76.2999	1.5932	16.7000	1.1470	37.882	6.8020	1.1574		12
62.649	75.9240	1.5945	16.7129	1.1428	37.841	6.6860	1.1581		15
62.381	75.8119	1.5925	16.5064	1.1444	37.733	6.7070	1.1587		16
62.181	75.6506	1.5867	16.4471	1.1453	37.542	6.5818	1.1530		17
62.137	75.5050	1.5863	16.4104	1.1451	37.512	6.4190	1.1505		18
61.605	75.2418	1.5800	16.4499	1.1421	37.358	6.4544	1.1470		19
61.841	75.0427	1.5855	16.4250	1.1456	37.672	6.5090	1.1494		22
61.716	75.0301	1.5822	16.4759	1.1424	37.705	6.6227	1.1478		23
61.207	74.3690	1.5724	16.3455	1.1373	37.481	6.4991	1.1389		24
61.283	74.8575	1.5744	16.5315	1.1407	37.570	6.4446	1.1416		25
60.877	74.7073	1.5705	16.6992	1.1367	37.569	6.3949	1.1345		26
61.101	74.6394	1.5737	16.4761	1.1384	37.796	6.3105	1.1381		29
60.862	74.6963	1.5739	16.6291	1.1386	37.880	6.2613	1.1372		30
60.471	74.4074	1.5696	16.7942	1.1399	37.535	6.2255	1.1318		31
60.642	74.8346	1.5701	16.6021	1.1430	37.529	6.3245	1.1393		Nov. 1
60.693	75.3127	1.5686	16.3720	1.1422	37.539	6.2539	1.1417		2
60.515	75.4376	1.5651	16.3230	1.1437	37.476	6.1783	1.1370		5
60.482	75.3169	1.5693	16.2351	1.1460	37.644	6.1246	1.1428		6
60.584	75.7709	1.5729	16.0216	1.1444	37.660	6.1357	1.1487		7
60.308	75.8313	1.5663	15.9590	1.1456	37.596	6.1926	1.1424		8
60.256	76.4283	1.5627	16.1884	1.1414	37.453	6.2261	1.1346		9
59.973	76.1800	1.5560	16.1851	1.1368	37.298	6.1282	1.1265		12
59.885	76.1990	1.5559	16.2504	1.1368	37.178	6.1857	1.1261		13
59.989	76.3414	1.5589	16.2025	1.1395	37.243	6.1725	1.1296		14
59.614	75.2446	1.5570	16.1238	1.1365	37.278	6.1047	1.1305		15
59.873	74.9036	1.5612	16.1185	1.1431	37.385	6.0754	1.1346		16
60.020	75.2885	1.5684	16.0122	1.1391	37.623	6.0735	1.1427		19
59.859	75.0039	1.5675	16.0629	1.1328	37.655	6.1203	1.1421		20
59.593	75.0963	1.5663	15.9020	1.1341	37.593	6.0888	1.1409		21
59.749	74.7458	1.5652	15.7042	1.1351	37.607	6.0336	1.1403		22
59.477	74.7114	1.5605	15.7507	1.1316	37.552	5.9992	1.1352		23
59.559	76.3045	1.5604	15.7322	1.1332	37.543	5.9459	1.1363		26
59.439	75.6401	1.5582	15.6320	1.1309	37.371	5.9313	1.1328		27
59.352	75.9100	1.5548	15.7292	1.1273	37.259	5.9268	1.1284		28
59.676	75.5420	1.5603	15.5182	1.1324	37.503	5.8747	1.1387		29
59.536	76.0734	1.5581	15.6258	1.1340	37.348	5.8753	1.1359		30
59.410	75.4428	1.5491	15.5084	1.1323	37.152	5.9460	1.1332		Dec. 3
60.035	75.7901	1.5550	15.5292	1.1348	37.273	6.1035	1.1409		4
59.878	75.8385	1.5520	15.6366	1.1328	37.190	6.0453	1.1354		5
60.012	75.9421	1.5560	15.9797	1.1304	37.282	6.0947	1.1351		6
60.059	75.8850	1.5583	16.0673	1.1299	37.359	6.0619	1.1371		7
60.367	75.8985	1.5667	16.3463	1.1295	37.525	6.0499	1.1425		10
60.009	75.5225	1.5617	16.2903	1.1248	37.317	6.1295	1.1379		11
59.714	75.2467	1.5577	16.1475	1.1286	37.192	6.0893	1.1346		12
59.888	75.4593	1.5587	16.1227	1.1287	37.195	6.0968	1.1371		13
59.980	75.2265	1.5534	16.2186	1.1254	37.026	6.0799	1.1285		14
60.123	75.5249	1.5588	16.2812	1.1254	37.198	6.0958	1.1341		17
60.390	76.1678	1.5590	16.3106	1.1281	37.277	6.0782	1.1377		18
60.535	77.0444	1.5623	16.2602	1.1328	37.311	6.0860	1.1405		19
60.816	77.4949	1.5678	16.2600	1.1331	37.410	6.0319	1.1451		20
60.546	78.2103	1.5641	16.4753	1.1312	37.267	6.0546	1.1414		21
60.417	78.0960	1.5655	16.6876	1.1312	37.162	6.0480	1.1408		24
59.991	78.8767	1.5617	16.5208	1.1279	37.026	6.0067	1.1377		27
60.282	79.5445	1.5642	16.4506	1.1227	37.317	6.0400	1.1454		28
60.113	79.7153	1.5591	16.4594	1.1269	37.052	6.0588	1.1450		31
59.894	79.3589	1.5555	16.5075	1.1239	36.807	6.1130	1.1397		2019 Jan. 2
59.679	78.2615	1.5501	16.4149	1.1219	36.518	6.2248	1.1348		3
59.809	77.6790	1.5525	16.1175	1.1256	36.587	6.1707	1.1403		4
59.980	76.5664	1.5531	15.8644	1.1227	36.607	6.1325	1.1445		7
60.057	76.7197	1.5549	16.0365	1.1232	36.705	6.2851	1.1440		8
59.887	76.8925	1.5533	16.0136	1.1230	36.662	6.3399	1.1455		9

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

### 2. Monthly averages +

EUR 1 = CU ...

Period	EU member countries									Other European
	Bulgaria	Croatia	Czechia	Denmark	Hungary	Poland	Romania	Sweden	United Kingdom	Australia
	Bulgarian lev BGN	Kuna HRK	Czech koruna CZK	Danish krone DKK	Hungarian forint HUF	Polish zloty PLN	Romanian leu RON	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD
2013 Nov.	1.9558	7.6326	26.927	7.4587	297.68	4.1887	4.4452	8.8802	0.83780	1.4473
Dec.	1.9558	7.6365	27.521	7.4602	300.24	4.1760	4.4635	8.9597	0.83639	1.5243
2014 Jan.	1.9558	7.6353	27.485	7.4614	302.48	4.1799	4.5205	8.8339	0.82674	1.5377
Feb.	1.9558	7.6574	27.444	7.4622	310.20	4.1741	4.4918	8.8721	0.82510	1.5222
Mar.	1.9558	7.6576	27.395	7.4638	311.49	4.1987	4.4933	8.8666	0.83170	1.5217
Apr.	1.9558	7.6267	27.450	7.4656	307.37	4.1853	4.4620	9.0329	0.82520	1.4831
May	1.9558	7.5952	27.437	7.4641	304.58	4.1800	4.4237	9.0298	0.81535	1.4755
June	1.9558	7.5770	27.450	7.4588	305.87	4.1352	4.3930	9.0914	0.80409	1.4517
July	1.9558	7.6146	27.458	7.4564	309.81	4.1444	4.4098	9.2327	0.79310	1.4420
Aug.	1.9558	7.6326	27.816	7.4551	313.91	4.1919	4.4252	9.1878	0.79730	1.4306
Sep.	1.9558	7.6236	27.599	7.4449	313.20	4.1899	4.4095	9.1929	0.79113	1.4246
Oct.	1.9558	7.6573	27.588	7.4448	307.85	4.2066	4.4153	9.1797	0.78861	1.4436
Nov.	1.9558	7.6700	27.667	7.4415	306.89	4.2121	4.4288	9.2384	0.79054	1.4432
Dec.	1.9558	7.6682	27.640	7.4402	310.83	4.2155	4.4583	9.4043	0.78830	1.4928
2015 Jan.	1.9558	7.6883	27.895	7.4406	316.50	4.2783	4.4874	9.4167	0.76680	1.4390
Feb.	1.9558	7.7114	27.608	7.4501	306.88	4.1760	4.4334	9.4901	0.74051	1.4568
Mar.	1.9558	7.6467	27.379	7.4593	303.45	4.1259	4.4339	9.2449	0.72358	1.4008
Apr.	1.9558	7.5896	27.439	7.4655	299.43	4.0180	4.4155	9.3254	0.72116	1.3939
May	1.9558	7.5591	27.397	7.4612	306.33	4.0811	4.4477	9.3037	0.72124	1.4123
June	1.9558	7.5719	27.307	7.4603	311.96	4.1586	4.4671	9.2722	0.72078	1.4530
July	1.9558	7.5863	27.094	7.4616	311.53	4.1524	4.4391	9.3860	0.70685	1.4844
Aug.	1.9558	7.5578	27.041	7.4627	311.61	4.1953	4.4235	9.5155	0.71423	1.5269
Sep.	1.9558	7.5890	27.089	7.4610	313.14	4.2176	4.4236	9.3924	0.73129	1.5900
Oct.	1.9558	7.6208	27.105	7.4601	311.27	4.2508	4.4227	9.3485	0.73287	1.5586
Nov.	1.9558	7.6074	27.039	7.4602	312.27	4.2494	4.4453	9.3133	0.70658	1.5011
Dec.	1.9558	7.6397	27.027	7.4612	314.40	4.2900	4.5033	9.2451	0.72595	1.5009
2016 Jan.	1.9558	7.6582	27.027	7.4619	314.68	4.4074	4.5311	9.2826	0.75459	1.5510
Feb.	1.9558	7.6355	27.040	7.4628	310.37	4.3970	4.4814	9.4105	0.77559	1.5556
Mar.	1.9558	7.5593	27.051	7.4569	311.15	4.2932	4.4666	9.2848	0.78020	1.4823
Apr.	1.9558	7.4947	27.031	7.4427	311.46	4.3106	4.4724	9.2027	0.79230	1.4802
May	1.9558	7.4979	27.026	7.4386	314.58	4.4039	4.4991	9.2948	0.77779	1.5461
June	1.9558	7.5204	27.061	7.4371	313.98	4.3996	4.5230	9.3338	0.79049	1.5173
July	1.9558	7.4930	27.042	7.4390	314.35	4.3964	4.4856	9.4742	0.84106	1.4694
Aug.	1.9558	7.4866	27.025	7.4408	310.21	4.3005	4.4591	9.4913	0.85521	1.4690
Sep.	1.9558	7.5005	27.022	7.4475	308.68	4.3207	4.4502	9.5655	0.85228	1.4768
Oct.	1.9558	7.5068	27.022	7.4402	307.00	4.3076	4.4942	9.7073	0.89390	1.4470
Nov.	1.9558	7.5211	27.033	7.4406	308.82	4.3911	4.5100	9.8508	0.86894	1.4331
Dec.	1.9558	7.5404	27.031	7.4362	312.24	4.4357	4.5164	9.7095	0.84441	1.4356
2017 Jan.	1.9558	7.5300	27.021	7.4355	308.99	4.3671	4.5018	9.5110	0.86100	1.4252
Feb.	1.9558	7.4476	27.021	7.4348	308.50	4.3081	4.5136	9.4762	0.85273	1.3886
Mar.	1.9558	7.4231	27.021	7.4356	309.71	4.2871	4.5476	9.5279	0.86560	1.4018
Apr.	1.9558	7.4503	26.823	7.4376	311.57	4.2374	4.5291	9.5941	0.84824	1.4241
May	1.9558	7.4317	26.572	7.4400	309.77	4.1998	4.5539	9.7097	0.85554	1.4878
June	1.9558	7.4104	26.264	7.4376	308.28	4.2113	4.5721	9.7538	0.87724	1.4861
July	1.9558	7.4116	26.079	7.4366	306.71	4.2362	4.5689	9.5892	0.88617	1.4772
Aug.	1.9558	7.4054	26.101	7.4379	304.37	4.2666	4.5789	9.5485	0.91121	1.4919
Sep.	1.9558	7.4639	26.075	7.4401	308.37	4.2693	4.5992	9.5334	0.89470	1.4946
Oct.	1.9558	7.5085	25.766	7.4429	309.95	4.2627	4.5895	9.6138	0.89071	1.5099
Nov.	1.9558	7.5512	25.538	7.4420	311.89	4.2268	4.6347	9.8479	0.88795	1.5395
Dec.	1.9558	7.5393	25.645	7.4433	313.16	4.2032	4.6348	9.9370	0.88265	1.5486
2018 Jan.	1.9558	7.4359	25.452	7.4455	309.27	4.1632	4.6491	9.8200	0.88331	1.5340
Feb.	1.9558	7.4399	25.320	7.4457	311.74	4.1653	4.6559	9.9384	0.88396	1.5684
Mar.	1.9558	7.4384	25.429	7.4490	312.19	4.2092	4.6613	10.1608	0.88287	1.5889
Apr.	1.9558	7.4209	25.365	7.4479	311.72	4.1937	4.6578	10.3717	0.87212	1.5972
May	1.9558	7.3912	25.640	7.4482	316.93	4.2850	4.6404	10.3419	0.87726	1.5695
June	1.9558	7.3822	25.778	7.4493	322.70	4.3038	4.6623	10.2788	0.87886	1.5579
July	1.9558	7.3971	25.850	7.4523	324.60	4.3239	4.6504	10.3076	0.88726	1.5792
Aug.	1.9558	7.4261	25.681	7.4558	323.02	4.2858	4.6439	10.4668	0.89687	1.5762
Sep.	1.9558	7.4294	25.614	7.4583	324.82	4.3006	4.6471	10.4426	0.89281	1.6189
Oct.	1.9558	7.4245	25.819	7.4597	323.84	4.3046	4.6658	10.3839	0.88272	1.6158
Nov.	1.9558	7.4281	25.935	7.4611	322.33	4.3018	4.6610	10.2918	0.88118	1.5681
Dec.	1.9558	7.4041	25.835	7.4653	322.74	4.2900	4.6536	10.2766	0.89774	1.5849

\* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Resumption of exchange rate fixing on 1 February 2018.

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

and non-European countries														
Brazil	Canada	China	Hong Kong	Iceland	India	Indonesia	Israel	Japan	Korea, Republic of	Malaysia				
Brazilian real BRL	Canadian dollar CAD	Chinese yuan renminbi CNY	Hong Kong dollar HKD	Icelandic krona ISK 1	Indian rupee INR	Indonesian rupiah IDR	New shekel ILS	Japanese yen JPY	South Korean won KRW	Malaysian ringgit MYR				
3.0959	1.4145	8.2221	10.4604	–	84.4990	15,575.06	4.7711	134.97	1,434.06	4.3176	2013	Nov.		
3.2133	1.4580	8.3248	10.6254	–	84.7631	16,455.73	4.8019	141.68	1,446.99	4.4517		Dec.		
3.2437	1.4884	8.2368	10.5586	–	84.5099	16,471.94	4.7569	141.47	1,453.94	4.5005	2014	Jan.		
3.2581	1.5094	8.3062	10.6012	–	84.9503	16,270.18	4.8043	139.35	1,462.51	4.5194		Feb.		
3.2187	1.5352	8.5332	10.7283	–	84.2990	15,785.89	4.8087	141.48	1,479.99	4.5361		Mar.		
3.0864	1.5181	8.5984	10.7107	–	83.3624	15,801.66	4.8010	141.62	1,441.28	4.4989		Apr.		
3.0512	1.4951	8.5658	10.6456	–	81.4318	15,830.12	4.7600	139.74	1,407.13	4.4337		May		
3.0388	1.4728	8.4698	10.5365	–	81.2046	16,167.87	4.6966	138.72	1,385.45	4.3760		June		
3.0109	1.4524	8.3940	10.4935	–	81.3058	15,789.65	4.6325	137.72	1,382.29	4.3100		July		
3.0219	1.4548	8.1965	10.3207	–	81.0709	15,603.10	4.6569	137.11	1,364.17	4.2310		Aug.		
3.0089	1.4196	7.9207	10.0019	–	78.5676	15,362.85	4.6896	138.39	1,336.02	4.1522		Sep.		
3.1018	1.4214	7.7635	9.8309	–	77.7896	15,389.80	4.7249	136.85	1,345.25	4.1436		Oct.		
3.1829	1.4136	7.6411	9.6716	–	76.9566	15,177.15	4.7783	145.03	1,370.36	4.1747		Nov.		
3.2499	1.4216	7.6330	9.5626	–	77.3781	15,351.19	4.8503	147.06	1,359.97	4.2903		Dec.		
3.0639	1.4039	7.2269	9.0102	–	72.2141	14,617.69	4.5856	137.47	1,266.19	4.1648	2015	Jan.		
3.1977	1.4199	7.0960	8.8020	–	70.4356	14,504.28	4.4192	134.69	1,250.50	4.0822		Feb.		
3.3997	1.3661	6.7623	8.4081	–	67.7387	14,152.16	4.3325	130.41	1,205.92	3.9889		Mar.		
3.2800	1.3313	6.6863	8.3550	–	67.6432	13,950.49	4.2456	128.94	1,170.32	3.9118		Apr.		
3.4105	1.3568	6.9165	8.6436	–	71.1153	14,650.36	4.3086	134.75	1,220.20	4.0191		May		
3.4941	1.3854	6.9587	8.6935	–	71.5873	14,919.43	4.2891	138.74	1,248.79	4.1949		June		
3.5405	1.4124	6.8269	8.5236	–	69.9960	14,720.40	4.1679	135.68	1,260.75	4.1824		July		
3.9118	1.4637	7.0626	8.6358	–	72.5361	15,370.92	4.2836	137.12	1,313.48	4.5297		Aug.		
4.3666	1.4882	7.1462	8.6966	–	74.2990	16,175.76	4.3917	134.85	1,329.94	4.8286		Sep.		
4.3599	1.4685	7.1346	8.7073	–	73.1116	15,482.55	4.3414	134.84	1,286.06	4.7818		Oct.		
4.0601	1.4248	6.8398	8.3211	–	71.0406	14,685.99	4.1760	131.60	1,239.19	4.6328		Nov.		
4.2145	1.4904	7.0193	8.4307	–	72.3851	15,087.43	4.2199	132.36	1,277.56	4.6615		Dec.		
4.4021	1.5447	7.1393	8.4509	–	73.2036	15,069.76	4.2903	128.32	1,307.56	4.7162	2016	Jan.		
4.3953	1.5317	7.2658	8.6333	–	75.7172	14,985.33	4.3336	127.35	1,349.77	4.6411		Feb.		
4.1195	1.4697	7.2220	8.6152	–	74.3018	14,629.58	4.2927	125.39	1,314.89	4.5167		Mar.		
4.0374	1.4559	7.3461	8.7954	–	75.3823	14,932.22	4.2812	124.29	1,300.58	4.4232		Apr.		
3.9983	1.4626	7.3864	8.7815	–	75.7016	15,188.82	4.3115	123.21	1,329.46	4.5755		May		
3.8570	1.4477	7.4023	8.7162	–	75.5592	14,969.03	4.3323	118.45	1,310.59	4.5760		June		
3.6263	1.4428	7.3910	8.5858	–	74.3738	14,520.91	4.2686	115.25	1,264.05	4.4471		July		
3.5983	1.4557	7.4537	8.6961	–	75.0303	14,757.31	4.2559	113.49	1,245.55	4.5141		Aug.		
3.6436	1.4677	7.4819	8.6964	–	74.8220	14,697.52	4.2210	114.22	1,244.12	4.6108		Sep.		
3.5158	1.4594	7.4198	8.5533	–	73.5775	14,361.10	4.2110	114.47	1,243.02	4.6040		Oct.		
3.6056	1.4519	7.3883	8.3758	–	73.0550	14,398.18	4.1491	116.93	1,256.71	4.6843		Nov.		
3.5405	1.4070	7.2983	8.1802	–	71.5390	14,135.71	4.0401	122.39	1,248.48	4.7013		Dec.		
3.3929	1.4032	7.3189	8.2332	–	72.2823	14,181.25	4.0543	122.14	1,254.41	4.7318	2017	Jan.		
3.3022	1.3942	7.3143	8.2586	–	71.2908	14,186.74	3.9672	120.17	1,215.92	4.7283		Feb.		
3.3413	1.4306	7.3692	8.2984	–	70.3238	14,255.46	3.9012	120.68	1,211.23	4.7413		Mar.		
3.3620	1.4408	7.3892	8.3364	–	69.2016	14,265.96	3.9153	118.29	1,215.64	4.7224		Apr.		
3.5424	1.5041	7.6130	8.6108	–	71.2681	14,730.60	3.9727	124.09	1,245.02	4.7713		May		
3.6948	1.4941	7.6459	8.7578	–	72.3798	14,940.12	3.9658	124.58	1,271.29	4.8045		June		
3.6928	1.4641	7.7965	8.9893	–	74.1945	15,363.84	4.0899	129.48	1,305.21	4.9389		July		
3.7201	1.4889	7.8760	9.2348	–	75.5465	15,753.09	4.2504	129.70	1,335.93	5.0579		Aug.		
3.7316	1.4639	7.8257	9.3094	–	76.8002	15,852.42	4.2080	131.92	1,348.89	5.0191		Sep.		
3.7503	1.4801	7.7890	9.1763	–	76.4977	15,904.42	4.1265	132.76	1,331.01	4.9716		Oct.		
3.8246	1.4978	7.7723	9.1617	–	76.1248	15,875.67	4.1283	132.39	1,292.05	4.8902		Nov.		
3.8941	1.5108	7.8073	9.2479	–	76.0663	16,048.79	4.1495	133.64	1,283.39	4.8238		Dec.		
3.9170	1.5167	7.8398	9.5394	–	77.6558	16,316.81	4.1753	135.25	1,300.93	4.8249	2018	Jan.		
4.0109	1.5526	7.8068	9.6585	124.69	79.5615	16,793.74	4.3173	133.29	1,331.47	4.8318		Feb.		
4.0426	1.5943	7.7982	9.6726	122.82	80.2526	16,973.10	4.2775	130.86	1,321.99	4.8155		Mar.		
4.1815	1.5622	7.7347	9.6350	122.30	80.6548	16,959.01	4.3425	132.16	1,312.94	4.7734		Apr.		
4.2912	1.5197	7.5291	9.2712	122.83	79.7891	16,594.39	4.2397	129.57	1,272.38	4.6891		May		
4.4049	1.5327	7.5512	9.1642	124.76	79.1601	16,393.39	4.2096	128.53	1,277.93	4.6717		June		
4.4765	1.5356	7.8504	9.1708	124.41	80.2996	16,836.55	4.2595	130.23	1,313.03	4.7327		July		
4.5357	1.5063	7.9092	9.0655	124.19	80.4260	16,822.69	4.2330	128.20	1,295.39	4.7277		Aug.		
4.8013	1.5211	7.9930	9.1375	128.90	84.2109	17,338.45	4.1858	130.54	1,305.86	4.8265		Sep.		
4.3246	1.4935	7.9481	9.0011	134.47	84.5447	17,428.73	4.1996	129.62	1,300.10	4.7761		Oct.		
4.2973	1.4998	7.8880	8.9000	139.78	81.5611	16,651.71	4.2122	128.79	1,280.89	4.7548		Nov.		
4.4214	1.5278	7.8398	8.9026	137.78	80.6166	16,512.15	4.2736	127.88	1,278.13	4.7459		Dec.		

