

Exchange rate statistics October 2016

Statistical Supplement 5
to the Monthly Report

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Further statistical data, supplementing the Monthly Report, can be found in the following supplements.

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

Selected updated statistics are also available on the website.

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Abbreviations and symbols

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 | Data unknown, not to be published or not meaningful |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

Discrepancies in the totals are due to rounding.

I Euro area and exchange rate stability convergence criterion

1 Euro-area member states and irrevocable euro conversion rates in the third stage of European Economic and Monetary Union

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

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

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

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

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

to EMU on 1 January 2001. ³ Until 31 December 2010; accession to EMU on 1 January 2011. ⁴ Until 31 December 2014; accession to EMU on 1 January 2015. ⁵ Until 31 December 2006; accession to EMU on 1 January 2007. ⁶ Until 31 December 2007; accession to EMU on 1 January 2008. ⁷ Until 31 December 2013; accession to EMU on 1 January 2014. ⁸ Until 31 December 2008; accession to EMU on 1 January 2009.

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

1 Daily rates

EUR 1 = CU ...

| | | EU member countries | | | | | | |
|-----------|----|----------------------|-------------|---------------------|---------------------|-------------------------|---------------------|---------------------|
| | | Bulgaria | Croatia | Czech Republic | Denmark | Hungary | Poland | Romania |
| Period | | Bulgarian lev BGN | Kuna HRK | Czech koruna CZK | Danish krone DKK | Hungarian forint HUF | Polish zloty PLN | Romanian leu RON |
| 2016 July | 1 | 1.9558 | 7.5235 | 27.093 | 7.4380 | 316.52 | 4.3966 | 4.5157 |
| | 4 | 1.9558 | 7.5180 | 27.095 | 7.4410 | 316.93 | 4.4304 | 4.5133 |
| | 5 | 1.9558 | 7.5025 | 27.071 | 7.4399 | 316.33 | 4.4457 | 4.5185 |
| | 6 | 1.9558 | 7.4904 | 27.078 | 7.4411 | 316.60 | 4.4562 | 4.5185 |
| | 7 | 1.9558 | 7.4856 | 27.049 | 7.4411 | 315.52 | 4.4275 | 4.5144 |
| | 8 | 1.9558 | 7.4842 | 27.033 | 7.4412 | 314.08 | 4.4278 | 4.5132 |
| | 11 | 1.9558 | 7.4765 | 27.037 | 7.4372 | 313.07 | 4.4210 | 4.4938 |
| | 12 | 1.9558 | 7.4928 | 27.034 | 7.4378 | 313.94 | 4.4171 | 4.4942 |
| | 13 | 1.9558 | 7.4932 | 27.033 | 7.4378 | 313.39 | 4.4055 | 4.4914 |
| | 14 | 1.9558 | 7.5116 | 27.049 | 7.4378 | 313.64 | 4.4115 | 4.4903 |
| | 15 | 1.9558 | 7.5023 | 27.040 | 7.4375 | 314.95 | 4.4099 | 4.4802 |
| | 18 | 1.9558 | 7.4957 | 27.024 | 7.4387 | 315.01 | 4.3805 | 4.4686 |
| | 19 | 1.9558 | 7.4905 | 27.014 | 7.4389 | 314.73 | 4.3729 | 4.4772 |
| | 20 | 1.9558 | 7.4855 | 27.022 | 7.4384 | 315.05 | 4.3758 | 4.4741 |
| | 21 | 1.9558 | 7.4845 | 27.025 | 7.4390 | 314.61 | 4.3692 | 4.4686 |
| | 22 | 1.9558 | 7.4863 | 27.023 | 7.4390 | 313.34 | 4.3554 | 4.4609 |
| | 25 | 1.9558 | 7.4853 | 27.025 | 7.4393 | 312.64 | 4.3578 | 4.4480 |
| | 26 | 1.9558 | 7.4855 | 27.021 | 7.4393 | 313.16 | 4.3629 | 4.4657 |
| | 27 | 1.9558 | 7.4860 | 27.035 | 7.4392 | 313.56 | 4.3733 | 4.4660 |
| | 28 | 1.9558 | 7.4855 | 27.045 | 7.4398 | 312.15 | 4.3636 | 4.4585 |
| | 29 | 1.9558 | 7.4875 | 27.031 | 7.4374 | 312.19 | 4.3630 | 4.4655 |
| Aug | 1 | 1.9558 | 7.4855 | 27.029 | 7.4389 | 311.01 | 4.3510 | 4.4540 |
| | 2 | 1.9558 | 7.4927 | 27.032 | 7.4390 | 311.10 | 4.3241 | 4.4542 |
| | 3 | 1.9558 | 7.4963 | 27.034 | 7.4387 | 311.00 | 4.3130 | 4.4550 |
| | 4 | 1.9558 | 7.4827 | 27.027 | 7.4383 | 311.18 | 4.2940 | 4.4605 |
| | 5 | 1.9558 | 7.4843 | 27.022 | 7.4373 | 310.62 | 4.2841 | 4.4622 |
| | 8 | 1.9558 | 7.4799 | 27.027 | 7.4368 | 311.02 | 4.2786 | 4.4584 |
| | 9 | 1.9558 | 7.4855 | 27.027 | 7.4367 | 310.37 | 4.2669 | 4.4598 |
| | 10 | 1.9558 | 7.4827 | 27.025 | 7.4384 | 310.41 | 4.2684 | 4.4585 |
| | 11 | 1.9558 | 7.4952 | 27.020 | 7.4386 | 310.26 | 4.2604 | 4.4601 |
| | 12 | 1.9558 | 7.4916 | 27.018 | 7.4398 | 310.02 | 4.2658 | 4.4590 |
| | 15 | 1.9558 | 7.4925 | 27.023 | 7.4405 | 309.49 | 4.2695 | 4.4594 |
| | 16 | 1.9558 | 7.4830 | 27.020 | 7.4397 | 309.91 | 4.2696 | 4.4583 |
| | 17 | 1.9558 | 7.4759 | 27.023 | 7.4413 | 310.63 | 4.2907 | 4.4753 |
| | 18 | 1.9558 | 7.4826 | 27.024 | 7.4417 | 310.42 | 4.2925 | 4.4687 |
| | 19 | 1.9558 | 7.4851 | 27.022 | 7.4417 | 310.28 | 4.2992 | 4.4658 |
| | 22 | 1.9558 | 7.4890 | 27.024 | 7.4421 | 310.15 | 4.3019 | 4.4583 |
| | 23 | 1.9558 | 7.4862 | 27.023 | 7.4423 | 310.49 | 4.3126 | 4.4568 |
| | 24 | 1.9558 | 7.4920 | 27.022 | 7.4432 | 309.99 | 4.3039 | 4.4597 |
| | 25 | 1.9558 | 7.4916 | 27.026 | 7.4441 | 309.80 | 4.3123 | 4.4526 |
| | 26 | 1.9558 | 7.4893 | 27.024 | 7.4462 | 308.50 | 4.3244 | 4.4578 |
| | 29 | 1.9558 | 7.4852 | 27.023 | 7.4451 | 308.76 | 4.3314 | 4.4576 |
| | 30 | 1.9558 | 7.4846 | 27.025 | 7.4448 | 308.97 | 4.3436 | 4.4505 |
| | 31 | 1.9558 | 7.4785 | 27.026 | 7.4432 | 310.34 | 4.3533 | 4.4575 |
| Sep | 1 | 1.9558 | 7.4808 | 27.025 | 7.4418 | 310.05 | 4.3645 | 4.4558 |
| | 2 | 1.9558 | 7.4803 | 27.022 | 7.4403 | 310.13 | 4.3914 | 4.4525 |
| | 5 | 1.9558 | 7.5010 | 27.021 | 7.4407 | 309.33 | 4.3541 | 4.4495 |
| | 6 | 1.9558 | 7.4942 | 27.021 | 7.4415 | 309.80 | 4.3388 | 4.4513 |
| | 7 | 1.9558 | 7.4865 | 27.021 | 7.4441 | 308.65 | 4.3186 | 4.4525 |
| | 8 | 1.9558 | 7.4850 | 27.021 | 7.4429 | 308.06 | 4.3103 | 4.4514 |
| | 9 | 1.9558 | 7.4838 | 27.022 | 7.4428 | 308.61 | 4.3345 | 4.4495 |
| | 12 | 1.9558 | 7.4860 | 27.024 | 7.4434 | 309.98 | 4.3494 | 4.4499 |
| | 13 | 1.9558 | 7.4903 | 27.021 | 7.4437 | 309.80 | 4.3478 | 4.4460 |
| | 14 | 1.9558 | 7.5000 | 27.023 | 7.4442 | 309.95 | 4.3420 | 4.4475 |
| | 15 | 1.9558 | 7.5110 | 27.023 | 7.4463 | 310.25 | 4.3254 | 4.4483 |
| | 16 | 1.9558 | 7.5115 | 27.024 | 7.4471 | 309.14 | 4.3167 | 4.4501 |
| | 19 | 1.9558 | 7.5120 | 27.021 | 7.4503 | 307.76 | 4.2925 | 4.4475 |
| | 20 | 1.9558 | 7.5127 | 27.022 | 7.4520 | 309.12 | 4.2975 | 4.4513 |
| | 21 | 1.9558 | 7.5080 | 27.022 | 7.4546 | 308.55 | 4.2915 | 4.4495 |
| | 22 | 1.9558 | 7.5055 | 27.021 | 7.4543 | 306.37 | 4.2852 | 4.4498 |
| | 23 | 1.9558 | 7.5005 | 27.022 | 7.4552 | 305.51 | 4.2869 | 4.4475 |
| | 26 | 1.9558 | 7.5030 | 27.021 | 7.4539 | 306.52 | 4.3045 | 4.4498 |
| | 27 | 1.9558 | 7.5050 | 27.025 | 7.4501 | 306.94 | 4.2887 | 4.4483 |
| | 28 | 1.9558 | 7.5160 | 27.023 | 7.4511 | 307.95 | 4.2893 | 4.4506 |
| | 29 | 1.9558 | 7.5153 | 27.022 | 7.4523 | 308.65 | 4.3065 | 4.4530 |
| | 30 | 1.9558 | 7.5220 | 27.021 | 7.4513 | 309.79 | 4.3192 | 4.4537 |
| Oct | 3 | 1.9558 | 7.5053 | 27.021 | 7.4463 | 308.18 | 4.2933 | 4.4505 |
| | 4 | 1.9558 | 7.5070 | 27.021 | 7.4418 | 307.42 | 4.2936 | 4.4583 |
| | 5 | 1.9558 | 7.5080 | 27.028 | 7.4417 | 305.85 | 4.2941 | 4.4621 |
| | 6 | 1.9558 | 7.5120 | 27.021 | 7.4413 | 305.07 | 4.2928 | 4.4760 |
| | 7 | 1.9558 | 7.5035 | 27.021 | 7.4405 | 303.86 | 4.2813 | 4.5046 |
| | 10 | 1.9558 | 7.5050 | 27.021 | 7.4409 | 304.65 | 4.2821 | 4.5035 |

* See Explanatory notes, p 51.