## 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
2013 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
Nov.	21.6800	1.5102	9.0807	53.160	69.5321	1.5232	15.0351	1.0758	38.155	3.5500	1.0799
Dec.	21.6189	1.4982	9.0252	52.493	65.3781	1.5137	14.6142	1.0750	37.730	3.6917	1.0543
2017 Jan.	22.6576	1.4923	8.9990	52.800	63.4978	1.5175	14.4012	1.0714	37.645	3.9869	1.0614
Feb.	21.6027	1.4733	8.8603	53.208	62.1520	1.5055	14.0389	1.0660	37.258	3.9011	1.0643
Mar.	20.6333	1.5255	9.0919	53.683	61.9097	1.5013	13.8125	1.0706	37.260	3.9228	1.0685
Apr.	20.1297	1.5389	9.1993	53.441	60.5721	1.4996	14.4384	1.0727	36.967	3.9150	1.0723
May	20.7659	1.5905	9.4001	55.108	63.1641	1.5423	14.6665	1.0904	38.103	3.9463	1.1058
June	20.3786	1.5544	9.4992	56.045	65.1136	1.5541	14.5025	1.0874	38.181	3.9554	1.1229
July	20.5291	1.5658	9.3988	58.306	68.7707	1.5790	15.1351	1.1059	38.834	4.1021	1.1511
Aug.	21.0333	1.6167	9.3201	60.161	70.2902	1.6070	15.6310	1.1398	39.267	4.1436	1.1807
Sep.	21.2431	1.6426	9.3275	60.732	68.6987	1.6084	15.6766	1.1470	39.497	4.1376	1.1915
Oct.	22.1033	1.6695	9.3976	60.471	67.8647	1.5992	16.1145	1.1546	39.069	4.3234	1.1756
Nov.	22.2188	1.7043	9.6082	59.733	69.2093	1.5911	16.5187	1.1640	38.623	4.5714	1.1738
Dec.	22.6384	1.7002	9.8412	59.602	69.4092	1.5938	15.5847	1.1689	38.639	4.5511	1.1836
2018 Jan.	23.0903	1.6800	9.6464	61.733	69.1156	1.6122	14.8910	1.1723	38.913	4.6027	1.2200
Feb.	23.0251	1.6892	9.6712	64.123	70.2041	1.6294	14.6041	1.1542	38.888	4.6710	1.2348
Mar.	22.9932	1.7001	9.5848	64.289	70.5195	1.6222	14.6218	1.1685	38.581	4.7993	1.2336
Apr.	22.5610	1.6942	9.6202	63.901	75.0983	1.6156	14.8756	1.1890	38.451	5.0003	1.2276
May	23.0985	1.6996	9.5642	61.746	73.6504	1.5819	14.8182	1.1780	37.781	5.2501	1.1812
June	23.7134	1.6822	9.4746	62.038	73.2934	1.5737	15.5262	1.1562	37.930	5.4073	1.1678
July	22.2481	1.7220	9.4975	62.394	73.3942	1.5931	15.6599	1.1622	38.894	5.5748	1.1686
Aug.	21.7835	1.7315	9.6161	61.539	76.6684	1.5807	16.2808	1.1413	38.146	6.8488	1.1549
Sep.	22.1891	1.7674	9.6205	62.957	78.8756	1.5986	17.2295	1.1286	38.013	7.3840	1.1659
Oct.	21.9950	1.7586	9.4793	61.950	75.6102	1.5843	16.6548	1.1413	37.652	6.6919	1.1484
Nov.	23.0062	1.6779	9.6272	59.958	75.5508	1.5629	16.0114	1.1377	37.470	6.0896	1.1367
Dec.	22.8889	1.6675	9.8055	60.135	76.6804	1.5595	16.1870	1.1293	37.238	6.0630	1.1384

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

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

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

EUR 1 = CU ...

EU member countries									
Period	Bulgaria	Croatia	Cyprus	Czechia	Denmark	Estonia	Hungary	Latvia	Lithuania
	Bulgarian lev BGN	Kuna HRK 1	Cyprus pound CYP 2	Czech koruna CZK	Danish krone DKK	Estonian kroon EEK 2	Hungarian forint HUF	Latvian lats LVL 2	Lithuanian litas LTL 2
<b>End of year</b>									
2005	1.9563	7.3715	0.57350	29.000	7.4605	15.6466	252.87	0.6962	3.4528
2006	1.9558	7.3504	0.57820	27.485	7.4560	15.6466	251.77	0.6972	3.4528
2007	1.9558	7.3308	0.585274	26.628	7.4583	15.6466	253.73	0.6964	3.4528
2008	1.9558	7.3555	–	26.875	7.4506	15.6466	266.70	0.7083	3.4528
2009	1.9558	7.3000	–	26.473	7.4418	15.6466	270.42	0.7093	3.4528
2010	1.9558	7.3830	–	25.061	7.4535	15.6466	277.95	0.7094	3.4528
2011	1.9558	7.5370	–	25.787	7.4342	–	314.58	0.6995	3.4528
2012	1.9558	7.5575	–	25.151	7.4610	–	292.30	0.6977	3.4528
2013	1.9558	7.6265	–	27.427	7.4593	–	297.04	0.702804	3.4528
2014	1.9558	7.6580	–	27.735	7.4453	–	315.54	–	3.4528
2015	1.9558	7.6380	–	27.023	7.4626	–	315.98	–	–
2016	1.9558	7.5597	–	27.021	7.4344	–	309.83	–	–
2017	1.9558	7.4400	–	25.535	7.4449	–	310.33	–	–
2018	1.9558	7.4125	–	25.724	7.4673	–	320.98	–	–
<b>Annual averages +</b>									
2005	1.9558	7.4008	0.57683	29.782	7.4518	15.6466	248.05	0.6962	3.4528
2006	1.9558	7.3247	0.57578	28.342	7.4591	15.6466	264.26	0.6962	3.4528
2007	1.9558	7.3376	0.58263	27.766	7.4506	15.6466	251.35	0.7001	3.4528
2008	1.9558	7.2239	–	24.946	7.4560	15.6466	251.51	0.7027	3.4528
2009	1.9558	7.3400	–	26.435	7.4462	15.6466	280.33	0.7057	3.4528
2010	1.9558	7.2891	–	25.284	7.4473	15.6466	275.48	0.7087	3.4528
2011	1.9558	7.4390	–	24.590	7.4506	–	279.37	0.7063	3.4528
2012	1.9558	7.5217	–	25.149	7.4437	–	289.25	0.6973	3.4528
2013	1.9558	7.5786	–	25.980	7.4579	–	296.87	0.7015	3.4528
2014	1.9558	7.6344	–	27.536	7.4548	–	308.71	–	3.4528
2015	1.9558	7.6137	–	27.279	7.4587	–	310.00	–	–
2016	1.9558	7.5333	–	27.034	7.4452	–	311.44	–	–
2017	1.9558	7.4637	–	26.326	7.4386	–	309.19	–	–
2018	1.9558	7.4182	–	25.647	7.4532	–	318.89	–	–

EU member countries (cont'd)							Other European and non-European countries			
Malta	Poland	Romania	Slovakia	Slovenia	Sweden	United Kingdom	Australia	Brazil	Canada	
Maltese lira MTL 2	Polish zloty PLN	Romanian leu RON	Slovak koruna SKK 2	Slovenian tolar SIT 2	Swedish krona SEK	Pound sterling GBP	Australian dollar AUD	Brazilian real BRL 4	Canadian dollar CAD	
<b>End of year</b>										
2005	0.4293	3.8600	3.6802	37.880	239.5000	9.3885	0.68530	1.6109	2.7462	1.3725
2006	0.4293	3.8310	3.3835	34.435	239.6400	9.0404	0.67150	1.6691	2.8141	1.5281
2007	0.4293	3.5935	3.6077	33.583	–	9.4415	0.73335	1.6757	2.5914	1.4449
2008	–	4.1535	4.0225	30.126	–	10.8700	0.95250	2.0274	3.2436	1.6998
2009	–	4.1045	4.2363	–	–	10.2520	0.88810	1.6008	2.5113	1.5128
2010	–	3.9750	4.2620	–	–	8.9655	0.86075	1.3136	2.2177	1.3322
2011	–	4.4580	4.3233	–	–	8.9120	0.83530	1.2723	2.4159	1.3215
2012	–	4.0740	4.4445	–	–	8.5820	0.81610	1.2712	2.7036	1.3137
2013	–	4.1543	4.4710	–	–	8.8591	0.83370	1.5423	3.2576	1.4671
2014	–	4.2732	4.4828	–	–	9.3930	0.77890	1.4829	3.2207	1.4063
2015	–	4.2639	4.5240	–	–	9.1895	0.73395	1.4897	4.3117	1.5116
2016	–	4.4103	4.5390	–	–	9.5525	0.85618	1.4596	3.4305	1.4188
2017	–	4.1770	4.6585	–	–	9.8438	0.88723	1.5346	3.9729	1.5039
2018	–	4.3014	4.6635	–	–	10.2548	0.89453	1.6220	4.4440	1.5605
<b>Annual averages +</b>										
2005	0.4299	4.0230	3.6209	38.599	239.5681	9.2822	0.68380	1.6320	3.0360	1.5087
2006	0.4293	3.8959	3.5258	37.234	239.5961	9.2544	0.68173	1.6668	2.7333	1.4237
2007	0.4293	3.7837	3.3353	33.775	–	9.2501	0.68434	1.6348	2.6633	1.4678
2008	–	3.5121	3.6826	31.262	–	9.6152	0.79628	1.7416	2.6737	1.5594
2009	–	4.3276	4.2399	–	–	10.6191	0.89094	1.7727	2.7674	1.5850
2010	–	3.9947	4.2122	–	–	9.5373	0.85784	1.4423	2.3314	1.3651
2011	–	4.1206	4.2391	–	–	9.0298	0.86788	1.3484	2.3265	1.3761
2012	–	4.1847	4.4593	–	–	8.7041	0.81087	1.2407	2.5084	1.2842
2013	–	4.1975	4.4190	–	–	8.6515	0.84926	1.3777	2.8687	1.3684
2014	–	4.1843	4.4437	–	–	9.0985	0.80612	1.4719	3.1211	1.4661
2015	–	4.1841	4.4454	–	–	9.3535	0.72584	1.4777	3.7004	1.4186
2016	–	4.3632	4.4904	–	–	9.4689	0.81948	1.4883	3.8561	1.4659
2017	–	4.2570	4.5688	–	–	9.6351	0.87667	1.4732	3.6054	1.4647
2018	–	4.2615	4.6540	–	–	10.2583	0.88471	1.5797	4.3085	1.5294

\* 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 (old Romanian leu) 10,000 =

RON (new Romanian leu) 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 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>										
2005	9.5204	9.1474	74.57	53.1130	11,596.45	5.4334	138.90	1,184.42	4.4584	12.5945
2006	10.2793	10.2409	93.13	58.2180	11,844.44	5.5677	156.93	1,224.81	4.6490	14.2899
2007	10.7524	11.4800	91.90	57.8620	13,826.70	5.6539	164.93	1,377.96	4.8682	16.0732
2008	9.4956	10.7858	2	67.4370	15,239.12	5.2919	126.14	1,839.13	4.8048	19.2333
2009	9.8350	11.1709	–	67.0400	13,626.13	5.4524	133.16	1,666.97	4.9326	18.9223
2010	8.8220	10.3856	–	59.7580	12,002.14	4.7321	108.65	1,499.06	4.0950	16.5475
2011	8.1588	10.0510	–	68.7130	11,731.47	4.9453	100.20	1,498.69	4.1055	18.0512
2012	8.2207	10.2260	–	72.5600	12,713.97	4.9258	113.61	1,406.23	4.0347	17.1845
2013	8.3491	10.6933	–	85.3660	16,764.78	4.7880	144.72	1,450.93	4.5221	18.0731
2014	7.5358	9.4170	–	76.7190	15,076.10	4.7200	145.23	1,324.80	4.2473	17.8679
2015	7.0608	8.4376	–	72.0215	15,039.99	4.2481	131.07	1,280.78	4.6959	18.9145
2016	7.3202	8.1751	–	71.5935	14,173.43	4.0477	123.40	1,269.36	4.7287	21.7719
2017	7.8044	9.3720	–	76.6055	16,239.12	4.1635	135.01	1,279.61	4.8536	23.6612
2018	7.8751	8.9675	133.20	79.7298	16,500.00	4.2972	125.85	1,277.93	4.7317	22.4921
<b>Annual averages +</b>										
2005	10.1955	9.6768	78.23	54.8117	12,072.83	5.5807	136.85	1,273.61	4.7119	13.5643
2006	10.0096	9.7545	87.76	56.8435	11,512.37	5.5920	146.02	1,198.58	4.6044	13.6936
2007	10.4178	10.6912	87.63	56.4186	12,528.33	5.6278	161.25	1,272.99	4.7076	14.9743
2008	10.2236	11.4541	2	63.6143	14,165.16	5.2561	152.45	1,606.09	4.8893	16.2911
2009	9.5277	10.8114	–	67.3611	14,443.74	5.4668	130.34	1,772.90	4.9079	18.7989
2010	8.9712	10.2994	–	60.5878	12,041.70	4.9457	116.24	1,531.82	4.2668	16.7373
2011	8.9960	10.8362	–	64.8859	12,206.51	4.9775	110.96	1,541.23	4.2558	17.2877
2012	8.1052	9.9663	–	68.5973	12,045.73	4.9536	102.49	1,447.69	3.9672	16.9029
2013	8.1646	10.3016	–	77.9300	13,857.50	4.7948	129.66	1,453.91	4.1855	16.9641
2014	8.1857	10.3025	–	81.0406	15,748.92	4.7449	140.31	1,398.14	4.3446	17.6550
2015	6.9733	8.6014	–	71.1956	14,870.39	4.3122	134.31	1,256.54	4.3373	17.6157
2016	7.3522	8.5922	–	74.3717	14,720.83	4.2489	120.20	1,284.18	4.5835	20.6673
2017	7.6290	8.8045	–	73.5324	15,118.01	4.0622	126.71	1,276.74	4.8527	21.3286
2018	7.8081	9.2559	2	80.7332	16,803.22	4.2423	130.40	1,299.07	4.7634	22.7054

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 <sup>6</sup> TRY	US dollar USD
<b>End of year</b>										
2005	1.7270	7.9850	62.719	33.9200	1.9628	7.4642	1.5551	48.437	1.5924	1.1797
2006	1.8725	8.2380	64.546	34.6800	2.0202	9.2124	1.6069	46.770	1.8640	1.3170
2007	1.9024	7.9580	60.724	35.9860	2.1163	10.0298	1.6547	43.800	1.7170	1.4721
2008	2.4191	9.7500	65.930	41.2830	2.0040	13.0667	1.4850	48.285	2.1488	1.3917
2009	1.9803	8.3000	66.507	43.1540	2.0194	10.6660	1.4836	47.986	2.1547	1.4406
2010	1.7200	7.8000	58.300	40.8200	1.7136	8.8625	1.2504	40.170	2.0694	1.3362
2011	1.6737	7.7540	56.754	41.7650	1.6819	10.4830	1.2156	40.991	2.4432	1.2939
2012	1.6045	7.3483	54.107	40.3295	1.6111	11.1727	1.2072	40.347	2.3551	1.3194
2013	1.6762	8.3630	61.289	45.3246	1.7414	14.5660	1.2276	45.178	2.9605	1.3791
2014	1.5525	9.0420	54.436	72.3370	1.6058	14.0353	1.2024	39.910	2.8320	1.2141
2015	1.5923	9.6030	50.999	80.6736	1.5417	16.9530	1.0835	39.248	3.1765	1.0887
2016	1.5158	9.0863	52.268	64.3000	1.5234	14.4570	1.0739	37.726	3.7072	1.0541
2017	1.6850	9.8403	59.795	69.3920	1.6024	14.8054	1.1702	39.121	4.5464	1.1993
2018	1.7056	9.9483	60.113	79.7153	1.5591	16.4594	1.1269	37.052	6.0588	1.1450
<b>Annual averages +</b>										
2005	1.7660	8.0092	68.494	35.1884	2.0702	7.9183	1.5483	50.068	1.6771	1.2441
2006	1.9373	8.0472	64.379	34.1117	1.9941	8.5312	1.5729	47.594	1.8090	1.2556
2007	1.8627	8.0165	63.026	35.0183	2.0636	9.6596	1.6427	44.214	1.7865	1.3705
2008	2.0770	8.2237	65.172	36.4207	2.0762	12.0590	1.5874	48.475	1.9064	1.4708
2009	2.2121	8.7278	66.338	44.1376	2.0241	11.6737	1.5100	47.804	2.1631	1.3948
2010	1.8377	8.0043	59.739	40.2629	1.8055	9.6984	1.3803	42.014	1.9965	1.3257
2011	1.7600	7.7934	60.260	40.8846	1.7489	10.0970	1.2326	42.429	2.3378	1.3920
2012	1.5867	7.4751	54.246	39.9262	1.6055	10.5511	1.2053	39.928	2.3135	1.2848
2013	1.6206	7.8067	56.428	42.3370	1.6619	12.8330	1.2311	40.830	2.5335	1.3281
2014	1.5995	8.3544	58.979	50.9518	1.6823	14.4037	1.2146	43.147	2.9065	1.3285
2015	1.5930	8.9496	50.522	68.0720	1.5255	14.1723	1.0679	38.028	3.0255	1.1095
2016	1.5886	9.2906	52.556	74.1446	1.5275	16.2645	1.0902	39.043	3.3433	1.1069
2017	1.5897	9.3270	56.973	65.9383	1.5588	15.0490	1.1117	38.296	4.1206	1.1297
2018	1.7065	9.5975	62.210	74.0416	1.5926	15.6186	1.1550	38.164	5.7077	1.1810