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

| | | Other European and non-European countries | | | | | | | | |
|----------------------|-----------------------|-------------------------------------------|-----------------------|------------------------|---------------------------------|-------------------------|---------------------|-----------|----|--|
| Sweden | United Kingdom | Australia | Brazil | Canada | China | Hong Kong | India | | | |
| Swedish krona SEK | Pound sterling GBP | Australian dollar AUD | Brazilian real BRL | Canadian dollar CAD | Chinese yuan renminbi CNY | Hong Kong dollar HKD | Indian rupee INR | Period | | |
| 9.3900 | 0.83830 | 1.4884 | 3.5837 | 1.4390 | 7.4111 | 8.6393 | 74.9698 | 2016 July | 1 | |
| 9.3910 | 0.83905 | 1.4792 | 3.6131 | 1.4328 | 7.4229 | 8.6418 | 74.9065 | | 4 | |
| 9.4329 | 0.84997 | 1.4902 | 3.6655 | 1.4418 | 7.4379 | 8.6474 | 75.2034 | | 5 | |
| 9.4671 | 0.85300 | 1.4812 | 3.6787 | 1.4419 | 7.4018 | 8.5885 | 74.6283 | | 6 | |
| 9.4792 | 0.85085 | 1.4737 | 3.6894 | 1.4328 | 7.4044 | 8.5966 | 74.7044 | | 7 | |
| 9.4685 | 0.85243 | 1.4731 | 3.6942 | 1.4406 | 7.4011 | 8.5866 | 74.5132 | | 8 | |
| 9.4760 | 0.85097 | 1.4617 | 3.6651 | 1.4437 | 7.3926 | 8.5731 | 74.1865 | | 11 | |
| 9.4470 | 0.84275 | 1.4532 | 3.6414 | 1.4452 | 7.4148 | 8.6051 | 74.4220 | | 12 | |
| 9.4368 | 0.83398 | 1.4517 | 3.6517 | 1.4452 | 7.4077 | 8.5892 | 74.2155 | | 13 | |
| 9.4413 | 0.83311 | 1.4588 | 3.6041 | 1.4422 | 7.4577 | 8.6538 | 74.5940 | | 14 | |
| 9.4556 | 0.83275 | 1.4538 | 3.6232 | 1.4317 | 7.4355 | 8.6283 | 74.5850 | | 15 | |
| 9.4679 | 0.83372 | 1.4557 | 3.5963 | 1.4315 | 7.4089 | 8.5713 | 74.2758 | | 18 | |
| 9.4922 | 0.83950 | 1.4727 | 3.6078 | 1.4364 | 7.3875 | 8.5585 | 74.0824 | | 19 | |
| 9.4684 | 0.83605 | 1.4712 | 3.5761 | 1.4382 | 7.3501 | 8.5405 | 74.0123 | | 20 | |
| 9.4736 | 0.83595 | 1.4710 | 3.5804 | 1.4376 | 7.3505 | 8.5426 | 74.0373 | | 21 | |
| 9.4979 | 0.84108 | 1.4717 | 3.6138 | 1.4436 | 7.3500 | 8.5420 | 73.8783 | | 22 | |
| 9.5070 | 0.83670 | 1.4666 | 3.5758 | 1.4466 | 7.3356 | 8.5190 | 73.9624 | | 25 | |
| 9.5124 | 0.83710 | 1.4599 | 3.6080 | 1.4553 | 7.3357 | 8.5301 | 74.0420 | | 26 | |
| 9.5370 | 0.83875 | 1.4715 | 3.6056 | 1.4497 | 7.3311 | 8.5253 | 73.8700 | | 27 | |
| 9.5497 | 0.84220 | 1.4735 | 3.6306 | 1.4595 | 7.3838 | 8.6022 | 74.3543 | | 28 | |
| 9.5673 | 0.84400 | 1.4782 | 3.6478 | 1.4643 | 7.3908 | 8.6210 | 74.4070 | | 29 | |
| 9.5833 | 0.84540 | 1.4751 | 3.6361 | 1.4587 | 7.4136 | 8.6623 | 74.4640 | Aug | 1 | |
| 9.5537 | 0.84310 | 1.4717 | 3.6549 | 1.4608 | 7.4233 | 8.6863 | 74.6730 | | 2 | |
| 9.5146 | 0.83910 | 1.4750 | 3.6606 | 1.4672 | 7.4234 | 8.6898 | 74.9224 | | 3 | |
| 9.5105 | 0.84603 | 1.4604 | 3.5894 | 1.4536 | 7.3961 | 8.6384 | 74.4740 | | 4 | |
| 9.5043 | 0.84810 | 1.4567 | 3.5501 | 1.4529 | 7.4110 | 8.6521 | 74.4919 | | 5 | |
| 9.5250 | 0.84955 | 1.4520 | 3.5239 | 1.4573 | 7.3848 | 8.5999 | 74.1000 | | 8 | |
| 9.4875 | 0.85399 | 1.4463 | 3.5045 | 1.4567 | 7.3798 | 8.5950 | 74.0990 | | 9 | |
| 9.4811 | 0.85541 | 1.4450 | 3.4911 | 1.4557 | 7.4169 | 8.6748 | 74.5310 | | 10 | |
| 9.4310 | 0.86038 | 1.4460 | 3.5156 | 1.4559 | 7.4031 | 8.6506 | 74.5558 | | 11 | |
| 9.4299 | 0.86050 | 1.4535 | 3.5287 | 1.4478 | 7.4173 | 8.6551 | 74.6069 | | 12 | |
| 9.4601 | 0.86677 | 1.4577 | 3.5463 | 1.4446 | 7.4203 | 8.6725 | 74.7779 | | 15 | |