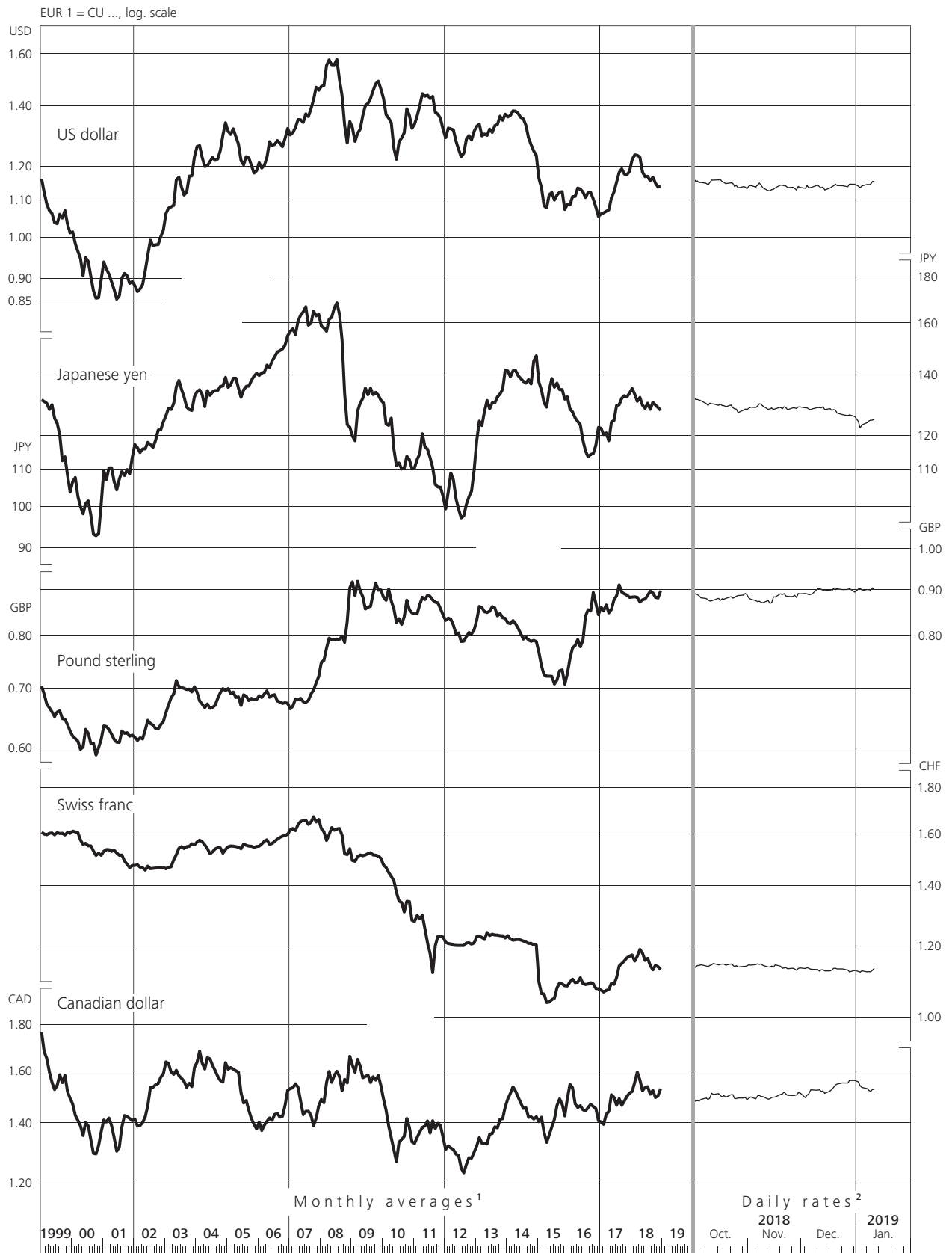
\* See Explanatory notes, p. 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. <sup>1</sup> Up to March 2005, ECB indicative rates. <sup>2</sup> The ECB did not fix euro foreign exchange reference

rates for the Icelandic krona from 4 December 2008 to 31 January 2018. <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> Up to end-2008, New Turkish lira.



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

### 4. Exchange rates of major currencies



<sup>1</sup> Last monthly average: December 2018. <sup>2</sup> Last updated: 9 January 2019.

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

#### 1. Annual and monthly averages

Q1 1999 = 100

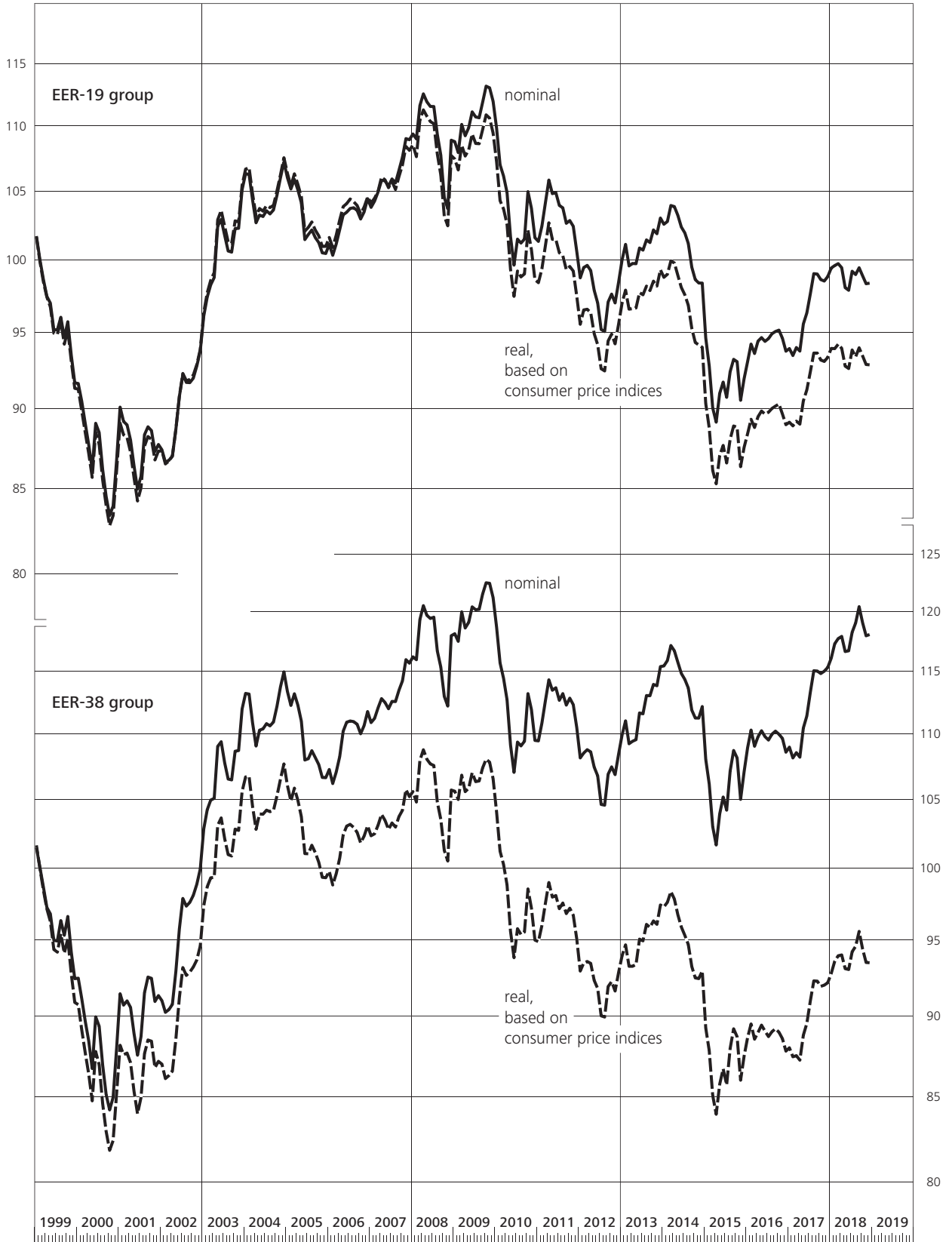
Period	Effective exchange rate of the euro vis-à-vis the currencies of the group <sup>1</sup>				Memo item: Indicators of the German economy's price competitiveness based on consumer price indices vis-à-vis						
	EER-19		EER-38 <sup>2</sup>		26 selected industrial countries			37 countries	56 countries		
	Nominal	Real, based on consumer price indices	Nominal	Real, based on consumer price indices	Total	of which:					
						euro area countries	non-euro area countries				
2000	87.2	86.7	88.0	85.8	93.0	99.0	85.8	92.0	90.9		
2001	87.8	87.1	90.6	86.9	93.0	98.1	86.9	91.4	90.8		
2002	90.1	90.2	95.2	90.5	93.5	96.9	89.5	91.9	91.7		
2003	100.7	101.2	107.1	101.4	97.0	95.7	99.1	96.5	96.7		
2004	104.6	104.9	111.7	105.0	98.4	95.4	102.9	98.0	98.3		
2005	102.9	103.4	109.6	102.4	98.4	95.2	103.2	96.9	96.6		
2006	102.8	103.3	109.6	101.7	98.5	94.9	104.1	96.4	95.8		
2007	106.1	106.0	113.0	103.6	100.7	95.2	109.7	97.8	96.9		
2008	109.3	108.1	117.1	105.5	102.1	94.6	114.7	97.7	97.0		
2009	110.7	108.8	120.2	106.5	101.7	94.5	113.8	97.9	97.4		
2010	103.6	101.1	111.6	97.6	98.7	94.1	106.0	93.6	91.9		
2011	103.3	100.1	112.3	97.0	98.1	93.7	105.0	92.7	91.3		
2012	97.7	94.8	107.2	92.2	95.8	93.2	99.6	89.7	88.2		
2013	101.0	97.7	111.8	95.0	98.1	93.3	105.6	91.4	90.1		
2014	101.4	97.2	114.1	95.4	98.1	93.6	105.3	91.6	90.7		
2015	91.7	87.6	105.7	87.0	94.1	93.6	94.6	86.4	85.8		
2016	94.4	89.5	109.7	p 88.9	94.7	93.6	96.2	87.5	p 87.0		
2017	96.6	91.4	112.0	p 90.0	96.0	93.7	99.4	88.6	p 87.8		
2018	98.9	p 93.5	117.9	p 93.8	p 97.3	p 93.8	p 102.7	p 89.8	p 89.8		
2015 Mar.	90.0	86.1	103.0	85.1	93.6	93.7	93.2	85.6	84.6		
Apr.	89.1	85.3	101.6	83.9	93.4	93.7	92.7	85.2	84.0		
May	91.0	87.0	103.9	85.7	94.0	93.6	94.3	86.2	85.1		
June	91.7	87.7	105.2	86.7	94.1	93.5	94.7	86.4	85.6		
July	90.7	86.6	104.2	85.7	93.7	93.5	93.6	85.8	85.0		
Aug.	92.4	88.0	107.1	87.9	94.3	93.6	95.0	86.7	86.4		
Sep.	93.2	88.9	108.7	89.2	94.5	93.5	95.7	87.1	87.1		
Oct.	93.0	88.8	108.1	88.7	94.5	93.6	95.7	87.1	86.9		
Nov.	90.5	86.3	105.0	86.0	93.5	93.6	93.0	85.8	85.3		
Dec.	91.9	87.5	107.1	87.5	93.7	93.3	93.9	86.2	86.0		
2016 Jan.	93.0	88.4	108.9	p 88.6	93.9	93.5	94.4	86.8	p 86.7		
Feb.	94.2	89.3	110.3	p 89.5	94.5	93.5	95.9	87.3	p 87.2		
Mar.	93.6	88.8	109.0	p 88.5	94.5	93.5	95.7	87.0	p 86.7		
Apr.	94.4	89.5	109.8	p 89.0	94.9	93.7	96.5	87.5	p 87.1		
May	94.6	89.8	110.2	p 89.4	94.7	93.5	96.1	87.6	p 87.3		
June	94.4	89.6	109.8	p 89.0	94.5	93.6	95.7	87.6	p 87.1		
July	94.6	89.7	109.5	p 88.7	94.8	93.6	96.4	87.6	p 86.9		
Aug.	94.9	90.0	110.0	p 89.0	95.0	93.5	96.9	87.6	p 87.0		
Sep.	95.1	90.1	110.2	p 89.2	95.1	93.6	97.1	87.8	p 87.2		
Oct.	95.1	90.3	110.0	p 89.0	95.4	93.7	97.7	87.9	p 87.1		
Nov.	94.6	89.6	109.6	p 88.6	94.8	93.6	96.4	87.5	p 86.8		
Dec.	93.7	89.0	108.6	p 87.8	94.7	93.9	95.6	87.3	p 86.6		
2017 Jan.	93.9	89.1	109.0	p 88.0	94.5	93.6	95.7	87.2	p 86.4		
Feb.	93.4	88.9	108.1	p 87.4	94.5	93.7	95.5	87.1	p 86.2		
Mar.	94.0	89.2	108.5	p 87.5	94.7	93.6	96.0	87.2	p 86.2		
Apr.	93.7	89.0	108.2	p 87.2	94.5	93.6	95.6	87.1	p 86.0		
May	95.6	90.5	110.5	p 88.8	95.3	93.6	97.7	87.9	p 87.0		
June	96.3	91.2	111.4	p 89.5	95.9	93.8	99.0	88.5	p 87.6		
July	97.6	92.4	113.3	p 91.0	96.6	93.9	100.6	89.2	p 88.5		
Aug.	99.0	93.6	115.0	p 92.3	97.2	93.8	102.5	89.8	p 89.2		
Sep.	99.0	93.6	115.0	p 92.3	97.3	93.9	102.5	89.9	p 89.3		
Oct.	98.6	93.1	114.8	p 91.9	97.1	93.7	102.2	89.5	p 89.0		
Nov.	98.5	93.0	115.0	p 92.0	97.2	93.8	102.4	89.5	p 89.0		
Dec.	98.8	93.3	115.3	p 92.2	97.5	94.0	103.0	89.8	p 89.3		
2018 Jan.	99.4	93.9	116.1	p 92.8	97.6	93.6	103.7	89.8	p 89.4		
Feb.	99.6	93.9	117.3	p 93.6	97.7	93.7	104.0	89.9	p 89.5		
Mar.	99.7	94.2	117.7	p 93.9	97.8	93.7	104.1	90.0	p 89.7		
Apr.	99.5	p 93.9	117.9	p 94.0	97.9	93.7	104.3	p 90.0	p 89.8		
May	98.1	p 92.7	116.6	p 93.1	p 97.3	93.8	p 102.8	p 89.3	p 89.3		
June	97.9	p 92.6	116.7	p 93.0	p 97.2	93.9	p 102.2	p 89.4	p 89.4		
July	99.2	p 93.8	118.2	p 94.2	p 97.1	93.7	p 102.5	p 89.9	p 89.9		
Aug.	99.0	p 93.4	119.0	p 94.6	p 96.9	93.6	p 101.8	p 89.6	p 90.0		
Sep.	99.5	p 94.0	120.4	p 95.6	p 97.4	94.0	p 102.5	p 90.2	p 91.0		
Oct.	98.9	p 93.4	119.0	p 94.4	p 97.0	93.9	p 101.7	p 89.8	p 90.2		
Nov.	98.3	p 92.8	117.9	p 93.5	p 96.9	94.0	p 101.3	p 89.6	p 89.8		
Dec.	98.4	p 92.8	118.0	p 93.5	p 97.1	p 94.1	p 101.6	p 89.7	p 89.9		

\* See Explanatory notes, p. 51. <sup>1</sup> Source: ECB. <sup>2</sup> Due to the redenomination of the Venezuelan bolívar on 20 August 2018, the spot rate from 17 August 2018 is used since then.

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

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

Q1 1999 = 100, monthly averages, log. scale



\* Source: ECB.

#### IV. Overview of world currencies \*

##### 1. Currencies and exchange rates in individual countries

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month			
					October 2018	November 2018	December 2018	
<b>Afghanistan</b>								
Kabul 660	Afghani = 100 puls	B	USD 1 =	AFN 72.3703	AFN 74.8612	AFN 75.7410	AFN 75.2628	
		S	USD 1 =	AFN 72.4703	AFN 74.9612	AFN 75.8410	AFN 75.3628	
	AFN	B	EUR 1 =	AFN 85.1413	AFN 84.8832	AFN 86.0350	AFN 85.8818	
		S	EUR 1 =	AFN 85.4013	AFN 85.1432	AFN 86.2950	AFN 86.1418	
	<b>Albania</b>							
	Tirana 070	Albanian lek = 100 qindarka ALL	M	USD 1 =	ALL 107.90	ALL 110.25	ALL 109.85	ALL 107.82
M			EUR 1 =	ALL 127.49	ALL 124.94	ALL 124.33	ALL 123.42	
<b>Algeria</b>								
Algiers 208	Algerian dinar = 100 centimes	B	USD 1 =	DZD 116.6712	DZD 119.0348	DZD 118.5197	DZD 118.3304	
		S	USD 1 =	DZD 116.6862	DZD 119.0498	DZD 118.5347	DZD 118.3454	
	DZD	B	EUR 1 =	DZD 137.5913	DZD 134.8069	DZD 134.7450	DZD 135.3108	
		S	EUR 1 =	DZD 137.6362	DZD 134.8477	DZD 134.7740	DZD 135.3398	
<b>Angola <sup>1</sup></b>								
Luanda 330	Kwanza = 100 cêntimos	B	USD 1 =	AOA 258.279	AOA 307.571	AOA 310.069	AOA 307.056	
		S	USD 1 =	AOA 259.059	AOA 308.233	AOA 310.846	AOA 310.158	
	AOA	B	EUR 1 =	AOA 303.343	AOA 349.493	AOA 352.176	AOA 351.303	
		S	EUR 1 =	AOA 304.296	AOA 350.369	AOA 352.935	AOA 354.728	
<b>Antigua and Barbuda</b>								
St John's 459	East Caribbean dollar = 100 cents	<sup>2</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882	
		<sup>2</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169	
	XCD	V, B	EUR 1 =	XCD 3.1748	XCD 3.0425	XCD 3.0535	XCD 3.0780	
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0750	XCD 3.0861	XCD 3.1109	
<b>Argentina</b>								
Buenos Aires 528	Argentine peso = 100 centavos	B	USD 1 =	ARS 27.9603	ARS 35.7500	ARS 37.5200	ARS 37.5000	
		S	USD 1 =	ARS 28.0933	ARS 35.9500	ARS 37.7200	ARS 37.7000	
	ARS	B	EUR 1 =	ARS 32.7610	ARS 40.3904	ARS 42.6790	ARS 42.8400	
		S	EUR 1 =	ARS 32.9871	ARS 40.7062	ARS 43.0008	ARS 43.1627	
<b>Armenia</b>								
Yerevan 077	Armenian dram = 100 luma AMD	M	USD 1 =	AMD 483.02	AMD 486.24	AMD 485.23	AMD 483.75	
		M	EUR 1 =	AMD 570.42	AMD 551.20	AMD 551.76	AMD 553.65	
<b>Aruba</b>								
Oranjestad 474	Aruban florin = 100 cents	<sup>2</sup> B	USD 1 =	AWG 1.78	AWG 1.78	AWG 1.78	AWG 1.78	
		<sup>2</sup> S	USD 1 =	AWG 1.80	AWG 1.80	AWG 1.80	AWG 1.80	
	AWG	B	EUR 100 =	AWG 210.14	AWG 202.15	AWG 202.63	AWG 204.14	
		S	EUR 100 =	AWG 212.25	AWG 204.18	AWG 204.67	AWG 206.19	

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

#### IV. Overview of world currencies \*

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Australia</b>							
Canberra 800	Australian dollar = 100 cents AUD	M	AUD 1 =	USD 0.7479	USD 0.7085	USD 0.7316	USD 0.7058
		M	AUD 1 =	EUR 0.6313	EUR 0.6247	EUR 0.6421	EUR 0.6178
<b>Austria</b>							
Vienna 038	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Azerbaijan</b>							
Baku 078	Azerbaijan manat = 100 qapik AZN	M	USD 1 =	AZN 1.7000	AZN 1.7000	AZN 1.7000	AZN 1.7000
		M	EUR 1 =	AZN 2.0097	AZN 1.9281	AZN 1.9367	AZN 1.9468
<b>Bahamas</b>							
Nassau 453	Bahamian dollar = 100 cents BSD	2 B	USD 1 =	BSD 0.9950	BSD 0.9950	BSD 0.9950	BSD 0.9950
		2 S	USD 1 =	BSD 1.0125	BSD 1.0125	BSD 1.0125	BSD 1.0125
		V, B	EUR 1 =	BSD 1.17510	BSD 1.12614	BSD 1.13022	BSD 1.13928
		V, S	EUR 1 =	BSD 1.19576	BSD 1.14595	BSD 1.15010	BSD 1.15931
<b>Bahrain</b>							
Manama 640	Bahraini dinar = 1,000 fils BHD	2 B	USD 1 =	BHD 0.37425	BHD 0.37425	BHD 0.37425	BHD 0.37425
		2 S	USD 1 =	BHD 0.37750	BHD 0.37750	BHD 0.37750	BHD 0.37750
		B	EUR 1 =	BHD 0.4312038	BHD 0.4153734	BHD 0.4139087	BHD 0.4184774
		S	EUR 1 =	BHD 0.4578762	BHD 0.4410666	BHD 0.4395113	BHD 0.4443626
<b>Bangladesh 1</b>							
Dhaka 666	Taka = 100 poisha BDT	B	USD 1 =	BDT 83.5083	BDT 83.8500	BDT 83.9000	BDT 83.9000
		S	USD 1 =	BDT 83.5125	BDT 83.8500	BDT 83.9000	BDT 83.9000
		B	EUR 1 =	BDT 98.2612	BDT 94.8344	BDT 94.9329	BDT 96.2249
		S	EUR 1 =	BDT 98.2898	BDT 94.8679	BDT 94.9664	BDT 96.2501
<b>Barbados</b>							
Bridgetown 469	Barbados dollar = 100 cents BBD	2 B	USD 1 =	BBD 1.99375	BBD 1.99375	BBD 1.99375	BBD 1.99375
		2 S	USD 1 =	BBD 2.02768	BBD 2.02768	BBD 2.02768	BBD 2.02768
		B	EUR 1 =	BBD 2.34733	BBD 2.25856	BBD 2.26543	BBD 2.27848
		S	EUR 1 =	BBD 2.39134	BBD 2.30091	BBD 2.30791	BBD 2.32119
<b>Belarus</b>							
Minsk 073	Belarusian rouble = 100 kopecks BYN	M	USD 1 =	BYN 2.0439	BYN 2.1178	BYN 2.1384	BYN 2.1598
		M	EUR 1 =	BYN 2.4113	BYN 2.4090	BYN 2.4286	BYN 2.4734

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Belgium</b>							
Brussels 017	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Belize</b>							
Belmopan 421	Belize dollar = 100 cents	<sup>2</sup> B	USD 1 =	BZD 1.9825	BZD 1.9825	BZD 1.9825	BZD 1.9825
		<sup>2</sup> S	USD 1 =	BZD 2.0175	BZD 2.0175	BZD 2.0175	BZD 2.0175
	B	EUR 1 =	BZD 2.3365	BZD 2.2440	BZD 2.2517	BZD 2.2694	
	BZD	S	EUR 1 =	BZD 2.3777	BZD 2.2836	BZD 2.2915	BZD 2.3094
<b>Benin <sup>1</sup></b>							
Porto-Novo Seat of government: Cotonou 284	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 579.570	XOF 577.478	XOF 572.888
		<sup>3</sup>	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Bermuda</b>							
Hamilton 413	Bermudian dollar = 100 cents	<sup>2</sup> B	USD 1 =	BMD 0.9960	BMD 0.9960	BMD 0.9960	BMD 0.9960
		<sup>2</sup> S	USD 1 =	BMD 1.0043	BMD 1.0043	BMD 1.0043	BMD 1.0043
	V, B	EUR 1 =	BMD 1.1763	BMD 1.1273	BMD 1.1314	BMD 1.1404	
	V, S	EUR 1 =	BMD 1.1861	BMD 1.1367	BMD 1.1408	BMD 1.1499	
<b>Bhutan <sup>1</sup></b>							
Thimphu 675	Ngultrum = 100 chhetrum	B	USD 1 =	BTN 67.47	BTN 72.40	BTN 68.80	BTN 69.00
		S	USD 1 =	BTN 69.63	BTN 74.65	BTN 70.95	BTN 71.15
	B	EUR 1 =	BTN 79.54	BTN 82.30	BTN 78.20	BTN 79.00	
	S	EUR 1 =	BTN 81.75	BTN 84.60	BTN 80.35	BTN 81.20	
<b>Bolivia, Plurinational State of</b>							
Sucre Seat of government: La Paz 516	Boliviano = 100 centavos BOB	B	USD 1 =	BOB 6.86	BOB 6.86	BOB 6.86	BOB 6.86
		S	USD 1 =	BOB 6.96	BOB 6.96	BOB 6.96	BOB 6.96
		V, B	EUR 1 =	BOB 8.0997	BOB 7.7641	BOB 7.7923	BOB 7.8547
		V, S	EUR 1 =	BOB 8.2178	BOB 7.8773	BOB 7.9059	BOB 7.9692
<b>Bosnia and Herzegovina</b>							
Sarajevo 093	Convertible marka = 100 feninga	B	USD 1 =	BAM 1.655251	BAM 1.715565	BAM 1.713305	BAM 1.703283
		S	USD 1 =	BAM 1.663548	BAM 1.724165	BAM 1.721893	BAM 1.711821
	BAM	<sup>3</sup>	EUR 1 =	BAM 1.95583	BAM 1.95583	BAM 1.95583	BAM 1.95583
<b>Botswana</b>							
Gaborone 391	Pula = 100 thebe	B	BWP 1 =	USD 0.0982	USD 0.0919	USD 0.0952	USD 0.0936
		S	BWP 1 =	USD 0.0980	USD 0.0916	USD 0.0949	USD 0.0933
	B	BWP 1 =	EUR 0.0833	EUR 0.0811	EUR 0.0837	EUR 0.0817	
	S	BWP 1 =	EUR 0.0831	EUR 0.0809	EUR 0.0836	EUR 0.0815	

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Brazil</b>							
Brasília 508	Brazilian real = 100 centavos	B	USD 1 =	BRL 3.6555	BRL 3.7171	BRL 3.8627	BRL 3.8742
		S	USD 1 =	BRL 3.6561	BRL 3.7177	BRL 3.8633	BRL 3.8748
	BRL	B	EUR 1 =	BRL 4.3257	BRL 4.2122	BRL 4.3788	BRL 4.4375
		S	EUR 1 =	BRL 4.3276	BRL 4.2136	BRL 4.3806	BRL 4.4390
<b>Brunei Darussalam <sup>1</sup></b>							
Bandar Seri Begawan 703	Brunei dollar = 100 cents	B	USD 1 =	BND 1.3412	BND 1.3764	BND 1.3606	BND 1.3616
		S	USD 1 =	BND 1.3596	BND 1.3949	BND 1.3788	BND 1.3801
	BND	B	EUR 1 =	BND 1.5653	BND 1.5465	BND 1.5352	BND 1.5431
		S	EUR 1 =	BND 1.6201	BND 1.6012	BND 1.5896	BND 1.5978
<b>Bulgaria</b>							
Sofia 068	Bulgarian lev = 100 stotinkas BGN	M	USD 1 =	BGN 1.65820	BGN 1.72807	BGN 1.72183	BGN 1.70815
		2	EUR 1 =	BGN 1.95583	BGN 1.95583	BGN 1.95583	BGN 1.95583
<b>Burkina Faso <sup>1</sup></b>							
Ouagadougou 236	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 579.570	XOF 577.478	XOF 572.888
		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 1,766.7631	BIF 1,778.7627	BIF 1,784.4849	BIF 1,790.1873
		S	USD 1 =	BIF 1,802.4553	BIF 1,814.6973	BIF 1,820.5351	BIF 1,826.3527
	BIF	B	EUR 1 =	BIF 2,084.1976	BIF 2,017.2948	BIF 2,032.7960	BIF 2,046.0051
		S	EUR 1 =	BIF 2,126.3026	BIF 2,058.0482	BIF 2,073.8626	BIF 2,087.3385
<b>Cabo Verde</b>							
Praia 247	Cabo Verde escudo = 100 centavos	B	USD 1 =	CVE 93.368	CVE 96.861	CVE 96.733	CVE 96.167
		S	USD 1 =	CVE 93.570	CVE 97.063	CVE 96.935	CVE 96.369
	CVE	2	EUR 1 =	CVE 110.265	CVE 110.265	CVE 110.265	CVE 110.265
<b>Cambodia</b>							
Phnom Penh 696	Riel = 100 sen KHR	M	USD 1 =	KHR 4,044	KHR 4,060	KHR 4,031	KHR 4,018
		B	EUR 1 =	KHR 4,766	KHR 4,606	KHR 4,592	KHR 4,597
	S	EUR 1 =	KHR 4,814	KHR 4,652	KHR 4,638	KHR 4,643	
<b>Cameroon <sup>1</sup></b>							
Yaoundé 302	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 579.570	XAF 577.478	XAF 572.888
		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 1.2957	CAD 1.3142	CAD 1.3301	CAD 1.3642
		M	EUR 1 =	CAD 1.5313	CAD 1.4876	CAD 1.5068	CAD 1.5613

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<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 0.9842	KYD 0.9432	KYD 0.9466	KYD 0.9542
<b>Central African Republic <sup>1</sup></b>							
Bangui 306	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 579.570	XAF 577.478	XAF 572.888
		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 555.425	XAF 579.570	XAF 577.478	XAF 572.888
		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 641.12	CLP 693.31	CLP 669.43	CLP 695.69
		M	EUR 1 =	CLP 756.15	CLP 787.23	CLP 761.58	CLP 795.89
<b>China</b>							
Beijing 720	Chinese renminbi <sup>4</sup> 1 yuan (renminbi) = 10 jiao = 100 fen CNY	M	USD 1 =	CNY 6.6185	CNY 6.9646	CNY 6.9357	CNY 6.8632
		M	EUR 1 =	CNY 7.8113	CNY 7.9008	CNY 7.8991	CNY 7.8473
		M	HKD 1 =	CNY 0.84482	CNY 0.88771	CNY 0.88682	CNY 0.87620
<b>China (Taiwan)</b>							
Taipei 736	New Taiwan dollar = 100 cents TWD	B	USD 1 =	TWD 30.110	TWD 30.905	TWD 30.780	TWD 30.665
		S	USD 1 =	TWD 30.210	TWD 31.005	TWD 30.880	TWD 30.765
		B	EUR 1 =	TWD 35.42	TWD 34.93	TWD 34.89	TWD 35.00
S	EUR 1 =	TWD 35.82	TWD 35.33	TWD 35.29	TWD 35.40		
<b>Colombia</b>							
Bogotá 480	Colombian peso = 100 centavos COP	M	USD 1 =	COP 2,958.634	COP 3,202.44	COP 3,240.02	COP 3,249.75
		V, M	EUR 1 =	COP 3,488.850	COP 3,624.522	COP 3,680.339	COP 3,720.964
<b>Comoros</b>							
Moroni 375	Comorian franc = 100 centimes KMF	V	USD 1 =	KMF 416.56880	KMF 434.67728	KMF 433.10833	KMF 429.66616
		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 555.425	XAF 579.570	XAF 577.478	XAF 572.888
		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> See Explanatory notes on individual countries, pp. 57 ff.

<sup>2</sup> Value against the US dollar. <sup>3</sup> Value against the euro. <sup>4</sup> Currency amounts are denoted using the designation yuan (renminbi).



#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Congo, Democratic Republic of the</b>							
Kinshasa 322	Congo franc = 100 centimes	B	USD 1 =	CDF 1,591.7807	CDF 1,600.0647	CDF 1,599.7012	CDF 1,602.9030
		S	USD 1 =	CDF 1,656.7522	CDF 1,665.3735	CDF 1,664.9951	CDF 1,668.3276
	CDF	B	EUR 1 =	CDF 1,876.6535	CDF 1,818.8243	CDF 1,804.4789	CDF 1,826.9351
		S	EUR 1 =	CDF 1,953.2516	CDF 1,893.0620	CDF 1,878.1311	CDF 1,901.5039
<b>Cook Islands <sup>1</sup></b>							
Avarua 837	Cook Islands dollar <sup>2</sup> = 100 cents  NZD	B	NZD 1 =	EUR 0.5993	EUR 0.5922	EUR 0.6174	EUR 0.6006
		S	NZD 1 =	EUR 0.5735	EUR 0.5663	EUR 0.5907	EUR 0.5745
<b>Costa Rica</b>							
San José 436	Costa Rican colón = 100 céntimos	B	USD 1 =	CRC 575.06	CRC 603.20	CRC 596.15	CRC 604.39
		S	USD 1 =	CRC 581.56	CRC 610.74	CRC 603.10	CRC 611.75
	CRC	V, B	EUR 1 =	CRC 677.7717	CRC 682.7018	CRC 677.1668	CRC 692.0266
		V, S	EUR 1 =	CRC 685.4209	CRC 691.2355	CRC 685.0613	CRC 700.4538
<b>Côte d'Ivoire <sup>1</sup></b>							
Yamoussoukro Seat of government: Abidjan 272	CFA franc  XOF	V	USD 1 =	XOF 555.425	XOF 579.570	XOF 577.478	XOF 572.888
		3	EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Croatia</b>							
Zagreb 092	Kuna = 100 lipa	B	USD 1 =	HRK 6.260285	HRK 6.518958	HRK 6.513746	HRK 6.449784
		S	USD 1 =	HRK 6.297960	HRK 6.558190	HRK 6.552946	HRK 6.488600
	HRK	B	EUR 1 =	HRK 7.391647	HRK 7.403581	HRK 7.393753	HRK 7.395322
		S	EUR 1 =	HRK 7.436130	HRK 7.448137	HRK 7.438249	HRK 7.439828
<b>Cuba <sup>1</sup></b>							
Havana 448	Convertible peso/ Cuban peso = 100 centavos	4 B	CUC 1 =	USD 1.01464	USD 1.01009	USD 1.01009	USD 1.01009
		4 S	CUC 1 =	USD 0.98589	USD 0.99010	USD 0.99010	USD 0.99010
	CUC/CUP	B	EUR 1 =	CUC 1.16158	CUC 1.12300	CUC 1.12627	CUC 1.12855
		S	EUR 1 =	CUC 1.19594	CUC 1.14570	CUC 1.14903	CUC 1.15135
<b>Curaçao</b>							
Willemstad 477	Netherlands Antillean guilder = 100 cents	4 B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		4 S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 210.14	ANG 202.15	ANG 202.63	ANG 204.14
		S	EUR 100 =	ANG 214.38	ANG 206.22	ANG 206.71	ANG 208.26
<b>Cyprus</b>							
Nicosia 600	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Czechia</b>							
Prague 061	Czech koruna = 100 heller  CZK	M	USD 1 =	CZK 21.735	CZK 22.902	CZK 22.848	CZK 22.466
		M	EUR 1 =	CZK 25.677	CZK 25.920	CZK 25.955	CZK 25.725

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

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Denmark</b>							
Copenhagen 008	Danish krone = 100 øre DKK	M	USD 100 =	DKK 631.74	DKK 659.25	DKK 656.94	DKK 651.94
		M	EUR 100 =	DKK 745.32	DKK 746.14	DKK 746.22	DKK 746.73
<b>Djibouti</b>							
Djibouti 338	Djibouti franc = 100 centimes DJF	<sup>2</sup> B	USD 1 =	DJF 176.832	DJF 176.832	DJF 176.832	DJF 176.832
		<sup>2</sup> S	USD 1 =	DJF 179.498	DJF 179.498	DJF 179.498	DJF 179.498
		B	EUR 1 =	DJF 206.95	DJF 198.97	DJF 199.74	DJF 200.55
		S	EUR 1 =	DJF 215.40	DJF 206.74	DJF 207.54	DJF 208.38
<b>Dominica</b>							
Roseau 460	East Caribbean dollar = 100 cents XCD	<sup>2</sup> B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		<sup>2</sup> S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
		V, B	EUR 1 =	XCD 3.1748	XCD 3.0425	XCD 3.0535	XCD 3.0780
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0750	XCD 3.0861	XCD 3.1109
<b>Dominican Republic</b>							
Santo Domingo 456	Dominican peso = 100 centavos DOP	B	USD 1 =	DOP 49.1931	DOP 49.6941	DOP 49.8451	DOP 49.9075
		S	USD 1 =	DOP 49.6149	DOP 50.1073	DOP 50.2567	DOP 50.3070
		B	EUR 1 =	DOP 57.5023	DOP 55.9569	DOP 56.2693	DOP 56.4919
		S	EUR 1 =	DOP 60.8134	DOP 59.4441	DOP 59.5996	DOP 59.8468
<b>Egypt</b>							
Cairo 220	Egyptian pound = 100 piastres = 1,000 milliems EGP	B	USD 1 =	EGP 17.7158	EGP 17.7800	EGP 17.7800	EGP 17.7800
		S	USD 1 =	EGP 17.8158	EGP 17.8800	EGP 17.8800	EGP 17.8800
		B	EUR 1 =	EGP 20.8527	EGP 20.1287	EGP 20.1785	EGP 20.3083
		S	EUR 1 =	EGP 21.1017	EGP 20.3135	EGP 20.3778	EGP 20.5012
<b>El Salvador <sup>1</sup></b>							
San Salvador 428	El Salvador colón = 100 centavos SVC	<sup>2</sup>	USD 1 =	SVC 8.75	SVC 8.75	SVC 8.75	SVC 8.75
		V, B / S	EUR 1 =	SVC 10.3338	SVC 9.9033	SVC 9.9391	SVC 10.0188
<b>Equatorial Guinea <sup>1</sup></b>							
Malabo 310	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 579.570	XAF 577.478	XAF 572.888
		<sup>3</sup>	EUR 1 =	XAF 655.957	XAF 655.957	XAF 655.957	XAF 655.957
<b>Eritrea</b>							
Asmara 336	Nakfa = 100 cents ERN	<sup>2</sup> B	USD 1 =	ERN 15.00	ERN 15.00	ERN 15.00	ERN 15.00
		<sup>2</sup> S	USD 1 =	ERN 15.15	ERN 15.15	ERN 15.15	ERN 15.15
		B	EUR 1 =	ERN 17.7168	ERN 17.0250	ERN 17.0505	ERN 17.0835
		S	EUR 1 =	ERN 18.3530	ERN 17.6612	ERN 17.6867	ERN 17.7197
<b>Estonia</b>							
Tallinn 053	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Ethiopia</b>							
Addis Ababa 334	Birr = 100 cents	B	USD 1 =	ETB 27.4629	ETB 27.7353	ETB 27.8813	ETB 28.0398
		S	USD 1 =	ETB 28.0122	ETB 28.2900	ETB 28.4389	ETB 28.6006
	ETB	B	EUR 1 =	ETB 32.4260	ETB 31.5378	ETB 31.6509	ETB 32.1420
		S	EUR 1 =	ETB 33.0757	ETB 32.1686	ETB 32.2839	ETB 32.7848
<b>Eswatini <sup>1</sup></b>							
Mbabane 393	Lilangeni = 100 cents	B	USD 1 =	SZL 13.2210	SZL 14.6693	SZL 13.6588	SZL 14.3731
		S	USD 1 =	SZL 13.2380	SZL 14.6784	SZL 13.6701	SZL 14.4044
	SZL	B	EUR 1 =	SZL 15.56690	SZL 16.6362	SZL 15.5592	SZL 16.4186
		S	EUR 1 =	SZL 15.59092	SZL 16.6685	SZL 15.5742	SZL 16.4587
<b>Falkland Islands (Islas Malvinas)</b>							
Stanley 529	Falkland Islands pound <sup>2</sup> = 100 pence FKP	V	USD 1 =	FKP 0.74912	FKP 0.78524	FKP 0.78412	FKP 0.78125
		V	EUR 1 =	FKP 0.88471	FKP 0.88873	FKP 0.89068	FKP 0.89453
<b>Fiji</b>							
Suva 815	Fiji dollar = 100 cents	B	FJD 1 =	USD 0.4869	USD 0.4733	USD 0.4817	USD 0.4754
		S	FJD 1 =	USD 0.4699	USD 0.4563	USD 0.4647	USD 0.4584
	FJD	B	FJD 1 =	EUR 0.4112	EUR 0.4152	EUR 0.4212	EUR 0.4135
		S	FJD 1 =	EUR 0.3992	EUR 0.4032	EUR 0.4092	EUR 0.4015
<b>Finland</b>							
Helsinki 032	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>France</b>							
Paris 001	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Gabon <sup>1</sup></b>							
Libreville 314	CFA franc XAF	V	USD 1 =	XAF 555.425	XAF 579.570	XAF 577.478	XAF 572.888
		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 48.15	GMD 49.43	GMD 49.50	GMD 49.28
		M	EUR 1 =	GMD 57.13	GMD 57.13	GMD 56.71	GMD 57.07
<b>Georgia</b>							
Tbilisi 076	Lari = 100 tetri GEL	M	USD 1 =	GEL 2.5403	GEL 2.7027	GEL 2.6896	GEL 2.6766
		M	EUR 1 =	GEL 2.9973	GEL 3.0703	GEL 3.0543	GEL 3.0701