| 9.4532 | 0.87060 | 1.4602 | 3.5741 | 1.4477 | 7.4772 | 8.7604 | 75.4101 | | 16 | |
| 9.4951 | 0.86640 | 1.4780 | 3.6238 | 1.4529 | 7.4825 | 8.7457 | 75.3999 | | 17 | |
| 9.4759 | 0.86073 | 1.4766 | 3.6484 | 1.4524 | 7.5066 | 8.7784 | 75.6332 | | 18 | |
| 9.4936 | 0.86537 | 1.4877 | 3.6659 | 1.4547 | 7.5341 | 8.7821 | 76.0850 | | 19 | |
| 9.4825 | 0.86240 | 1.4856 | 3.6339 | 1.4602 | 7.5195 | 8.7656 | 75.9920 | | 22 | |
| 9.4673 | 0.85995 | 1.4823 | 3.6146 | 1.4625 | 7.5301 | 8.7914 | 76.0496 | | 23 | |
| 9.4545 | 0.85130 | 1.4782 | 3.6463 | 1.4581 | 7.5013 | 8.7370 | 75.6268 | | 24 | |
| 9.4956 | 0.85570 | 1.4840 | 3.6365 | 1.4597 | 7.5146 | 8.7553 | 75.6974 | | 25 | |
| 9.4903 | 0.85450 | 1.4771 | 3.6441 | 1.4546 | 7.5318 | 8.7555 | 75.6470 | | 26 | |
| 9.4940 | 0.85476 | 1.4790 | 3.6710 | 1.4536 | 7.4608 | 8.6637 | 75.0335 | | 29 | |
| 9.5008 | 0.85170 | 1.4787 | 3.5991 | 1.4562 | 7.4565 | 8.6631 | 74.8703 | | 30 | |
| 9.5159 | 0.84806 | 1.4806 | 3.6016 | 1.4583 | 7.4311 | 8.6357 | 74.5562 | | 31 | |
| 9.5490 | 0.84050 | 1.4801 | 3.6026 | 1.4634 | 7.4452 | 8.6463 | 74.6330 | Sep | 1 | |
| 9.5985 | 0.84260 | 1.4810 | 3.6549 | 1.4643 | 7.4755 | 8.6815 | 74.7620 | | 2 | |
| 9.5478 | 0.83643 | 1.4696 | 3.6258 | 1.4436 | 7.4496 | 8.6517 | 74.1400 | | 5 | |
| 9.5360 | 0.83535 | 1.4625 | 3.6445 | 1.4405 | 7.4525 | 8.6543 | 74.1975 | | 6 | |
| 9.5063 | 0.83968 | 1.4637 | 3.5944 | 1.4444 | 7.4876 | 8.7145 | 74.5655 | | 7 | |
| 9.4945 | 0.84560 | 1.4632 | 3.5982 | 1.4546 | 7.5255 | 8.7615 | 74.9830 | | 8 | |
| 9.5020 | 0.84558 | 1.4836 | 3.6552 | 1.4600 | 7.5276 | 8.7393 | 75.2030 | | 9 | |
| 9.5587 | 0.84475 | 1.4930 | 3.6931 | 1.4722 | 7.4995 | 8.7091 | 75.1105 | | 12 | |
| 9.5380 | 0.84763 | 1.4938 | 3.6809 | 1.4744 | 7.5138 | 8.7254 | 75.2370 | | 13 | |
| 9.5343 | 0.85078 | 1.5022 | 3.7097 | 1.4799 | 7.4894 | 8.7038 | 75.0710 | | 14 | |
| 9.5500 | 0.85198 | 1.5037 | 3.7439 | 1.4831 | 7.5102 | 8.7311 | 75.3090 | | 15 | |
| 9.5570 | 0.85203 | 1.4949 | 3.6993 | 1.4817 | 7.4915 | 8.7099 | 75.2370 | | 16 | |
| 9.5688 | 0.85500 | 1.4792 | 3.6440 | 1.4684 | 7.4469 | 8.6616 | 74.7835 | | 19 | |
| 9.5763 | 0.86213 | 1.4812 | 3.6473 | 1.4792 | 7.4604 | 8.6753 | 74.9620 | | 20 | |
| 9.5698 | 0.85693 | 1.4665 | 3.6137 | 1.4653 | 7.4384 | 8.6472 | 74.6800 | | 21 | |
| 9.5833 | 0.85925 | 1.4674 | 3.5940 | 1.4623 | 7.4949 | 8.7157 | 74.8720 | | 22 | |
| 9.5820 | 0.86435 | 1.4685 | 3.5931 | 1.4625 | 7.4797 | 8.6979 | 74.7110 | | 23 | |
| 9.6075 | 0.87090 | 1.4751 | 3.6522 | 1.4825 | 7.5105 | 8.7342 | 75.0600 | | 26 | |
| 9.6213 | 0.86413 | 1.4661 | 3.6215 | 1.4873 | 7.4826 | 8.7005 | 74.5795 | | 27 | |
| 9.6165 | 0.86208 | 1.4637 | 3.6389 | 1.4829 | 7.4911 | 8.7041 | 74.5915 | | 28 | |
| 9.6218 | 0.86138 | 1.4642 | 3.6300 | 1.4683 | 7.4820 | 8.7021 | 75.0305 | | 29 | |
| 9.6210 | 0.86103 | 1.4657 | 3.6210 | 1.4690 | 7.4463 | 8.6547 | 74.3655 | | 30 | |
| 9.5930 | 0.87318 | 1.4638 | 3.6409 | 1.4702 | 7.4962 | 8.7145 | 74.7660 | Oct | 3 | |
| 9.6005 | 0.87540 | 1.4564 | 3.5816 | 1.4697 | 7.4462 | 8.6565 | 74.2035 | | 4 | |
| 9.6260 | 0.88155 | 1.4722 | 3.6374 | 1.4816 | 7.4829 | 8.6958 | 74.6349 | | 5 | |
| 9.6320 | 0.88323 | 1.4762 | 3.6206 | 1.4769 | 7.4605 | 8.6764 | 74.6445 | | 6 | |
| 9.6335 | 0.90353 | 1.4696 | 3.6087 | 1.4784 | 7.4322 | 8.6426 | 74.3105 | | 7 | |
| 9.6618 | 0.90070 | 1.4690 | 3.5886 | 1.4790 | 7.4850 | 8.6588 | 74.2325 | | 10 | |

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

1 Daily rates (cont'd)

EUR 1 = CU ...

| | | Other European and non-European countries (cont'd) | | | | | | | | |
|-----------|-----|----------------------------------------------------|---------------------------|---------------------|-------------------------|--------------------------|---------------------|---------------------------|------------------------|--------|
| | | Indonesia | Israel | Japan | Korea, Republic of | Malaysia | Mexico | New Zealand | Norway | |
| | | Indonesian rupiah IDR | New Israeli sheqel ILS | Japanese yen JPY | South Korean won KRW | Malaysian ringgit MYR | Mexican peso MXN | New Zealand dollar NZD | Norwegian krone NOK | |
| 2016 July | 1 | 14,597.99 | 4.2795 | 114.29 | 1,275.76 | 4.4376 | 20.1814 | 1.5508 | 9.2975 | |
| | 4 | 14,586.69 | 4.2916 | 114.29 | 1,278.83 | 4.4459 | 20.4241 | 1.5452 | 9.2538 | |
| | 5 | 14,633.23 | 4.3121 | 113.50 | 1,289.88 | 4.4897 | 20.8069 | 1.5522 | 9.3197 | |
| | 6 | 14,617.72 | 4.3114 | 111.48 | 1,289.10 | 4.4828 | 20.9024 | 1.5556 | 9.3517 | |
| | 7 | 14,603.44 | 4.3006 | 111.90 | 1,280.63 | 4.4636 | 20.7274 | 1.5338 | 9.3782 | |
| | 8 | 14,605.20 | 4.3011 | 111.17 | 1,280.91 | 4.4535 | 20.7956 | 1.5221 | 9.3930 | |
| | 11 | 14,476.95 | 4.2913 | 113.23 | 1,268.78 | 4.4110 | 20.3780 | 1.5250 | 9.4061 | |
| | 12 | 14,555.48 | 4.2962 | 115.29 | 1,271.30 | 4.3964 | 20.2867 | 1.5184 | 9.3499 | |
| | 13 | 14,443.98 | 4.2832 | 115.82 | 1,265.58 | 4.3659 | 20.2800 | 1.5154 | 9.3145 | |
| | 14 | 14,562.12 | 4.2923 | 117.88 | 1,262.25 | 4.3816 | 20.3522 | 1.5474 | 9.3247 | |
| | 15 | 14,563.77 | 4.2818 | 117.63 | 1,260.06 | 4.3932 | 20.4417 | 1.5534 | 9.3183 | |
| | 18 | 14,468.93 | 4.2650 | 116.82 | 1,257.60 | 4.3971 | 20.4348 | 1.5555 | 9.3627 | |
| | 19 | 14,443.16 | 4.2582 | 117.20 | 1,257.60 | 4.4205 | 20.3706 | 1.5684 | 9.3489 | |
| | 20 | 14,433.83 | 4.2491 | 117.33 | 1,257.06 | 4.4456 | 20.3683 | 1.5658 | 9.3552 | |
| | 21 | 14,448.38 | 4.2463 | 117.05 | 1,253.58 | 4.4860 | 20.5428 | 1.5789 | 9.3541 | |
| | 22 | 14,445.45 | 4.2232 | 116.86 | 1,251.19 | 4.4696 | 20.4913 | 1.5748 | 9.3847 | |
| | 25 | 14,426.50 | 4.2229 | 116.64 | 1,250.46 | 4.4692 | 20.4059 | 1.5709 | 9.4102 | |
| | 26 | 14,488.80 | 4.2260 | 114.67 | 1,249.22 | 4.4693 | 20.6734 | 1.5561 | 9.4370 | |
| | 27 | 14,447.16 | 4.2213 | 116.23 | 1,247.17 | 4.4893 | 20.6866 | 1.5631 | 9.4387 | |
| | 28 | 14,530.67 | 4.2383 | 116.14 | 1,251.17 | 4.5018 | 20.8716 | 1.5646 | 9.4405 | |
| | 29 | 14,559.70 | 4.2494 | 114.83 | 1,246.83 | 4.5200 | 21.0288 | 1.5615 | 9.5092 | |
| | Aug | 1 | 14,549.55 | 4.2513 | 114.28 | 1,236.21 | 4.4954 | 20.9306 | 1.5545 | 9.4455 |
| | | 2 | 14,627.57 | 4.2704 | 113.72 | 1,239.02 | 4.5187 | 21.1050 | 1.5497 | 9.4363 |
| | | 3 | 14,738.64 | 4.2811 | 113.22 | 1,251.34 | 4.5413 | 21.1797 | 1.5577 | 9.4236 |
| | | 4 | 14,649.41 | 4.2612 | 112.66 | 1,241.88 | 4.5057 | 20.9694 | 1.5479 | 9.4118 |
| | | 5 | 14,617.71 | 4.2633 | 112.73 | 1,237.73 | 4.4927 | 21.0282 | 1.5473 | 9.4022 |
| | | 8 | 14,552.80 | 4.2435 | 113.59 | 1,229.38 | 4.4694 | 20.6443 | 1.5548 | 9.4065 |
| | | 9 | 14,547.53 | 4.2319 | 113.27 | 1,224.66 | 4.4668 | 20.5015 | 1.5522 | 9.3570 |
| | | 10 | 14,627.55 | 4.2597 | 113.09 | 1,223.53 | 4.4624 | 20.4917 | 1.5418 | 9.2571 |
| 11 | | 14,610.43 | 4.2520 | 113.05 | 1,226.97 | 4.4676 | 20.5527 | 1.5390 | 9.2293 | |
| 12 | | 14,623.67 | 4.2553 | 113.77 | 1,234.19 | 4.4915 | 20.3881 | 1.5497 | 9.1635 | |
| 15 | | 14,641.33 | 4.2585 | 112.97 | 1,229.06 | 4.4757 | 20.2774 | 1.5498 | 9.1752 | |