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Germany</b>							
Berlin 004	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Ghana</b>							
Accra 276	Ghana cedi = 100 Ghana pesewas GHS	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GHS 4.5987 GHS 4.6033 GHS 5.4149 GHS 5.4191	GHS 4.7875 GHS 4.7923 GHS 5.4167 GHS 5.4206	GHS 4.8036 GHS 4.8084 GHS 5.4479 GHS 5.4527	GHS 4.8176 GHS 4.8224 GHS 5.5111 GHS 5.5150
<b>Gibraltar</b>							
Gibraltar 044	Gibraltar pound <sup>2</sup> = 100 pence GIP	V V	USD 1 = EUR 1 =	GIP 0.74912 GIP 0.88471	GIP 0.78524 GIP 0.88873	GIP 0.78412 GIP 0.89068	GIP 0.78125 GIP 0.89453
<b>Greece <sup>1</sup></b>							
Athens 009	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Grenada</b>							
St George's 473	East Caribbean dollar = 100 cents XCD	<sup>3</sup> B <sup>3</sup> S V, B V, S	USD 1 = USD 1 = EUR 1 = EUR 1 =	XCD 2.6882 XCD 2.7169 XCD 3.1748 XCD 3.2087	XCD 2.6882 XCD 2.7169 XCD 3.0425 XCD 3.0750	XCD 2.6882 XCD 2.7169 XCD 3.0535 XCD 3.0861	XCD 2.6882 XCD 2.7169 XCD 3.0780 XCD 3.1109
<b>Guatemala</b>							
Guatemala City 416	Quetzal = 100 centavos GTQ	M V, M	USD 1 = EUR 1 =	GTQ 7.53678 GTQ 8.88361	GTQ 7.73340 GTQ 8.75266	GTQ 7.70115 GTQ 8.74774	GTQ 7.73695 GTQ 8.85881
<b>Guinea</b>							
Conakry 260	Guinean franc GNF	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GNF 8,702.9167 GNF 9,105.4167 GNF 10,255.3990 GNF 10,726.1789	GNF 8,710.00 GNF 9,160.00 GNF 9,879.204 GNF 10,378.268	GNF 8,730.00 GNF 9,180.00 GNF 9,932.758 GNF 10,444.755	GNF 8,760.00 GNF 9,250.00 GNF 10,009.141 GNF 10,569.013
<b>Guinea-Bissau <sup>1</sup></b>							
Bissau 257	CFA franc XOF	V 4	USD 1 = EUR 1 =	XOF 555.425 XOF 655.957	XOF 579.570 XOF 655.957	XOF 577.478 XOF 655.957	XOF 572.888 XOF 655.957
<b>Guyana</b>							
Georgetown 488	Guyana dollar = 100 cents GYD	B S B S	USD 1 = USD 1 = EUR 1 = EUR 1 =	GYD 207.48 GYD 209.95 GYD 244.59 GYD 247.72	GYD 207.98 GYD 210.45 GYD 235.62 GYD 238.63	GYD 207.98 GYD 210.45 GYD 236.51 GYD 239.54	GYD 207.98 GYD 210.45 GYD 238.07 GYD 241.12

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

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Haiti</b>							
Port-au-Prince 452	Gourde = 100 centimes  HTG	M	USD 1 =	HTG 68.5596	HTG 72.2672	HTG 74.6114	HTG 77.1881
		V, M	EUR 1 =	HTG 80.7298	HTG 81.7920	HTG 84.7511	HTG 88.3804
<b>Honduras</b>							
Tegucigalpa 424	Lempira = 100 centavos  HNL	B	USD 1 =	HNL 23.9317	HNL 24.1075	HNL 24.3041	HNL 24.3388
		S	USD 1 =	HNL 24.0992	HNL 24.2763	HNL 24.4742	HNL 24.5092
		V, B	EUR 1 =	HNL 28.2144	HNL 27.2849	HNL 27.6070	HNL 27.8679
		V, S	EUR 1 =	HNL 28.4119	HNL 27.4759	HNL 27.8002	HNL 28.0630
<b>Hong Kong</b>							
Hong Kong 740	Hong Kong dollar = 100 cents  HKD	B	USD 1 =	HKD 7.81855	HKD 7.82550	HKD 7.80150	HKD 7.81160
		S	USD 1 =	HKD 7.85902	HKD 7.86620	HKD 7.84220	HKD 7.85220
		B	EUR 1 =	HKD 9.21168	HKD 8.86294	HKD 8.84234	HKD 8.92334
		S	EUR 1 =	HKD 9.28494	HKD 8.94936	HKD 8.92866	HKD 9.00986
<b>Hungary</b>							
Budapest 064	Hungarian forint = 100 fillér  HUF	M	USD 1 =	HUF 270.25	HUF 286.40	HUF 284.54	HUF 280.94
		M	EUR 1 =	HUF 319.90	HUF 324.69	HUF 323.55	HUF 321.51
<b>Iceland</b>							
Reykjavik 024	Icelandic krona  ISK	B	USD 1 =	ISK 107.965	ISK 121.14	ISK 122.36	ISK 116.05
		S	USD 1 =	ISK 108.479	ISK 121.72	ISK 122.94	ISK 116.61
		B	EUR 1 =	ISK 127.37	ISK 137.32	ISK 139.01	ISK 132.86
		S	EUR 1 =	ISK 128.30	ISK 138.08	ISK 139.79	ISK 133.60
<b>India <sup>1</sup></b>							
New Delhi 664	Indian rupee = 100 paise  INR	M	USD 1 =	INR 68.3696	INR 73.9936	INR 69.6574	INR 69.7923
		M	EUR 1 =	INR 80.7937	INR 83.9250	INR 79.3588	INR 79.7805
<b>Indonesia</b>							
Jakarta 700	Indonesian rupiah = 100 sen  IDR	B	USD 1 =	IDR 14,176.33	IDR 15,151.00	IDR 14,267.00	IDR 14,409.00
		S	USD 1 =	IDR 14,319.00	IDR 15,303.00	IDR 14,411.00	IDR 14,553.00
		B	EUR 1 =	IDR 16,723.60	IDR 17,191.84	IDR 16,252.97	IDR 16,476.69
		S	EUR 1 =	IDR 16,895.44	IDR 17,365.84	IDR 16,419.89	IDR 16,642.81
<b>Iran, Islamic Republic of <sup>1</sup></b>							
Tehran 616	Iranian rial = 100 dinars  IRR	M	USD 1 =	IRR 41,069 <sup>2</sup>	IRR 42,000 <sup>1</sup>	IRR 42,000 <sup>1</sup>	IRR 42,000 <sup>1</sup>
		M	EUR 1 =	IRR 48,406 <sup>2</sup>	IRR 47,633 <sup>1</sup>	IRR 47,813 <sup>1</sup>	IRR 48,011 <sup>1</sup>

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

<sup>2</sup> Due to several changes in the exchange rate regime only of limited informative value.

#### 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 2018	Rate at end of month			
					October 2018	November 2018	December 2018	
<b>Iraq <sup>1</sup></b>								
Baghdad 612	Iraqi dinar = 1,000 fils	2	B	USD 1 =	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00	IQD 1,182.00
			S	USD 1 =	IQD 1,188.00	IQD 1,190.00	IQD 1,190.00	IQD 1,190.00
			B	EUR 1 =	IQD 1,397.087	IQD 1,337.788	IQD 1,345.943	IQD 1,355.636
			S	EUR 1 =	IQD 1,400.610	IQD 1,346.842	IQD 1,355.053	IQD 1,364.811
		3	B	USD 1 =	IQD 1,201.64	IQD 1,200.00	IQD 1,193.94	IQD 1,195.74
			S	USD 1 =	IQD 1,204.65	IQD 1,204.00	IQD 1,193.97	IQD 1,195.78
		V, B	EUR 1 =	IQD 1,417.40	IQD 1,358.16	IQD 1,356.20	IQD 1,369.12	
			V, S	EUR 1 =	IQD 1,420.96	IQD 1,362.69	IQD 1,356.23	IQD 1,369.17
<b>Ireland</b>								
Dublin 007	Euro = 100 cent  EUR		M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Israel</b>								
Jerusalem 624	New shekel = 100 agorot  ILS		M	USD 1 =	ILS 3.5970	ILS 3.7210	ILS 3.7010	ILS 3.7480
			M	EUR 1 =	ILS 4.2524	ILS 4.2114	ILS 4.2109	ILS 4.2916
<b>Italy</b>								
Rome 005	Euro = 100 cent  EUR		M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Jamaica</b>								
Kingston 464	Jamaican dollar = 100 cents  JMD	B	USD 1 =	JMD 128.0409	JMD 127.4969	JMD 125.7950	JMD 126.8307	
			S	USD 1 =	JMD 129.6176	JMD 128.6277	JMD 127.6144	JMD 127.9683
			B	EUR 1 =	JMD 146.23049	JMD 145.3421	JMD 136.9915	JMD 139.8960
			S	EUR 1 =	JMD 154.30423	JMD 146.6720	JMD 145.8231	JMD 152.1280
<b>Japan</b>								
Tokyo 732	Japanese yen = 100 sen  JPY	B	USD 1 =	JPY 109.44	JPY 112.26	JPY 112.47	JPY 110.00	
			S	USD 1 =	JPY 111.44	JPY 114.26	JPY 114.47	JPY 112.00
			B	EUR 1 =	JPY 128.51	JPY 126.93	JPY 127.69	JPY 125.50
			S	EUR 1 =	JPY 131.51	JPY 129.93	JPY 130.69	JPY 128.50
<b>Jordan</b>								
Amman 628	Jordanian dinar = 1,000 fils  JOD	2	B	USD 1 =	JOD 0.7080	JOD 0.7080	JOD 0.7080	JOD 0.7080
			S	USD 1 =	JOD 0.7100	JOD 0.7100	JOD 0.7100	JOD 0.7100
			B	EUR 1 =	JOD 0.83297	JOD 0.80153	JOD 0.80351	JOD 0.80868
			S	EUR 1 =	JOD 0.83920	JOD 0.80663	JOD 0.80919	JOD 0.81409
<b>Kazakhstan</b>								
Astana 079	Tenge = 100 tiyn  KZT		M	USD 1 =	KZT 346.62	KZT 368.55	KZT 371.28	KZT 384.20
			M	EUR 1 =	KZT 408.59	KZT 418.71	KZT 422.18	KZT 439.37

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. **1** See Explanatory notes on individual countries, pp. 57 ff. **2** Official rate; value against the US dollar. **3** Market rate.

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month			
					October 2018	November 2018	December 2018	
<b>Kenya <sup>1</sup></b>								
Nairobi 346	Kenya shilling = 100 cents	B	USD 1 =	KES 101.2370	KES 101.7472	KES 102.4444	KES 101.7461	
		S	USD 1 =	KES 101.4372	KES 101.9472	KES 102.6444	KES 101.9461	
	KES	B	EUR 1 =	KES 119.3664	KES 115.4794	KES 116.6589	KES 116.3122	
		S	EUR 1 =	KES 119.6328	KES 115.7411	KES 116.9094	KES 116.5806	
	<b>Korea, Democratic People's Republic of</b>							
	Pyongyang 724	North Korean won = 100 chon	B	USD 1 =	KPW 105.14	KPW 107.12 <sup>2</sup>	KPW 106.84 <sup>2</sup>	KPW 106.44 <sup>2</sup>
S			USD 1 =	KPW 106.02	KPW 108.19 <sup>2</sup>	KPW 107.91 <sup>2</sup>	KPW 107.50 <sup>2</sup>	
KPW		B	EUR 1 =	KPW 123.85	KPW 121.20 <sup>2</sup>	KPW 121.45 <sup>2</sup>	KPW 121.90 <sup>2</sup>	
		S	EUR 1 =	KPW 124.88	KPW 122.41 <sup>2</sup>	KPW 122.66 <sup>2</sup>	KPW 123.12 <sup>2</sup>	
<b>Korea, Republic of</b>								
Seoul 728		South Korean won = 100 chon	B	USD 1 =	KRW 1,091.21	KRW 1,129.40	KRW 1,111.10	KRW 1,105.10
	S		USD 1 =	KRW 1,112.71	KRW 1,151.60	KRW 1,132.90	KRW 1,126.90	
	KRW	B	EUR 1 =	KRW 1,283.68	KRW 1,279.72	KRW 1,262.74	KRW 1,265.60	
		S	EUR 1 =	KRW 1,309.60	KRW 1,305.56	KRW 1,288.24	KRW 1,291.16	
	<b>Kuwait</b>							
	Kuwait 636	Kuwaiti dinar = 1,000 fils	B	USD 1 =	KWD 0.30068	KWD 0.30265	KWD 0.30245	KWD 0.30125
S			USD 1 =	KWD 0.30428	KWD 0.30625	KWD 0.30605	KWD 0.30635	
KWD		B	EUR 1 =	KWD 0.354396	KWD 0.342448	KWD 0.343750	KWD 0.345097	
		S	EUR 1 =	KWD 0.358627	KWD 0.346522	KWD 0.347841	KWD 0.350939	
<b>Kyrgyzstan</b>								
Bishkek 083		Kyrgyz som = 100 tyiyn	M	USD 1 =	KGS 68.8858	KGS 69.6839	KGS 69.8475	KGS 69.8500
	M		EUR 1 =	KGS 81.3869	KGS 79.2863	KGS 79.4376	KGS 80.0446	
	KGS							
<b>Lao People's Democratic Republic</b>								
Vientiane 684	Kip	B	USD 1 =	LAK 8,408	LAK 8,532	LAK 8,536	LAK 8,538	
		S	USD 1 =	LAK 8,433	LAK 8,545	LAK 8,549	LAK 8,551	
	LAK	B	EUR 1 =	LAK 9,885	LAK 9,689	LAK 9,720	LAK 9,753	
		S	EUR 1 =	LAK 9,931	LAK 9,734	LAK 9,766	LAK 9,799	
	<b>Latvia</b>							
	Riga 054	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Lebanon</b>								
Beirut 604	Lebanese pound = 100 piastres	M	USD 1 =	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	LBP 1,507.50	
		M	EUR 1 =	LBP 1,782.68	LBP 1,710.41	LBP 1,714.33	LBP 1,724.73	
	LBP							
<b>Lesotho <sup>1</sup></b>								
Maseru 395	Loti = 100 lisente LSL	M	USD 1 =	LSL 13.2646	LSL 14.8247	LSL 13.7346	LSL 14.4239 <sup>3</sup>	
		M	EUR 1 =	LSL 15.6033	LSL 16.7837	LSL 15.6121	LSL 16.4649 <sup>3</sup>	

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

<sup>2</sup> As a rule, rate from the first business day of the following month. <sup>3</sup> Exchange rate as of 21 December 2018.

#### 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 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Liberia <sup>1</sup></b>							
Monrovia 268	Liberian dollar = 100 cents	B	USD 1 =	LRD 144.36	LRD 156.6947	LRD 157.3990	LRD 156.7555
		S	USD 1 =	LRD 145.23	LRD 157.5689	LRD 158.3633	LRD 158.3573
	LRD	V, B	EUR 1 =	LRD 169.8138	LRD 177.3471	LRD 178.7895	LRD 179.4850
		V, S	EUR 1 =	LRD 170.8374	LRD 178.3365	LRD 179.8849	LRD 181.3191
<b>Libya</b>							
Tripoli 216	Libyan dinar = 1,000 dirham	B	USD 1 =	LYD 1.3631	LYD 1.3953	LYD 1.3920	LYD 1.3875
		S	USD 1 =	LYD 1.3700	LYD 1.4022	LYD 1.3990	LYD 1.3945
	LYD	B	EUR 1 =	LYD 1.6066	LYD 1.5824	LYD 1.5846	LYD 1.5858
		S	EUR 1 =	LYD 1.6147	LYD 1.5904	LYD 1.5926	LYD 1.5937
<b>Lithuania</b>							
Vilnius 055	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Luxembourg</b>							
Luxembourg 018	Euro = 100 cent  EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Macao <sup>1</sup></b>							
Macao 743	Pataca = 100 avos	B	USD 1 =	MOP 8.0672	MOP 8.0759	MOP 8.0514	MOP 8.0612
		S	USD 1 =	MOP 8.0921	MOP 8.0984	MOP 8.0739	MOP 8.0837
	MOP	B	EUR 1 =	MOP 9.5102	MOP 9.1640	MOP 9.1479	MOP 9.2171
		S	EUR 1 =	MOP 9.5588	MOP 9.2025	MOP 9.1864	MOP 9.2556
<b>Macedonia, former Yugoslav Republic of</b>							
Skopje 096	Macedonian denar = 100 deni	B	USD 1 =	MKD 51.8497	MKD 53.8054	MKD 53.7341	MKD 53.4202
		S	USD 1 =	MKD 52.3708	MKD 54.3462	MKD 54.2741	MKD 53.9571
	MKD	B	EUR 1 =	MKD 61.2037	MKD 61.1875	MKD 61.1870	MKD 61.1875
		S	EUR 1 =	MKD 61.8188	MKD 61.8025	MKD 61.8020	MKD 61.8025
<b>Madagascar</b>							
Antananarivo 370	Ariary = 5 iraimbilanja  MGA	M	USD 1 =	MGA 3,341.81	MGA 3,537.38	MGA 3,631.83	MGA 3,470.24
		M	EUR 1 =	MGA 3,946.06	MGA 4,006.71	MGA 4,125.51	MGA 3,962.15
<b>Malawi</b>							
Lilongwe 386	Malawi kwacha = 100 tambala	B	USD 1 =	MWK 717.8509	MWK 719.9265	MWK 722.9756	MWK 719.7693
		S	USD 1 =	MWK 736.2822	MWK 738.1525	MWK 741.8722	MWK 738.5821
	MWK	B	EUR 1 =	MWK 847.2160	MWK 816.5406	MWK 823.6861	MWK 822.2645
		S	EUR 1 =	MWK 868.9726	MWK 837.2126	MWK 845.2150	MWK 843.7562

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



#### IV. Overview of world currencies \*

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Malaysia</b>							
Kuala Lumpur Seat of government: Putrajaya 701	Malaysian ringgit = 100 sen	B	USD 1 =	MYR 3.9706	MYR 4.1207	MYR 4.1225	MYR 4.0812
		S	USD 1 =	MYR 4.0991	MYR 4.2453	MYR 4.2515	MYR 4.2088
	MYR	B	EUR 1 =	MYR 4.6691	MYR 4.6622	MYR 4.6730	MYR 4.6487
		S	EUR 1 =	MYR 4.8499	MYR 4.8292	MYR 4.8657	MYR 4.8404
<b>Maldives</b>							
Malé 667	Rufiyaa = 100 laari MVR	M	USD 1 =	MVR 15.40	MVR 15.40	MVR 15.41	MVR 15.41
		V, M	EUR 1 =	MVR 18.16330	MVR 17.42972	MVR 17.50422	MVR 17.64445
<b>Mali 1</b>							
Bamako 232	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 579.570	XOF 577.478	XOF 572.888
		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 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Mauritania</b>							
Nouakchott 228	Ouguiya	B	USD 1 =	MRU 35.61	MRU 35.75	MRU 36.40	MRU 36.30
		S	USD 1 =	MRU 35.97	MRU 36.11	MRU 36.76	MRU 36.66
	MRU	B	EUR 1 =	MRU 42.03	MRU 40.54	MRU 41.34	MRU 41.57
		S	EUR 1 =	MRU 42.45	MRU 40.94	MRU 41.75	MRU 41.98
<b>Mauritius</b>							
Port Louis 373	Mauritian rupee = 100 cents	B	USD 1 =	MUR 33.6405	MUR 34.2693	MUR 34.0253	MUR 33.9150
		S	USD 1 =	MUR 34.6236	MUR 35.1686	MUR 34.9243	MUR 34.8143
	MUR	B	EUR 1 =	MUR 39.5707	MUR 38.7447	MUR 38.6385	MUR 38.6418
		S	EUR 1 =	MUR 40.7996	MUR 39.8544	MUR 39.7499	MUR 39.7559
<b>Mexico</b>							
Mexico City 412	Mexican peso = 100 centavos	B	USD 1 =	MXN 19.2071	MXN 20.2925	MXN 20.4455	MXN 19.6570
		S	USD 1 =	MXN 19.2144	MXN 20.3000	MXN 20.4530	MXN 19.6650
	MXN	V, B	EUR 1 =	MXN 22.6936	MXN 22.9671	MXN 23.2240	MXN 22.5073
		V, S	EUR 1 =	MXN 22.7021	MXN 22.9755	MXN 23.2326	MXN 22.5164
<b>Moldova, Republic of</b>							
Chisinau 074	Moldovan leu = 100 bani MDL	M	USD 1 =	MDL 16.8043	MDL 17.1326	MDL 17.2336	MDL 17.1427
		M	EUR 1 =	MDL 19.8400	MDL 19.4412	MDL 19.5868	MDL 19.5212
<b>Mongolia</b>							
Ulan Bator 716	Togrog = 100 mongo MNT	M	USD 1 =	MNT 2,483.64	MNT 2,564.44	MNT 2,627.04	MNT 2,643.69
		M	EUR 1 =	MNT 2,928.63	MNT 2,909.87	MNT 2,988.26	MNT 3,024.65