| 16 | | 14,774.99 | 4.2662 | 112.74 | 1,232.41 | 4.4867 | 20.2785 | 1.5488 | 9.2101 | |
| 17 | | 14,827.94 | 4.2770 | 113.53 | 1,252.95 | 4.5172 | 20.4678 | 1.5596 | 9.2812 | |
| 18 | | 14,871.27 | 4.2787 | 113.60 | 1,257.07 | 4.5281 | 20.5540 | 1.5578 | 9.2389 | |
| 19 | | 14,941.26 | 4.2676 | 113.53 | 1,269.15 | 4.5534 | 20.7543 | 1.5606 | 9.3048 | |
| 22 | | 14,955.58 | 4.2725 | 113.73 | 1,270.24 | 4.5598 | 20.6901 | 1.5605 | 9.3281 | |
| 23 | | 14,991.29 | 4.2734 | 113.48 | 1,265.68 | 4.5645 | 20.6848 | 1.5482 | 9.2875 | |
| 24 | | 14,969.54 | 4.2506 | 112.95 | 1,264.96 | 4.5537 | 20.8945 | 1.5400 | 9.2460 | |
| 25 | | 14,973.93 | 4.2482 | 113.45 | 1,260.33 | 4.5474 | 20.8385 | 1.5453 | 9.2771 | |
| 26 | | 14,906.00 | 4.2444 | 113.33 | 1,258.02 | 4.5349 | 20.7197 | 1.5418 | 9.2501 | |
| 29 | | 14,819.24 | 4.2319 | 114.24 | 1,254.70 | 4.5183 | 20.7643 | 1.5438 | 9.2731 | |
| 30 | | 14,814.35 | 4.2241 | 114.27 | 1,244.47 | 4.5205 | 20.7542 | 1.5427 | 9.2873 | |
| 31 | | 14,786.64 | 4.2229 | 115.01 | 1,243.66 | 4.5519 | 20.9424 | 1.5353 | 9.2765 | |
| Sep | | 1 | 14,804.78 | 4.2059 | 115.59 | 1,250.35 | 4.5675 | 20.9550 | 1.5357 | 9.3050 |
| | | 2 | 14,827.37 | 4.2135 | 115.83 | 1,248.91 | 4.5740 | 21.0145 | 1.5329 | 9.3170 |
| | | 5 | 14,658.43 | 4.2058 | 115.24 | 1,234.36 | 4.5472 | 20.6487 | 1.5252 | 9.2458 |
| | | 6 | 14,637.26 | 4.2005 | 115.39 | 1,233.76 | 4.5545 | 20.6702 | 1.5205 | 9.2113 |
| | | 7 | 14,675.52 | 4.2248 | 114.23 | 1,224.94 | 4.5594 | 20.6223 | 1.5054 | 9.1943 |
| | | 8 | 14,720.30 | 4.2351 | 114.80 | 1,230.87 | 4.5664 | 20.7145 | 1.5158 | 9.1950 |
| | 9 | 14,796.65 | 4.2293 | 115.85 | 1,244.18 | 4.6100 | 21.1869 | 1.5299 | 9.2470 | |
| | 12 | 14,705.50 | 4.2332 | 114.38 | 1,252.33 | 4.6370 | 21.4395 | 1.5350 | 9.2713 | |
| | 13 | 14,830.30 | 4.2408 | 114.98 | 1,263.43 | 4.6377 | 21.3800 | 1.5352 | 9.2315 | |
| | 14 | 14,845.90 | 4.2470 | 115.37 | 1,263.14 | 4.6333 | 21.4804 | 1.5440 | 9.2748 | |
| | 15 | 14,827.15 | 4.2468 | 114.98 | 1,267.89 | 4.6551 | 21.6438 | 1.5442 | 9.2648 | |
| | 16 | 14,770.61 | 4.2245 | 114.35 | 1,263.64 | 4.6441 | 21.7665 | 1.5367 | 9.2625 | |
| | 19 | 14,701.10 | 4.2151 | 113.65 | 1,250.16 | 4.6178 | 21.8847 | 1.5267 | 9.2505 | |
| | 20 | 14,698.01 | 4.2231 | 113.93 | 1,252.40 | 4.6310 | 21.9650 | 1.5220 | 9.2648 | |
| | 21 | 14,646.08 | 4.2102 | 112.49 | 1,240.60 | 4.6125 | 22.0065 | 1.5170 | 9.2318 | |
| | 22 | 14,691.06 | 4.2236 | 113.19 | 1,238.31 | 4.6156 | 22.0510 | 1.5341 | 9.1073 | |
| | 23 | 14,663.99 | 4.2161 | 113.02 | 1,235.78 | 4.6028 | 22.0086 | 1.5435 | 9.1028 | |
| | 26 | 14,674.39 | 4.2339 | 113.11 | 1,246.11 | 4.6501 | 22.3599 | 1.5513 | 9.1318 | |
| | 27 | 14,511.95 | 4.2025 | 112.52 | 1,232.69 | 4.6355 | 21.9250 | 1.5388 | 9.1108 | |
| | 28 | 14,533.57 | 4.2148 | 112.93 | 1,231.76 | 4.6434 | 21.8177 | 1.5459 | 9.0888 | |
| | 29 | 14,559.25 | 4.2156 | 113.88 | 1,235.19 | 4.6270 | 21.7955 | 1.5451 | 9.0403 | |
| | 30 | 14,566.22 | 4.1996 | 113.09 | 1,229.76 | 4.6148 | 21.7389 | 1.5369 | 8.9865 | |
| | Oct | 3 | 14,587.14 | 4.2228 | 113.90 | 1,237.21 | 4.6272 | 21.6150 | 1.5454 | 8.9625 |
| | | 4 | 14,507.07 | 4.2079 | 114.50 | 1,238.16 | 4.6067 | 21.5831 | 1.5327 | 8.9175 |
| | | 5 | 14,612.32 | 4.2343 | 115.65 | 1,250.31 | 4.6397 | 21.6129 | 1.5612 | 8.9872 |
| | | 6 | 14,560.63 | 4.2301 | 116.00 | 1,249.22 | 4.6563 | 21.5700 | 1.5647 | 8.9938 |
| | | 7 | 14,466.31 | 4.2314 | 115.44 | 1,243.04 | 4.6343 | 21.5602 | 1.5590 | 9.0010 |
| | 10 | 14,482.89 | 4.2292 | 115.39 | 1,240.60 | 4.6353 | 21.1388 | 1.5647 | 9.0448 | |