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Morocco</b>							
Rabat 204	Moroccan dirham = 100 centimes MAD	M	USD 1 =	MAD 9.3893	MAD 9.5646	MAD 9.4942	MAD 9.5655
		M	EUR 1 =	MAD 11.0887	MAD 10.8453	MAD 10.8025	MAD 10.9525
<b>Mozambique</b>							
Maputo 366	Metical = 100 centavos MZN	B	USD 1 =	MZN 59.82	MZN 60.02	MZN 60.86	MZN 60.86
		S	USD 1 =	MZN 61.01	MZN 61.21	MZN 62.07	MZN 62.07
		B	EUR 1 =	MZN 70.66	MZN 68.36	MZN 69.29	MZN 69.56
		S	EUR 1 =	MZN 72.05	MZN 69.72	MZN 70.67	MZN 70.94
<b>Myanmar</b>							
Nay Pyi Taw 676	Kyat = 100 pyas MMK	M	USD 1 =	MMK 1,440.42	MMK 1,560.00	MMK 1,573.00	MMK 1,550.00
		M	EUR 1 =	MMK 1,695.58	MMK 1,769.50	MMK 1,792.20	MMK 1,773.30
<b>Namibia <sup>1</sup></b>							
Windhoek 389	Namibia dollar = 100 cents NAD	M	USD 1 =	NAD 13.2345	NAD 14.6484	NAD 13.6672	NAD 14.5560 <sup>2</sup>
		M	EUR 1 =	NAD 15.5835	NAD 16.6114	NAD 15.5662	NAD 16.5808 <sup>2</sup>
<b>Nepal</b>							
Kathmandu 672	Nepalese rupee = 100 paisa NPR	B	USD 1 =	NPR 109.25	NPR 117.59	NPR 111.45	NPR 111.61
		S	USD 1 =	NPR 109.85	NPR 118.19	NPR 112.05	NPR 112.21
		B	EUR 1 =	NPR 128.90	NPR 133.49	NPR 126.54	NPR 128.00
		S	EUR 1 =	NPR 129.61	NPR 134.17	NPR 127.22	NPR 128.69
<b>Netherlands</b>							
Amsterdam Seat of government: The Hague 003	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>New Caledonia <sup>1</sup></b>							
Nouméa 809	CFP franc XPF	V	XPF 1,000 =	USD 9.90	USD 9.48	USD 9.52	USD 9.60
		3	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 NZD	B	NZD 1 =	USD 0.7068	USD 0.6695	USD 0.7011	USD 0.6853
		S	NZD 1 =	USD 0.6815	USD 0.6453	USD 0.6760	USD 0.6606
		B	NZD 1 =	EUR 0.5993	EUR 0.5922	EUR 0.6174	EUR 0.6006
		S	NZD 1 =	EUR 0.5735	EUR 0.5663	EUR 0.5907	EUR 0.5745

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 57 ff. <sup>2</sup> Exchange rate as of 24 December 2018. <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 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Nicaragua</b>							
Managua 432	Córdoba = 100 centavos  NIO	M  V, M	USD 1 =	NIO 31.6153	NIO 32.0679	NIO 32.1968	NIO 32.3305
			EUR 1 =	NIO 37.26925	NIO 36.29445	NIO 36.57235	NIO 37.01842
<b>Niger <sup>1</sup></b>							
Niamey 240	CFA franc  XOF	V  2	USD 1 =	XOF 555.425	XOF 579.570	XOF 577.478	XOF 572.888
			EUR 1 =	XOF 655.957	XOF 655.957	XOF 655.957	XOF 655.957
<b>Nigeria <sup>1</sup></b>							
Abuja 288	Naira = 100 kobo  NGN	B S  B S	USD 1 =	NGN 305.10	NGN 305.60	NGN 305.80	NGN 306.00
			USD 1 =	NGN 306.10	NGN 306.60	NGN 306.80	NGN 307.00
			EUR 1 =	NGN 360.3831	NGN 346.0003	NGN 347.5417	NGN 350.1864
			EUR 1 =	NGN 361.5644	NGN 347.1325	NGN 348.6782	NGN 351.3308
<b>Norway</b>							
Oslo 028	Norwegian krone = 100 øre  NOK	B S  B S	USD 1 =	NOK 8.1037	NOK 8.3741	NOK 8.5188	NOK 8.6586
			USD 1 =	NOK 8.1687	NOK 8.4391	NOK 8.5838	NOK 8.7236
			EUR 1 =	NOK 9.5874	NOK 9.5051	NOK 9.6958	NOK 9.9088
			EUR 1 =	NOK 9.6594	NOK 9.5771	NOK 9.7678	NOK 9.9808
<b>Oman</b>							
Muscat 649	Rial Omani = 1,000 baisa  OMR	3 B 3 S  B S	USD 1 =	OMR 0.3840	OMR 0.3840	OMR 0.3840	OMR 0.3840
			USD 1 =	OMR 0.3850	OMR 0.3850	OMR 0.3850	OMR 0.3850
			EUR 1 =	OMR 0.4528544	OMR 0.4355328	OMR 0.4369152	OMR 0.4391808
			EUR 1 =	OMR 0.4541107	OMR 0.4367440	OMR 0.4381300	OMR 0.4404015
<b>Pakistan</b>							
Islamabad 662	Pakistani rupee = 100 paisa  PKR	B S  B S	USD 1 =	PKR 121.67	PKR 132.20	PKR 133.70	PKR 138.60
			USD 1 =	PKR 121.90	PKR 132.40	PKR 133.90	PKR 139.10
			EUR 1 =	PKR 143.54	PKR 150.00	PKR 152.58	PKR 158.52
			EUR 1 =	PKR 143.80	PKR 150.23	PKR 152.80	PKR 159.10
<b>Panama <sup>1</sup></b>							
Panama City 442	Balboa = 100 centésimos  PAB	4  V	USD 1 =	PAB 1	PAB 1	PAB 1	PAB 1
			EUR 1 =	PAB 1.1810	PAB 1.1318	PAB 1.1359	PAB 1.1450
<b>Papua New Guinea</b>							
Port Moresby 801	Kina = 100 toea  PGK	B S  B S	PGK 1 =	USD 0.3108	USD 0.3055	USD 0.3045	USD 0.3045
			PGK 1 =	USD 0.2958	USD 0.2905	USD 0.2895	USD 0.2895
			PGK 1 =	EUR 0.2612	EUR 0.2661	EUR 0.2642	EUR 0.2630
			PGK 1 =	EUR 0.2462	EUR 0.2511	EUR 0.2492	EUR 0.2480

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

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Paraguay</b>							
Asunción 520	Guaraní = 100 céntimos	B	USD 1 =	PYG 5,727.98	PYG 5,985.66	PYG 5,925.29	PYG 5,960.14
		S	USD 1 =	PYG 5,739.88	PYG 6,001.44	PYG 5,940.91	PYG 5,960.94
	PYG	V, B	EUR 1 =	PYG 6,762.15	PYG 6,774.57	PYG 6,730.54	PYG 6,826.74
		V, S	EUR 1 =	PYG 6,776.14	PYG 6,792.43	PYG 6,748.28	PYG 6,827.66
<b>Peru</b>							
Lima 504	Sol = 100 céntimos	B	USD 1 =	PEN 3.285	PEN 3.364	PEN 3.378	PEN 3.369
		S	USD 1 =	PEN 3.289	PEN 3.367	PEN 3.382	PEN 3.379
	PEN	B	EUR 1 =	PEN 3.811	PEN 3.743	PEN 3.769	PEN 3.695
		S	EUR 1 =	PEN 4.000	PEN 3.909	PEN 3.997	PEN 4.150
<b>Philippines</b>							
Manila 708	Philippine peso = 100 centavos	B	USD 1 =	PHP 52.48	PHP 53.25	PHP 52.25	PHP 52.25
		S	USD 1 =	PHP 52.98	PHP 53.75	PHP 52.75	PHP 52.75
	PHP	B	EUR 1 =	PHP 60.5284	PHP 58.8068	PHP 57.4077	PHP 58.2000
		S	EUR 1 =	PHP 63.7421	PHP 62.2065	PHP 60.7541	PHP 61.5900
<b>Poland</b>							
Warsaw 060	Polish zloty = 100 groszy PLN	M	USD 1 =	PLN 3.6125	PLN 3.8203	PLN 3.7731	PLN 3.7597
		M	EUR 1 =	PLN 4.2669	PLN 4.3313	PLN 4.2904	PLN 4.3000
<b>Portugal</b>							
Lisbon 010	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Qatar</b>							
Doha 644	Qatari riyal = 100 dirham QAR	<sup>2</sup>	USD 1 =	QAR 3.6400	QAR 3.6400	QAR 3.6400	QAR 3.6400
		V, M	EUR 1 =	QAR 4.2927	QAR 4.1198	QAR 4.1347	QAR 4.1678
<b>Romania</b>							
Bucharest 066	Romanian leu = 100 bani RON	M	USD 1 =	RON 3.9433	RON 4.1141	RON 4.1008	RON 4.0736
		M	EUR 1 =	RON 4.6558	RON 4.6668	RON 4.6560	RON 4.6639
<b>Russian Federation</b>							
Moscow 075	Russian rouble = 100 kopecks RUB	M	USD 1 =	RUB 62.9446	RUB 65.7742	RUB 66.6342	RUB 69.4706
		M	EUR 1 =	RUB 74.0611	RUB 74.7918	RUB 75.8897	RUB 79.4605

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

#### IV. Overview of world currencies \*

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Rwanda</b>							
Kigali 324	Rwanda franc = 100 centimes	B	USD 1 =	RWF 853.180023	RWF 864.731265	RWF 868.062701	RWF 870.397775
		S	USD 1 =	RWF 870.241900	RWF 882.024143	RWF 885.422201	RWF 887.803973
	RWF	B	EUR 1 =	RWF 1,008.609844	RWF 980.691727	RWF 988.983835	RWF 994.908177
		S	EUR 1 =	RWF 1,028.780004	RWF 1,000.303581	RWF 1,008.761514	RWF 1,014.804331
<b>Saint Helena, Ascension and Tristan da Cunha</b>							
Jamestown 329	Saint Helena pound 2 = 100 pence  SHP	V	USD 1 =	SHP 0.74912	SHP 0.78524	SHP 0.78412	SHP 0.78125
		V	EUR 1 =	SHP 0.88471	SHP 0.88873	SHP 0.89068	SHP 0.89453
<b>Saint Kitts and Nevis</b>							
Basseterre 449	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.1748	XCD 3.0425	XCD 3.0535	XCD 3.0780
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0750	XCD 3.0861	XCD 3.1109
<b>Saint Lucia</b>							
Castries 465	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.1748	XCD 3.0425	XCD 3.0535	XCD 3.0780
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0750	XCD 3.0861	XCD 3.1109
<b>Saint Vincent and the Grenadines</b>							
Kingstown 467	East Caribbean dollar = 100 cents	3 B	USD 1 =	XCD 2.6882	XCD 2.6882	XCD 2.6882	XCD 2.6882
		3 S	USD 1 =	XCD 2.7169	XCD 2.7169	XCD 2.7169	XCD 2.7169
	XCD	V, B	EUR 1 =	XCD 3.1748	XCD 3.0425	XCD 3.0535	XCD 3.0780
		V, S	EUR 1 =	XCD 3.2087	XCD 3.0750	XCD 3.0861	XCD 3.1109
<b>Samoa</b>							
Apia 819	Tala = 100 sene  WST	M	WST 1 =	USD 0.38875	USD 0.37791	USD 0.38610	USD 0.38030
		M	WST 1 =	EUR 0.32973	EUR 0.33159	EUR 0.33956	EUR 0.33225
<b>Sao Tome and Principe</b>							
São Tomé 311	Dobra = 100 cêntimos	B	USD 1 =	STN 20.7647	STN 21.5441	STN 21.5158	STN 21.3899
		S	USD 1 =	STN 21.0762	STN 21.8673	STN 21.8385	STN 21.7108
	STN	4	EUR 1 =	STN 24.5000	STN 24.5000	STN 24.5000	STN 24.5000
<b>Saudi Arabia</b>							
Riyadh 632	Saudi riyal = 100 halalah	3 B	USD 1 =	SAR 3.7440	SAR 3.7440	SAR 3.7440	SAR 3.7440
		3 S	USD 1 =	SAR 3.7540	SAR 3.7540	SAR 3.7540	SAR 3.7540
	SAR	B	EUR 1 =	SAR 4.3071	SAR 4.1329	SAR 4.1219	SAR 4.2869 V
S		EUR 1 =	SAR 4.5370	SAR 4.3747	SAR 4.3639	SAR 4.2983 V	

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

2 Parity in relation to the pound sterling. 3 Value against the US dollar. 4 Value against the euro.

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Senegal <sup>1</sup></b>							
Dakar 248	CFA franc	V	USD 1 =	XOF 555.425	XOF 579.570	XOF 577.478	XOF 572.888
	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 99.9481	RSD 103.9810	RSD 103.5689	RSD 103.0791
		S	USD 1 =	RSD 100.5496	RSD 104.6068	RSD 104.1921	RSD 103.6995
	RSD	B	EUR 1 =	RSD 117.9053	RSD 117.9664	RSD 117.9649	RSD 117.8400
		S	EUR 1 =	RSD 118.6148	RSD 118.6764	RSD 118.6749	RSD 118.5492
<b>Seychelles</b>							
Victoria 355	Seychelles rupee = 100 cents	B	USD 1 =	SCR 13.7032	SCR 13.8501	SCR 13.7699	SCR 13.8253
		S	USD 1 =	SCR 14.0698	SCR 14.1094	SCR 14.1679	SCR 14.1788
	SCR	B	EUR 1 =	SCR 16.2129	SCR 15.5565	SCR 15.9559	SCR 15.7626
		S	EUR 1 =	SCR 16.6326	SCR 16.0756	SCR 16.1444	SCR 16.2580
<b>Sierra Leone</b>							
Freetown 264	Leone = 100 cents	B	USD 1 =	SLL 7,878.57	SLL 8,226.55	SLL 8,295.59	SLL 8,312.09
		S	USD 1 =	SLL 8,037.73	SLL 8,392.74	SLL 8,463.18	SLL 8,480.01
	SLL	B	EUR 1 =	SLL 9,290.70	SLL 9,338.31	SLL 9,449.09	SLL 9,508.83
		S	EUR 1 =	SLL 9,475.79	SLL 9,527.40	SLL 9,633.76	SLL 9,697.76
<b>Singapore <sup>1</sup></b>							
Singapore 706	Singapore dollar = 100 cents SGD	M	USD 1 =	SGD 1.3486	SGD 1.3865	SGD 1.3705	SGD 1.3648
		M	EUR 1 =	SGD 1.5915	SGD 1.5724	SGD 1.5616	SGD 1.5618
<b>Sint Maarten (southern part)</b>							
Philipsburg 479	Netherlands Antillean guilder = 100 cents	<sup>3</sup> B	USD 1 =	ANG 1.78	ANG 1.78	ANG 1.78	ANG 1.78
		<sup>3</sup> S	USD 1 =	ANG 1.82	ANG 1.82	ANG 1.82	ANG 1.82
	ANG	B	EUR 100 =	ANG 210.14	ANG 202.15	ANG 202.63	ANG 204.14
		S	EUR 100 =	ANG 214.38	ANG 206.22	ANG 206.71	ANG 208.26
<b>Slovakia</b>							
Bratislava 063	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Slovenia</b>							
Ljubljana 091	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Solomon Islands</b>							
Honiara 806	Solomon Islands dollar = 100 cents SBD	M	SBD 1 =	USD 0.1255	USD 0.1230	USD 0.1240	USD 0.1230
		M	SBD 1 =	EUR 0.10644	EUR 0.10830	EUR 0.10900	EUR 0.10766

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

#### IV. Overview of world currencies \*

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

Country 1 Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<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 13.1043	ZAR 14.6088	ZAR 13.5513	ZAR 14.2013
		S	USD 1 =	ZAR 13.4218	ZAR 14.9263	ZAR 13.8688	ZAR 14.5188
	ZAR	B	EUR 1 =	ZAR 15.3622	ZAR 16.5126	ZAR 15.3676	ZAR 16.2263
		S	EUR 1 =	ZAR 15.8001	ZAR 16.9437	ZAR 15.8018	ZAR 16.6616
<b>South Sudan</b>							
Juba 225	South Sudanese pound = 100 piastres	M	USD 1 =	SSP 142.3526	SSP 150.0031	SSP 151.8389	SSP 154.0253
		M	EUR 1 =	SSP 167.7415	SSP 171.1687	SSP 172.7396	SSP 176.3745
SSP							
<b>Spain</b>							
Madrid 011	Euro = 100 cent EUR	M	EUR 1 =	USD 1.1810	USD 1.1318	USD 1.1359	USD 1.1450
<b>Sri Lanka</b>							
Colombo 669	Sri Lanka rupee = 100 cents	B	USD 1 =	LKR 161.0435	LKR 172.3605	LKR 177.4980	LKR 180.7202
		S	USD 1 =	LKR 164.6315	LKR 176.2547	LKR 181.4620	LKR 184.6966
	LKR	B	EUR 1 =	LKR 188.8604	LKR 194.2662	LKR 200.9307	LKR 205.4534
		S	EUR 1 =	LKR 195.5350	LKR 201.2831	LKR 208.1062	LKR 212.6861
<b>Sudan</b>							
Khartoum 224	Sudanese pound = 100 piastres	B	USD 1 =	SDG 25.3413	SDG 47.5000	SDG 47.5000	SDG 47.5000
		S	USD 1 =	SDG 25.4681	SDG 47.7375	SDG 47.7375	SDG 47.7375
	SDG	B	EUR 1 =	SDG 29.5831	SDG 53.8717	SDG 54.0954	SDG 54.2792
		S	EUR 1 =	SDG 29.7310	SDG 54.1410	SDG 54.3659	SDG 54.5506
<b>Suriname</b>							
Paramaribo 492	Suriname dollar = 100 cents	B	USD 1 =	SRD 7.401	SRD 7.396	SRD 7.396	SRD 7.396
		S	USD 1 =	SRD 7.525	SRD 7.520	SRD 7.520	SRD 7.520
	SRD	B	EUR 1 =	SRD 8.729	SRD 8.401	SRD 8.412	SRD 8.461
		S	EUR 1 =	SRD 8.866	SRD 8.532	SRD 8.543	SRD 8.593
<b>Sweden</b>							
Stockholm 030	Swedish krona = 100 öre	B	USD 1 =	SEK 8.6396	SEK 9.1123	SEK 9.0363	SEK 8.9185
		S	USD 1 =	SEK 8.7446	SEK 9.2173	SEK 9.1413	SEK 9.0235
	SEK	B	EUR 1 =	SEK 10.2389	SEK 10.3464	SEK 10.2856	SEK 10.2178
		S	EUR 1 =	SEK 10.3539	SEK 10.4614	SEK 10.4006	SEK 10.3328