* See Explanatory notes, p 51.

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

| Philippines | Russian Federation | Singapore | South Africa | Switzerland | Thailand | Turkey | United States | Period |
|---------------------|--------------------|----------------------|------------------------|-----------------|---------------|------------------|---------------|-------------|
| Philippine peso PHP | Russian rouble RUB | Singapore dollar SGD | South African rand ZAR | Swiss franc CHF | Thai baht THB | Turkish lira TRY | US dollar USD | |
| 52.334 | 71.3087 | 1.4959 | 16.2287 | 1.0835 | 39.033 | 3.2077 | 1.1135 | 2016 July 1 |
| 52.176 | 71.0115 | 1.4989 | 16.1416 | 1.0839 | 39.028 | 3.2284 | 1.1138 | 4 |
| 52.386 | 71.6075 | 1.5040 | 16.4420 | 1.0837 | 39.163 | 3.2550 | 1.1146 | 5 |
| 52.153 | 71.6165 | 1.4969 | 16.4815 | 1.0821 | 38.952 | 3.2628 | 1.1069 | 6 |
| 52.157 | 70.9286 | 1.4934 | 16.2433 | 1.0820 | 38.979 | 3.2468 | 1.1080 | 7 |
| 52.252 | 70.9558 | 1.4903 | 16.2687 | 1.0855 | 39.039 | 3.2402 | 1.1070 | 8 |
| 52.309 | 70.9862 | 1.4910 | 15.9573 | 1.0867 | 38.817 | 3.2027 | 1.1049 | 11 |
| 52.534 | 70.8144 | 1.4939 | 15.8657 | 1.0904 | 39.011 | 3.2028 | 1.1092 | 12 |
| 52.182 | 70.6406 | 1.4903 | 15.8695 | 1.0909 | 38.951 | 3.2047 | 1.1072 | 13 |
| 52.436 | 70.4687 | 1.4978 | 15.8563 | 1.0900 | 39.115 | 3.2223 | 1.1157 | 14 |
| 51.950 | 70.3711 | 1.4961 | 15.9668 | 1.0899 | 38.898 | 3.2125 | 1.1128 | 15 |
| 51.650 | 69.7145 | 1.4900 | 15.7685 | 1.0869 | 38.647 | 3.2680 | 1.1053 | 18 |
| 51.735 | 69.5272 | 1.4921 | 15.8098 | 1.0877 | 38.615 | 3.2878 | 1.1035 | 19 |
| 51.917 | 69.7877 | 1.4962 | 15.7296 | 1.0882 | 38.583 | 3.3463 | 1.1013 | 20 |
| 51.975 | 70.3897 | 1.4931 | 15.7433 | 1.0872 | 38.564 | 3.3841 | 1.1015 | 21 |
| 51.836 | 71.0806 | 1.4934 | 15.6920 | 1.0860 | 38.463 | 3.3560 | 1.1014 | 22 |
| 51.751 | 71.2651 | 1.4944 | 15.6755 | 1.0839 | 38.482 | 3.3277 | 1.0982 | 25 |
| 51.855 | 72.8920 | 1.4925 | 15.8672 | 1.0870 | 38.494 | 3.3508 | 1.0997 | 26 |
| 51.872 | 72.5463 | 1.4926 | 15.7081 | 1.0928 | 38.451 | 3.3422 | 1.0991 | 27 |
| 52.242 | 73.6747 | 1.4977 | 15.7968 | 1.0892 | 38.676 | 3.3491 | 1.1090 | 28 |
| 52.431 | 74.4883 | 1.5015 | 15.7301 | 1.0823 | 38.712 | 3.3523 | 1.1113 | 29 |
| 52.474 | 73.8736 | 1.4966 | 15.5121 | 1.0807 | 38.806 | 3.3424 | 1.1164 | Aug 1 |
| 52.626 | 74.5098 | 1.4986 | 15.6368 | 1.0810 | 38.907 | 3.3512 | 1.1193 | 2 |
| 52.737 | 74.5458 | 1.5020 | 15.6581 | 1.0845 | 39.127 | 3.3742 | 1.1200 | 3 |
| 52.417 | 73.7722 | 1.4952 | 15.2998 | 1.0834 | 38.886 | 3.3664 | 1.1136 | 4 |
| 52.300 | 72.7967 | 1.4953 | 15.2536 | 1.0852 | 38.848 | 3.3471 | 1.1156 | 5 |
| 52.004 | 71.8090 | 1.4944 | 15.1284 | 1.0883 | 38.793 | 3.3082 | 1.1087 | 8 |
| 51.944 | 71.7804 | 1.4931 | 15.0072 | 1.0899 | 38.737 | 3.3015 | 1.1078 | 9 |
| 52.130 | 72.0826 | 1.4968 | 14.8482 | 1.0923 | 38.859 | 3.3030 | 1.1184 | 10 |
| 52.085 | 72.3675 | 1.4989 | 14.9080 | 1.0859 | 38.746 | 3.3050 | 1.1153 | 11 |
| 51.963 | 72.2194 | 1.5023 | 15.0700 | 1.0888 | 38.815 | 3.2998 | 1.1158 | 12 |
| 51.855 | 71.8869 | 1.5025 | 14.9346 | 1.0893 | 38.701 | 3.3007 | 1.1180 | 15 |
| 52.142 | 72.0053 | 1.5094 | 14.9524 | 1.0849 | 39.033 | 3.3045 | 1.1295 | 16 |
| 52.350 | 72.2019 | 1.5160 | 15.1708 | 1.0863 | 39.104 | 3.3086 | 1.1276 | 17 |
| 52.377 | 72.5612 | 1.5194 | 15.1227 | 1.0853 | 39.176 | 3.3205 | 1.1321 | 18 |
| 52.529 | 72.5897 | 1.5267 | 15.3019 | 1.0852 | 39.241 | 3.3262 | 1.1326 | 19 |
| 52.641 | 72.8855 | 1.5276 | 15.3625 | 1.0886 | 39.194 | 3.3266 | 1.1306 | 22 |
| 52.635 | 73.1995 | 1.5297 | 15.2793 | 1.0896 | 39.232 | 3.3247 | 1.1339 | 23 |