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Switzerland</b>							
Berne 039	Swiss franc = 100 rappen/centimes CHF	B	USD 1 =	CHF 0.9783	CHF 1.0059	CHF 0.9960	CHF 0.9850
		B	EUR 1 =	CHF 1.1520	CHF 1.1403	CHF 1.1327	CHF 1.1265
<b>Syrian Arab Republic</b>							
Damascus 608	Syrian pound = 100 piastres SYP	B	USD 1 =	SYP 434.00	SYP 434.00	SYP 434.00	SYP 434.00
		S	USD 1 =	SYP 438.30	SYP 438.34	SYP 438.34	SYP 438.34
		B	EUR 1 =	SYP 513.32	SYP 494.41	SYP 492.11	SYP 495.95
		S	EUR 1 =	SYP 518.41	SYP 499.36	SYP 497.03	SYP 500.91
<b>Tajikistan</b>							
Dushanbe 082	Somoni = 100 diram TJS	M	USD 1 =	TJS 9.1637	TJS 9.4224	TJS 9.4204	TJS 9.4296
		M	EUR 1 =	TJS 10.8116	TJS 10.7189	TJS 10.7166	TJS 10.8007
<b>Tanzania, United Republic of</b>							
Dodoma Seat of Government: Dar es Salaam 352	Tanzania shilling = 100 cents TZS	B	USD 1 =	TZS 2,254.6073	TZS 2,268.1386	TZS 2,267.4356	TZS 2,269.8812
		S	USD 1 =	TZS 2,277.1533	TZS 2,290.8200	TZS 2,290.1100	TZS 2,292.5800
		B	EUR 1 =	TZS 2,661.7781	TZS 2,579.3272	TZS 2,579.8883	TZS 2,601.5108
		S	EUR 1 =	TZS 2,689.1558	TZS 2,605.8078	TZS 2,606.6032	TZS 2,628.6722
<b>Thailand</b>							
Bangkok 680	Thai baht = 100 satang THB	B	USD 1 =	THB 32.1291	THB 33.0986	THB 32.7537	THB 32.2848
		S	USD 1 =	THB 32.4704	THB 33.4442	THB 33.0818	THB 32.6148
		B	EUR 1 =	THB 37.7262	THB 37.3472	THB 37.1154	THB 36.7620
		S	EUR 1 =	THB 38.4623	THB 38.1104	THB 37.8373	THB 37.4884
<b>Togo <sup>1</sup></b>							
Lomé 280	CFA franc XOF	V	USD 1 =	XOF 555.425	XOF 579.570	XOF 577.478	XOF 572.888
		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 0.4462	USD 0.4374	USD 0.4447	USD 0.4398
		M	TOP 1 =	EUR 0.3777	EUR 0.3847	EUR 0.3900	EUR 0.3831
<b>Trinidad and Tobago</b>							
Port-of-Spain 472	Trinidad and Tobago dollar = 100 cents TTD	B	USD 1 =	TTD 6.7317	TTD 6.7310	TTD 6.7464	TTD 6.7623
		S	USD 1 =	TTD 6.7630	TTD 6.7552	TTD 6.7679	TTD 6.7986
		B	EUR 1 =	TTD 7.8811	TTD 7.7741	TTD 7.5933	TTD 7.6371
		S	EUR 1 =	TTD 8.4568	TTD 8.0845	TTD 8.2013	TTD 8.1765

Source: Central bank or a commercial bank of the country concerned. \* See Explanatory notes, p. 53. <sup>1</sup> See Explanatory notes on individual countries, pp. 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 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Tunisia</b>							
Tunis 212	Tunisian dinar = 1,000 millimes	B	USD 1 =	TND 2.6373	TND 2.8822	TND 2.9377	TND 2.9944
		S	USD 1 =	TND 2.6400	TND 2.8850	TND 2.9407	TND 2.9974
	TND	B	EUR 1 =	TND 3.1069	TND 3.2629	TND 3.3395	TND 3.4272
		S	EUR 1 =	TND 3.1100	TND 3.2662	TND 3.3428	TND 3.4307
<b>Turkey</b>							
Ankara 052	Turkish lira = 100 kuruş	B	USD 1 =	TRY 4.8094	TRY 5.5203	TRY 5.1649	TRY 5.2609
		S	USD 1 =	TRY 4.8180	TRY 5.5303	TRY 5.1742	TRY 5.2704
	TRY	B	EUR 1 =	TRY 5.6804	TRY 6.2734	TRY 5.8737	TRY 6.0280
		S	EUR 1 =	TRY 5.6906	TRY 6.2847	TRY 5.8843	TRY 6.0388
<b>Turkmenistan <sup>1</sup></b>							
Ashgabat 080	Turkmen manat = 100 tenge	2	USD 1 =	TMT 3.50	TMT 3.50	TMT 3.50	TMT 3.50
		M	EUR 1 =	TMT 4.1619	TMT 3.9799	TMT 3.9795	TMT 4.0075
<b>Uganda</b>							
Kampala 350	Uganda shilling	B	USD 1 =	UGX 3,728.14	UGX 3,755.29	UGX 3,723.21	UGX 3,710.25
		S	USD 1 =	UGX 3,738.14	UGX 3,765.29	UGX 3,733.21	UGX 3,720.25
	UGX	B	EUR 1 =	UGX 4,393.75	UGX 4,277.10	UGX 4,198.48	UGX 4,230.13
		S	EUR 1 =	UGX 4,405.54	UGX 4,288.49	UGX 4,209.75	UGX 4,241.53
<b>Ukraine</b>							
Kyiv 072	Hryvnia = 100 kopiyok	M	USD 100 =	UAH 2,721.1273	UAH 2,816.4437	UAH 2,839.0932	UAH 2,768.8264
		M	EUR 100 =	UAH 3,212.2821	UAH 3,202.8598	UAH 3,232.8754	UAH 3,171.4138
<b>United Arab Emirates <sup>1</sup></b>							
Abu Dhabi 647	United Arab Emirates dirham = 100 fils	2	USD 1 =	AED 3.6725	AED 3.6725	AED 3.6725	AED 3.6725
		V, M	EUR 1 =	AED 4.3310	AED 4.1565	AED 4.1716	AED 4.2050
<b>United Kingdom <sup>1</sup></b>							
London 006	Pound sterling = 100 pence	M	GBP 1 =	USD 1.3350	USD 1.2779	USD 1.2760	USD 1.2769
		M	EUR 1 =	GBP 0.8854	GBP 0.8868	GBP 0.8876	GBP 0.8969
<b>United States</b>							
Washington 400	US dollar = 100 cents	M	EUR 1 =	USD 1.17793	USD 1.1310	USD 1.1315	USD 1.1465
		M	GBP 1 =	USD 1.33458	USD 1.2765	USD 1.2751	USD 1.2761

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

#### IV. Overview of world currencies \*

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

Country <sup>1</sup> Capital Country code	Currency ISO currency code	Type of rate	Unit	Annual average 2018	Rate at end of month		
					October 2018	November 2018	December 2018
<b>Uruguay</b>							
Montevideo 524	Uruguayan peso = 100 centésimos UYU	M	USD 1 =	UYU 30.739	UYU 32.827	UYU 32.181	UYU 32.390
		M	EUR 1 =	UYU 36.2340	UYU 37.1585	UYU 36.4160	UYU 37.0444
<b>Uzbekistan</b>							
Tashkent 081	Uzbekistan sum = 100 tiyin UZS	M	USD 1 =	UZS 8,070.28	UZS 8,236.87	UZS 8,299.20	UZS 8,339.55
		M	EUR 1 =	UZS 9,528.90	UZS 9,390.86	UZS 9,411.29	UZS 9,479.57
<b>Vanuatu</b>							
Port Vila 816	Vatu VUV	B	USD 1 =	VUV 108.58	VUV 111.64	VUV 109.57	VUV 111.61
		S	USD 1 =	VUV 115.41	VUV 119.06	VUV 116.87	VUV 119.03
		B	EUR 1 =	VUV 128.83	VUV 127.71	VUV 125.90	VUV 128.76
		S	EUR 1 =	VUV 134.09	VUV 133.00	VUV 131.13	VUV 134.09
<b>Venezuela, Bolivarian Republic of <sup>1</sup></b>							
Caracas 484	Bolívar Soberano = 100 céntimos VES	B	USD 1 =	.	<sup>2</sup> VES 64.57815	VES 151.26090 <sup>1</sup>	VES 636.58455 <sup>1</sup>
		S	USD 1 =	.	<sup>2</sup> VES 64.74000	VES 151.64000 <sup>1</sup>	VES 638.18000 <sup>1</sup>
		B	EUR 1 =	.	<sup>2</sup> VES 73.16704	VES 171.21221 <sup>1</sup>	VES 727.99809 <sup>1</sup>
		S	EUR 1 =	.	<sup>2</sup> VES 73.35689	VES 171.67164 <sup>1</sup>	VES 730.01410 <sup>1</sup>
<b>Viet Nam</b>							
Hanoi 690	Dong = 10 hào = 100 xu VND	B	USD 1 =	VND 23,007	VND 23,300	VND 23,275	VND 23,155
		S	USD 1 =	VND 23,085	VND 23,390	VND 23,365	VND 23,245
		B	EUR 1 =	VND 27,033.98	VND 26,338.37	VND 26,419.25	VND 26,291.49
		S	EUR 1 =	VND 27,460.82	VND 27,154.08	VND 26,838.89	VND 27,183.80
<b>Yemen</b>							
Sana'a 653	Yemeni rial = 100 fils YER	B	USD 1 =	YER 250.00	YER 250.00	YER 250.00	YER 250.00
		S	USD 1 =	YER 250.50	YER 250.50	YER 250.50	YER 250.50
		B	EUR 1 =	YER 294.43	YER 283.48	YER 284.70	YER 285.64
		S	EUR 1 =	YER 295.02	YER 284.04	YER 285.27	YER 286.21
<b>Zambia</b>							
Lusaka 378	Kwacha = 100 ngwee ZMW	B	USD 1 =	ZMW 10.5868	ZMW 11.7811	ZMW 11.9215	ZMW 11.8998
		S	USD 1 =	ZMW 10.6368	ZMW 11.8311	ZMW 11.9715	ZMW 11.9498
		B	EUR 1 =	ZMW 12.4529	ZMW 13.3338	ZMW 13.5499	ZMW 13.6241
		S	EUR 1 =	ZMW 12.5160	ZMW 13.3975	ZMW 13.6104	ZMW 13.6861

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

<sup>2</sup> Calculation not meaningful due to multiple episodes of sharp depreciation.

#### IV. Overview of world currencies \*

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

As of end-December 2018

Country or territory (country code)	Currency	Country or territory (country code)	Currency
Åland Islands	Euro	Madeira (010)	Euro
Alhucemas	Euro	Marie-Galante (001)	Euro
American Samoa (830)	US dollar	Marshall Islands (824)	US dollar
Andaman Islands	Indian rupee	Martinique (001)	Euro
Andorra <sup>1</sup> (043)	Euro	Mayotte (377)	Euro
Anguilla (446)	East Caribbean dollar	Melilla (023)	Euro
Azores (010)	Euro	Micronesia, Federated States of (823)	US dollar
		Monaco <sup>1</sup> (001)	Euro
		Montenegro (097)	Euro
		Montserrat (470)	East Caribbean dollar
Baker Island (832)	US dollar	Mooréa	CFP franc
Balearics	Euro		
Bali	Indonesian rupiah		
Bonaire (475)	US dollar	Nauru (803)	Australian dollar
Bora-Bora	CFP franc	Newfoundland	Canadian dollar
Borneo (northern part) (701)	Malaysian ringgit	Nicobar Islands	Indian rupee
Borneo (southern part) (700)	Indonesian rupiah	Niue (838)	New Zealand dollar
British Virgin Islands (468)	US dollar	Norfolk Island (836)	Australian dollar
		Northern Mariana Islands (820)	US dollar
Canary Islands (011)	Euro		
Ceuta (021)	Euro	Palau (825)	US dollar
Chafarinas (Islands)	Euro	Pescadores	New Taiwan dollar
Christmas Island (834)	Australian dollar	Pitcairn Islands Group (813)	New Zealand dollar
Cocos Islands (833)	Australian dollar	Puerto Rico (400)	US dollar
Désirade (001)	Euro		
		Réunion (001)	Euro
Easter Island	Chilean peso		
Ecuador <sup>1</sup> (500)	US dollar	Saba (475)	US dollar
		San Marino <sup>1</sup> (047)	Euro
Faroe Islands <sup>1</sup> (041)	Danish krone	Spitzbergen/Spitsbergen (028)	Norwegian krone
(French) Guiana (001)	Euro	St Barthélemy (001)	Euro
French Polynesia (822)	CFP franc	St Eustatius (475)	US dollar
		St Martin (northern part) (001)	Euro
		St Pierre and Miquelon (408)	Euro
		Sumatra	Indonesian rupiah
Galapagos Islands (500)	US dollar	Swan Islands (424)	Honduran lempira
Gozo (Island of)	Euro		
Greenland (406)	Danish krone	Tahiti (822)	CFP franc
Guadeloupe (001)	Euro	Tibet (720)	Chinese renminbi
Guam (831)	US dollar	Timor-Leste <sup>1</sup> (626)	US dollar
Guernsey <sup>1</sup> (107)	Pound sterling	Tokelau (839)	New Zealand dollar/Samoan tala
		Turks and Caicos Islands <sup>1</sup> (454)	US dollar
Howland Island (832)	US dollar	Tuvalu <sup>1</sup> (807)	Australian dollar
Isle of Man <sup>1</sup> (109)	Pound sterling		
		Vatican City <sup>1</sup> (045)	Euro
Jarvis Island (832)	US dollar	Virgin Islands of the United States (457)	US dollar
Java	Indonesian rupiah		
Jersey <sup>1</sup> (108)	Pound sterling		
		Wallis and Futuna (Islands) (811)	CFP franc
Kiribati <sup>1</sup> (812)	Australian dollar	Western Sahara (203)	Moroccan dirham
Kosovo (095)	Euro Serbian dinar		
		Zanzibar (Island) (352)	Tanzania shilling
Laccadive Islands	Indian rupee	Zimbabwe (382)	US dollar <sup>2</sup>
Les Saintes Islands (001)	Euro		
Liechtenstein (037)	Swiss franc		

Sources: Central banks and The Statesman's Yearbook. \* See Explanatory notes, p. 53. <sup>1</sup> Local currency is also in use. <sup>2</sup> Principal currency; alongside the US dollar the following currencies were named as "official means of payment": South African rand,

euro, pound sterling, Botswana pula (since 2 February 2009); Japanese yen, Chinese renminbi, Indian rupee, Australian dollar (since January 2014). In addition, promissory notes have been in circulation as a parallel currency since the end of November 2016.

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

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

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
1999	1.37251	1.36467	11.3508	140.111	0.848150	1.98094	2.19297	10.1549	11.0218	11.6873
2000	1.30291	1.40022	10.7847	149.704	0.873149	1.95462	2.13221	10.4500	11.5288	12.4232
2001	1.25673	1.42474	10.3925	165.491	0.866469	2.00147	2.10605	10.5685	11.3251	13.3943
2002	1.35952	1.29639	11.2123	162.414	0.843483	2.14750	1.88539	9.62844	9.47006	11.9542
2003	1.48597	1.17654	12.2989	158.575	0.832619	1.92047	1.83800	8.82099	9.91886	10.7715
2004	1.55301	1.14016	12.8107	161.161	0.804085	1.86920	1.75738	8.46296	9.37796	10.2351
2005	1.42927	1.21155	11.5345	168.610	0.830055	1.66418	1.87848	9.03881	9.67427	11.3363
2006	1.50440	1.14229	11.7474	178.948	0.766377	1.75308	1.83582	8.51702	9.41017	10.3390
2007	1.58025	1.07346	11.5302	179.947	0.788780	1.56144	1.77857	8.02021	8.55074	10.2088
2008	1.54027	1.10675	10.5271	140.464	1.056570	1.88621	1.63839	8.18003	10.7802	12.0833
2009	1.56769	1.08822	10.7045	143.797	0.968007	1.64075	1.61551	8.10688	9.05608	11.3070
2010	1.54003	1.15966	10.1995	125.436	0.997755	1.54142	1.44702	8.64469	9.06742	10.4761
2011	1.53527	1.18654	9.67352	119.321	0.992989	1.56254	1.44453	8.82099	9.20039	10.6293
2012	1.53692	1.16583	9.66660	133.020	0.953662	1.52954	1.40874	8.69762	8.55432	10.0140
2013	1.54000	1.11732	9.39770	162.162	0.935148	1.63856	1.37291	8.33556	9.41398	10.0229
2014	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.7693	11.3176
2015	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768
2014 Oct.	1.47833	1.18040	9.08595	163.459	0.923728	1.66681	1.41757	8.78735	10.0216	10.8662
Nov.	1.46424	1.17374	8.98368	172.546	0.929973	1.64522	1.41446	8.73218	9.98841	10.8774
Dec.	1.44881	1.19332	8.86525	174.733	0.928247	1.68076	1.43301	8.86611	10.7693	11.3176
2015 Jan.	1.40980	1.24706	8.65194	166.667	0.934763	1.79285	1.30223	9.28315	11.0159	11.6534
Feb.	1.40739	1.25213	8.65194	167.846	0.912176	1.76037	1.33534	9.34833	10.7357	11.7788
Mar.	1.37949	1.28217	8.47314	165.691	0.932088	1.74961	1.34197	9.57735	11.1594	11.8956
Apr.	1.40642	1.25405	8.59838	166.674	0.911718	1.70444	1.31598	9.35918	10.5145	11.6984
May	1.39050	1.26755	8.50933	172.075	0.911926	1.73326	1.30944	9.45555	10.8198	11.7894
June	1.40639	1.25694	8.59816	172.213	0.894767	1.75433	1.30823	9.37726	11.0497	11.5871
July	1.39470	1.27172	8.53170	172.901	0.895528	1.81966	1.34212	9.48902	11.4474	12.0354
Aug.	1.40380	1.25172	8.96933	170.141	0.914997	1.85624	1.35382	9.34143	11.7142	11.8760
Sep.	1.40374	1.25300	8.92961	168.378	0.923574	1.88016	1.36640	9.34719	11.9341	11.7748
Oct.	1.39687	1.26793	8.86942	168.840	0.910075	1.82753	1.38137	9.45600	11.9096	11.8987
Nov.	1.37217	1.29707	8.77855	168.502	0.914411	1.82951	1.41484	9.67661	11.9245	11.9797
Dec.	1.38573	1.27283	8.99548	167.116	0.935104	1.91785	1.37478	9.47221	12.2069	11.5742
2016 Jan.	1.38050	1.26419	9.07853	167.040	0.965111	1.94374	1.40783	9.43450	11.9902	11.7571
Feb.	1.38131	1.26866	9.04429	156.641	0.997049	1.86795	1.38394	9.46450	12.0578	11.7931
Mar.	1.40882	1.23744	9.11129	158.675	0.978139	1.82738	1.35529	9.22041	11.6498	11.4779
Apr.	1.41733	1.24294	9.19084	158.372	0.969847	1.77861	1.36390	9.25249	11.4537	11.3943
May	1.40288	1.25774	9.23753	155.846	0.959693	1.83777	1.38913	9.35454	11.7220	11.6901
June	1.39884	1.25999	9.29463	143.941	1.03710	1.81976	1.36527	9.37348	11.7190	11.8640
July	1.39338	1.25383	9.27042	144.912	1.05743	1.81711	1.35799	9.32523	11.9229	12.0072
Aug.	1.39434	1.25255	9.31255	143.561	1.06131	1.82993	1.37245	9.32297	11.6193	11.9107
Sep.	1.39581	1.25062	9.31064	141.089	1.07693	1.83089	1.35980	9.31871	11.2387	12.0301
Oct.	1.37385	1.25511	9.30085	143.979	1.12879	1.84137	1.35874	9.33724	11.3393	12.3613
Nov.	1.35376	1.27293	9.32175	152.149	1.08718	1.81756	1.37312	9.47104	11.4806	12.4014
Dec.	1.34433	1.27534	9.34283	157.018	1.09278	1.80503	1.36826	9.48128	11.5881	12.2295
2017 Jan.	1.35883	1.26344	9.34798	154.363	1.09042	1.77055	1.34918	9.39655	11.2295	11.9779
Feb.	1.35389	1.27762	9.30016	152.381	1.08834	1.79364	1.36080	9.49677	11.3315	12.2395
Mar.	1.35685	1.26915	9.35008	152.035	1.08962	1.80596	1.35820	9.43984	11.6359	12.1213
Apr.	1.37102	1.25437	9.45689	152.526	1.05940	1.87309	1.35759	9.33036	11.6961	12.1179
May	1.38432	1.23369	9.45340	153.590	1.07826	1.86883	1.34417	9.17835	11.6445	12.0657
June	1.39139	1.21923	9.43637	155.752	1.07207	1.80560	1.33406	9.06701	11.6696	11.7837
July	1.40775	1.20043	9.46925	155.627	1.07265	1.75757	1.36692	8.92698	11.1701	11.4494
Aug.	1.41339	1.19526	9.32227	156.179	1.09769	1.77182	1.36463	8.89079	11.0907	11.2683
Sep.	1.41330	1.19710	9.39576	159.222	1.05596	1.76379	1.37005	8.90916	11.2676	11.4598
Oct.	1.40469	1.20698	9.31099	158.940	1.06263	1.81106	1.40216	8.98142	11.4951	11.7369
Nov.	1.41542	1.19455	9.35209	158.527	1.05279	1.82419	1.39631	8.88936	11.7541	11.8326
Dec.	1.42413	1.18747	9.27343	160.785	1.05402	1.78837	1.38967	8.84056	11.6850	11.7238
2018 Jan.	1.45712	1.16972	9.17406	158.593	1.02897	1.79124	1.35950	8.70496	11.1849	11.4288
Feb.	1.44589	1.18379	9.15466	155.173	1.04457	1.85204	1.36405	8.81516	11.3826	11.9372
Mar.	1.45386	1.17983	9.12359	154.386	1.03379	1.87436	1.39087	8.76017	11.3360	12.1521
Apr.	1.43806	1.19055	9.11835	157.195	1.04777	1.84590	1.42282	8.86965	11.5031	12.4786
May	1.41665	1.21092	9.06939	153.933	1.06307	1.83428	1.39710	9.01356	11.5491	12.4505
June	1.40657	1.20653	9.31828	155.356	1.07049	1.85217	1.39764	8.99167	11.4759	12.6027
July	1.40487	1.19706	9.59647	155.898	1.06728	1.82872	1.38822	8.91798	11.4126	12.2955
Aug.	1.40139	1.20280	9.57341	155.554	1.07754	1.82016	1.35409	8.96789	11.6851	12.7588
Sep.	1.39525	1.20530	9.60126	158.319	1.06990	1.82898	1.36232	8.98723	11.4099	12.3582
Oct.	1.38213	1.22118	9.63577	156.512	1.08198	1.81639	1.38945	9.11170	11.6657	12.6669
Nov.	1.38323	1.21773	9.60412	156.899	1.08446	1.83983	1.38053	9.08694	11.8607	12.5719
Dec.	1.39079	1.21424	9.53107	154.141	1.09550	1.89153	1.36451	9.06709	12.1106	12.4768

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

2. Daily rates

SDR 1 = CU ...

Period	US dollar USD	Euro EUR	Chinese yuan renminbi CNY	Japanese yen JPY	Pound sterling GBP	Canadian dollar CAD	Swiss franc CHF	Danish krone DKK	Norwegian krone NOK	Swedish krona SEK
2018 Oct. 1	1.39578	1.20264	.	158.979	1.07046	1.78702	1.37170	8.96652	11.3607	12.4372
2	1.39155	1.20554	.	158.553	1.07481	1.78355	1.37005	8.98860	11.3794	12.5089
3	1.39322	1.20646	.	158.269	1.07327	1.78778	1.37539	8.99612	11.3942	12.5108
4	1.39031	1.20876	.	159.052	1.07091	1.79350	1.37842	9.01339	11.4400	12.5745
5	1.39118	1.20909	.	158.720	1.06706	.	1.38256	9.01843	11.5024	12.6148
9	1.38940	1.21504	9.62010	157.002	1.06459	1.80136	1.38176	9.06323	11.5326	12.6617
10	1.39242	1.21080	9.63419	157.400	1.05783	1.80904	1.38101	9.03269	11.4382	12.6647
11	1.39648	1.20646	9.67511	156.615	1.05738	1.82073	1.37916	9.00058	11.4690	12.6239
12	1.39726	1.20724	9.66230	156.716	1.05697	1.82076	1.38524	9.00633	11.4296	12.5052
15	1.39785	1.20702	9.68364	156.545	1.06107	1.81623	1.37730	9.00552	11.4182	12.5549
16	1.39725	1.20587	9.66744	156.296	1.05704	1.80776	1.38041	8.99685	11.3590	12.4766
17	1.39483	1.20974	9.66230	156.765	1.06216	1.81244	1.38500	9.02511	11.4070	12.4335
18	1.39315	1.21091	9.66529	156.744	1.06113	1.81904	1.38250	9.03416	11.4549	12.5041
19	1.39030	1.21212	9.63893	156.159	1.06696	1.82185	1.38481	9.04306	11.4568	12.5497
22	1.39121	1.21038	9.64860	156.441	1.06794	1.82318	1.38731	9.02975	11.4608	12.4584
23	1.39004	1.21104	9.64618	156.727	1.07037	1.82067	1.38413	9.03481	11.5113	12.5313
24	1.38690	1.21776	9.62306	155.943	1.07362	1.80700	1.38254	9.08488	11.5526	12.5441
25	1.38668	1.21468	9.63475	155.239	1.07536	1.81322	1.38557	9.06281	11.5271	12.6554
26	1.38371	1.21966	9.60025	155.542	1.08178	1.81376	1.38474	9.09951	11.6062	12.6202
29	1.38549	1.21737	9.63326	155.105	1.08013	1.81762	1.38479	9.08323	11.5809	12.6674
30	1.38216	1.21541	9.62399	155.507	1.08482	1.81519	1.38576	9.06865	11.5992	12.6308
31	1.38213	1.22118	9.63577	156.512	1.08198	1.81639	1.38945	9.11170	11.6657	12.6669
Nov. 1	1.38614	1.21666	9.63828	156.481	1.07324	1.81418	1.39030	9.07672	11.5765	12.5677
2	1.39073	1.21812	9.59113	157.222	1.06807	1.82255	1.38676	9.08760	11.5896	12.5184
5	1.38602	1.21902	9.60163	156.897	1.06588	1.81513	1.39475	9.09339	11.6099	12.5612
6	1.38820	1.21474	9.61178	157.255	1.06229	1.82271	1.39396	9.06109	11.5944	12.5724
7	1.39230	1.21206	9.64832	158.165	1.05798	1.82335	1.38666	9.04175	11.5544	12.5360
8	1.38801	1.21499	9.61659	157.706	1.05923	1.82024	1.39238	9.06339	11.5520	12.4618
9	1.38462	1.22036	9.61825	157.708	1.06296	1.82852	1.39278	9.10316	11.6443	12.5518
12	1.37923	1.22435	9.60439	157.357	1.07179	.	1.39247	9.13325	11.6777	12.6069
13	1.37942	1.22495	9.58975	156.840	1.06758	1.82649	1.39266	9.13977	11.7060	12.5798
14	1.38052	1.22213	9.59435	157.268	1.06731	1.82711	1.39404	9.11968	11.7312	12.5674
15	1.38167	1.22218	9.58561	156.972	1.07829	1.82408	1.38927	9.12018	11.7363	12.4956
16	1.38232	1.21834	9.60753	156.756	1.07868	1.81831	1.39283	9.09099	11.7104	12.4991
19	1.38666	1.21350	9.62251	156.374	1.08236	1.82790	1.38112	9.05576	11.7094	12.4791
20	1.38745	1.21482	9.63224	156.088	1.07998	1.83962	1.37732	9.06585	11.8001	12.4823
21	1.38559	1.21447	9.61945	156.419	1.08190	1.83867	1.37720	9.06199	11.8156	12.5653
26	1.38442	1.21836	9.60513	156.786	1.07679	1.83159	1.37965	9.09041	11.8534	12.5144
27	1.38109	1.21918	9.59914	156.754	1.08363	1.83533	1.38019	9.09728	11.8656	12.5787
28	1.37967	1.22267	9.59748	157.006	1.07786	1.83523	1.37842	9.12301	11.8704	12.5757
29	1.38331	1.21481	9.60615	156.687	1.08350	1.83634	1.37722	9.06520	11.8223	12.4889
30	1.38323	1.21773	9.60412	156.899	1.08446	1.83983	1.38053	9.08694	11.8607	12.5719
Dec. 3	1.38250	1.22000	9.52599	156.914	1.08662	1.82366	1.38119	9.10390	11.8209	12.5004
4	1.38752	1.21617	9.49785	157.609	1.08316	1.83417	1.38093	9.07581	11.7328	12.4616
5	1.38513	1.21995	9.51321	156.520	1.08438	.	.	.	.	.
6	1.38357	1.21890	9.52118	156.066	1.08549	1.85453	1.37990	9.09719	11.8267	12.4513
7	1.38556	1.21850	9.53643	156.222	1.08501	1.84266	1.37524	9.09513	11.8158	12.4580
10	1.38546	1.21265	9.56938	155.961	1.09449	1.85361	1.37036	9.05117	11.7488	12.5148
11	1.38413	1.21639	9.55064	156.490	1.09808	1.85502	1.36683	9.07927	11.8036	12.5390
12	1.38127	1.21741	9.51420	156.775	1.10088	1.84345	1.37492	9.08686	11.8411	12.5840
13	1.38413	1.21724	9.50588	157.029	1.09382	1.84905	1.37284	9.08637	11.8545	12.5341
14	1.37899	1.22197	9.50787	156.626	1.09827	1.84495	1.37561	9.12267	11.8818	12.5261
17	1.38269	1.21920	9.54044	156.908	1.09377	1.85266	1.37432	9.10241	11.9283	12.5404
18	1.38583	1.21810	9.56032	155.906	1.09172	1.86450	1.37315	9.09620	12.0392	12.5474
19	1.38567	1.21497	9.55740	155.750	1.09544	1.86373	1.37695	9.07301	12.0738	12.5327
20	1.38917	1.21315	9.58571	156.310	1.09500	1.87469	1.37223	9.05879	12.0065	12.5140
21	1.38737	1.21550	9.56965	154.331	1.09500	1.88211	1.37308	9.07614	12.0855	12.4290
26	1.38797	.	9.54435	153.288	1.09513	.	.	.	.	.
27	1.38665	1.21882	9.55475	154.057	1.09799	1.89153	1.37521	9.10117	12.1514	12.5753
28	1.39079	1.21424	9.53107	154.141	1.09550	.	1.36451	9.06709	12.1106	12.4768
2019 Jan. 2	1.39064	1.22018	9.53380	.	1.09841	1.89128	.	9.11095	12.0930	12.4146
3	1.38737	1.22257	9.53734	.	1.10494	1.87308	1.37280	9.12959	12.1173	12.4962
4	1.39074	1.21962	9.54700	149.685	1.09801	1.86498	1.37280	9.10805	12.0314	12.5018
7	1.39284	1.21698	9.54062	151.109	1.09208	1.85428	1.36756	9.08785	11.9287	12.4511
8	1.39351	1.21811	9.55950	151.531	1.09077	1.85240	1.36488	9.09480	11.9070	12.4074
9	1.39307	1.21612	9.52200	151.705	1.09406	1.84177	1.36632	9.07977	11.8776	12.4071

Source: IMF, Washington. \* See Explanatory notes, pp. 53-54. 1 ISO currency code: XDR.

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

As of end-April 2017

Exchange rate arrangement	Monetary policy framework						
	Exchange rate target				Monetary aggregate target	Inflation-targeting framework	Other <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	Kosovo Montenegro San Marino		Kiribati Nauru <sup>2</sup> Tuvalu			
<b>Currency board</b>	Djibouti Hong Kong  <b>ECCU <sup>3</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 Turkmenistan United Arab Emirates	Cabo Verde Comoros Denmark <sup>5</sup> Sao Tome and Principe  <b>WAEMU <sup>6</sup></b> Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo  <b>CAEMC <sup>7</sup></b> Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon	Fiji Kuwait Libya Morocco	Bhutan Eswatini Lesotho Namibia Nepal			Samoa <sup>4</sup> Solomon Islands <sup>4</sup>
<b>Stabilised arrangement</b>	Angola Guyana Lebanon Maldives Trinidad and Tobago <sup>11,12</sup>	Croatia Macedonia, former Yugoslav Republic of	Singapore Viet Nam <sup>8</sup>		Bangladesh <sup>8</sup> Bolivia, Plurinational State of <sup>8</sup> China <sup>4,11,12</sup> Malawi <sup>8</sup> Nigeria <sup>8</sup> Papua New Guinea <sup>8</sup> Tajikistan <sup>8</sup> Tanzania, United Republic of <sup>8</sup> Yemen <sup>8</sup>	Czechia <sup>9</sup> Serbia <sup>9</sup>	Kenya <sup>8,10,11</sup> Lao People's Democratic Republic <sup>8</sup> Pakistan <sup>8,11</sup> Sudan <sup>8</sup>
<b>Crawling peg</b>	Honduras Nicaragua		Botswana				
<b>Crawl-like arrangement</b>			Iran, Islamic Republic of <sup>8</sup>		Burundi <sup>8</sup> Ethiopia <sup>8</sup> Rwanda <sup>8,11</sup> Uzbekistan <sup>8</sup>	Dominican Republic <sup>8</sup>	Costa Rica <sup>8,10</sup> Jamaica <sup>8,10</sup> Mauritania <sup>8,11</sup> Sri Lanka <sup>8,10</sup>

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

As of end-April 2017

Exchange rate arrangement	Monetary policy framework					Monetary aggregate target	Inflation-targeting framework	Other <sup>1</sup>
	Exchange rate target				Other			
	US dollar	Euro	Exchange rate anchor Composite	Other				
<b>Pegged exchange rate within horizontal bands</b>								Tonga <sup>4</sup>
<b>Other managed arrangement</b>	Cambodia Liberia Zimbabwe		Syrian Arab Republic			Algeria Belarus Congo, Democratic Republic of the <sup>8</sup> Gambia Guinea Myanmar Sierra Leone <sup>11</sup> Suriname		Azerbaijan Haiti Kyrgyzstan South Sudan Vanuatu Venezuela, Bolivarian Republic of
<b>Floating</b>						Afghanistan Madagascar Seychelles	Albania Argentina Armenia Brazil Colombia Georgia Ghana Guatemala Hungary Iceland India Indonesia Israel Kazakhstan Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Romania South Africa Thailand Turkey Uganda Ukraine Uruguay	Egypt Malaysia Mauritius Mongolia <sup>10</sup> Mozambique <sup>10</sup> Switzerland Tunisia <sup>10</sup> Zambia
<b>Free floating</b>							Australia Canada Chile Japan Mexico Norway Poland Russian Federation Sweden United Kingdom	Somalia <sup>13</sup> United States  <b>Euro area</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 2017, 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> IMF member since 12 April 2016. <sup>3</sup> The members participate in the Eastern Caribbean Currency Union. <sup>4</sup> The country maintains a de facto exchange rate anchor to a composite. <sup>5</sup> The member participates in ERM II. <sup>6</sup> The members participate in the West African Economic and Monetary Union. <sup>7</sup> The members participate in the Central African Economic and Monetary Community. <sup>8</sup> The

country maintains a de facto exchange rate anchor to the US dollar. <sup>9</sup> The country maintains a de facto exchange rate anchor to the euro. <sup>10</sup> The central bank has taken preliminary steps toward inflation targeting. <sup>11</sup> The exchange rate arrangement or monetary policy framework was reclassified retroactively, overriding a previously published classification. <sup>12</sup> The exchange rate arrangement was reclassified twice during this reporting period. <sup>13</sup> Currently the Central Bank of Somalia does not have a monetary policy framework.

## VII. ISO currency codes \*

As of end-December 2018

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

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







## ■ Explanatory notes

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

On 1 January 1999, 11 Member States of the European Union initially adopted the euro as their single currency. On 1 January 2001, Greece joined the euro area, followed by Slovenia on 1 January 2007, Cyprus and Malta on 1 January 2008, Slovakia on 1 January 2009, Estonia on 1 January 2011, Latvia on 1 January 2014 and Lithuania on 1 January 2015 (for details, see Table I. 1., p. 7).

Since the introduction of the euro, there has been no autonomous foreign exchange market for the currencies replaced by the euro; the euro alone is quoted against non-euro area currencies, such as the US dollar and the Japanese yen.

Since 4 January 1999, the ECB has published euro foreign exchange reference rates for selected currencies each working day. These rates are calculated on the basis of the daily concertation between central banks which takes place at 14:15 CET. Only one reference rate, i. e. the middle rate, is established by this procedure. The ECB changed the publication time of the euro foreign exchange reference rates from around 14:30 CET to around 16:00 CET with effect from 1 July 2016.

### ■ Effective exchange rates of the euro

The indices of the nominal effective exchange rates of the euro are designed to measure, in aggregated form, the impact of changes in exchange rates on price competitiveness in the euro area industrial sector. They are calculated by the ECB on the basis of weighted averages of the bilateral euro exchange rates against the currencies of selected trading partners of the euro area, with Q1 1999 = 100. An increase in the index rate indicates an appreciation of the euro and thus, taken in isolation, a decrease in the price competitiveness of the domestic economy. The weights are based on trade in manufactured goods (SITC 5-8) and also capture third-market effects.

The table entitled "Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro" on

p. 52 shows trading partners' membership of the EER-19 and EER-38 groups as well as their percentage weights. To prevent breaks in the time series, the indices of two consecutive weighting periods are chain-linked beyond the end of the first period. For information on the revision of trade weights carried out in August 2017, see the ECB's website ([www.ecb.europa.eu/stats/exchange/effective/html/index.en.html](http://www.ecb.europa.eu/stats/exchange/effective/html/index.en.html)).

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

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

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

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

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

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

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

## Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro<sup>o</sup>

Figures in %

As of August 2017

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

<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. <sup>1</sup> Selected calculation periods; for a comprehensive overview, see <https://www.bundesbank.de/en/statistics/external-sector/effective-exchange-rates-of-the-euro>

## ■ Overview of world currencies

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

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

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

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

## ■ Value of the special drawing right

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

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

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

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

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

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

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

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

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

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

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

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

## Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 2017 (see Table VI., pp. 46-47) is based on the IMF's "Annual Report on Exchange Arrangements and Exchange Restrictions 2017", which can be purchased from the IMF (<http://www.imfbookstore.org>).

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

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

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

The monetary policy frameworks listed are as follows.

### Exchange rate anchor

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

### Monetary aggregate target

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

### Inflation-targeting framework

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

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

**Other**

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





## Explanatory notes on individual countries

### Angola

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

### Bangladesh

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

### Benin

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

### Bhutan

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

### Brunei Darussalam

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

### Burkina Faso

See Explanatory notes on Benin.

### Cameroon

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

### Central African Republic

See Explanatory notes on Cameroon.

### Chad

See Explanatory notes on Cameroon.

### Congo

See Explanatory notes on Cameroon.

### Cook Islands

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

### Côte d'Ivoire

See Explanatory notes on Benin.

### Cuba

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

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

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

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

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

### El Salvador

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

## Equatorial Guinea

See Explanatory notes on Cameroon.

## Eswatini

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

## Gabon

See Explanatory notes on Cameroon.

## Greece

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

## Guinea-Bissau

See Explanatory notes on Benin.

## India

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

## Iran, Islamic Republic of

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

Central bank rate (see page 29)

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

NIMA rate (see <https://www.sanarate.ir/Default.aspx>)

For other, non-specified goods imports and services. Access to the electronic platform NIMA is possible only for certain importers as well as exchange bureaux.

Bureau de change rate

Used in addition to the regulated central bank and NIMA exchange rates, including for travelling abroad, tuition fees at foreign universities, medical treatment and legal fees abroad. At end-December 2018, this exchange rate

stood at approximately 114,000 rials to the US dollar and 130,500 rials to the euro.

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

## Iraq

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

## Kenya

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

## Lesotho

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

## Liberia

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

## Macao

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

## Mali

See Explanatory notes on Benin.

## Namibia

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

## New Caledonia

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

## Niger

See Explanatory notes on Benin.

## **Nigeria**

Alongside the official published reference exchange rates, there are bureau de change rates, which deviate. According to financial information providers, the exchange rate was more than 360 naira to the US dollar on 21 December 2018.

## **Panama**

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

## **Senegal**

See Explanatory notes on Benin.

## **Singapore**

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

## **Somalia**

No exchange rates are available for the Somali shilling.

## **Togo**

See Explanatory notes on Benin.

## **Turkmenistan**

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

## **United Arab Emirates**

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

## **United Kingdom**

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

## **Venezuela, Bolivarian Republic of**

The value of the bolívar soberano, which was only introduced in August 2018, has fallen very sharply during November and December 2018.

Calculated using the exchange rates as at the end of October and December 2018, the bolívar soberano experienced a devaluation of 89.9 % against the US dollar and 90.0 % against the euro (calculated on the basis of the middle rates).

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