| 52.396 | 73.0561 | 1.5257 | 15.9380 | 1.0891 | 39.013 | 3.3290 | 1.1268 | 24 |
| 52.347 | 73.2200 | 1.5277 | 15.9528 | 1.0905 | 39.032 | 3.3219 | 1.1290 | 25 |
| 52.290 | 73.1392 | 1.5269 | 15.8622 | 1.0933 | 39.004 | 3.3160 | 1.1290 | 26 |
| 51.829 | 72.6695 | 1.5212 | 16.2300 | 1.0937 | 38.647 | 3.3048 | 1.1170 | 29 |
| 51.797 | 72.4564 | 1.5196 | 16.0537 | 1.0951 | 38.608 | 3.2977 | 1.1168 | 30 |
| 51.975 | 72.6624 | 1.5181 | 16.1731 | 1.0957 | 38.549 | 3.2931 | 1.1132 | 31 |
| 52.100 | 72.8322 | 1.5198 | 16.3512 | 1.0978 | 38.610 | 3.3003 | 1.1146 | Sep 1 |
| 52.243 | 73.5963 | 1.5196 | 16.2567 | 1.0959 | 38.739 | 3.3125 | 1.1193 | 2 |
| 51.907 | 72.4024 | 1.5135 | 16.0116 | 1.0925 | 38.711 | 3.2872 | 1.1156 | 5 |
| 51.988 | 72.3400 | 1.5130 | 15.8513 | 1.0923 | 38.677 | 3.2821 | 1.1159 | 6 |
| 52.477 | 72.4813 | 1.5125 | 15.7627 | 1.0891 | 38.914 | 3.2939 | 1.1237 | 7 |
| 52.945 | 72.1488 | 1.5201 | 15.7057 | 1.0917 | 39.220 | 3.3179 | 1.1296 | 8 |
| 53.337 | 72.5475 | 1.5280 | 16.1404 | 1.0969 | 39.201 | 3.3440 | 1.1268 | 9 |
| 53.383 | 73.0373 | 1.5277 | 16.2563 | 1.0935 | 39.145 | 3.3473 | 1.1226 | 12 |
| 53.665 | 72.8200 | 1.5318 | 16.0811 | 1.0925 | 39.263 | 3.3505 | 1.1247 | 13 |
| 53.396 | 73.1292 | 1.5327 | 16.0776 | 1.0945 | 39.140 | 3.3470 | 1.1218 | 14 |
| 53.611 | 73.1961 | 1.5366 | 15.9998 | 1.0941 | 39.265 | 3.3484 | 1.1254 | 15 |
| 53.741 | 72.8966 | 1.5318 | 15.8680 | 1.0941 | 39.190 | 3.3384 | 1.1226 | 16 |
| 53.559 | 72.0211 | 1.5220 | 15.6637 | 1.0955 | 38.885 | 3.3243 | 1.1165 | 19 |
| 53.527 | 72.5141 | 1.5237 | 15.5144 | 1.0943 | 38.909 | 3.3275 | 1.1184 | 20 |
| 53.301 | 71.7138 | 1.5147 | 15.2889 | 1.0883 | 38.713 | 3.3168 | 1.1150 | 21 |
| 53.806 | 71.5987 | 1.5221 | 15.1567 | 1.0867 | 38.951 | 3.3153 | 1.1238 | 22 |
| 53.881 | 71.2201 | 1.5231 | 15.2370 | 1.0887 | 38.834 | 3.3059 | 1.1214 | 23 |
| 54.365 | 71.9272 | 1.5316 | 15.3985 | 1.0905 | 38.967 | 3.3563 | 1.1262 | 26 |
| 54.235 | 71.7263 | 1.5255 | 15.2031 | 1.0880 | 38.810 | 3.3424 | 1.1220 | 27 |
| 54.189 | 71.7039 | 1.5270 | 15.2492 | 1.0891 | 38.839 | 3.3438 | 1.1225 | 28 |
| 54.231 | 70.8848 | 1.5287 | 15.4740 | 1.0876 | 38.881 | 3.3661 | 1.1221 | 29 |
| 54.015 | 70.5140 | 1.5235 | 15.5238 | 1.0876 | 38.695 | 3.3576 | 1.1161 | 30 |
| 54.179 | 70.0010 | 1.5326 | 15.2641 | 1.0918 | 38.910 | 3.3861 | 1.1236 | Oct 3 |
| 53.856 | 69.7125 | 1.5289 | 15.1834 | 1.0949 | 38.729 | 3.3883 | 1.1161 | 4 |
| 54.055 | 69.9836 | 1.5365 | 15.4086 | 1.0959 | 39.020 | 3.4235 | 1.1211 | 5 |
| 54.107 | 69.7269 | 1.5365 | 15.4574 | 1.0942 | 38.985 | 3.4141 | 1.1185 | 6 |
| 53.883 | 69.5692 | 1.5320 | 15.4629 | 1.0946 | 38.890 | 3.3985 | 1.1140 | 7 |
| 54.027 | 69.6779 | 1.5337 | 15.4550 | 1.0960 | 39.172 | 3.4268 | 1.1160 | 10 |

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

2 Monthly averages +

EUR 1 = CU ...

| Period | EU member countries | | | | | | | | | Other European |
|----------|---------------------|----------|------------------|------------------|----------------------|------------------|------------------|-------------------|--------------------|-----------------------|
| | Bulgaria | Croatia | Czech Republic | Denmark | Hungary | Poland | Romania | Sweden | United Kingdom | Australia |
| | Bulgarian lev BGN | Kuna HRK | Czech koruna CZK | Danish krone DKK | Hungarian forint HUF | Polish zloty PLN | Romanian leu RON | Swedish krona SEK | Pound sterling GBP | Australian dollar AUD |
| 2011 Sep | 1.9558 | 7.4936 | 24.556 | 7.4462 | 285.05 | 4.3379 | 4.2838 | 9.1343 | 0.87172 | 1.3458 |
| Oct | 1.9558 | 7.4849 | 24.841 | 7.4442 | 296.79 | 4.3516 | 4.3244 | 9.1138 | 0.87036 | 1.3525 |
| Nov | 1.9558 | 7.4923 | 25.464 | 7.4412 | 309.15 | 4.4324 | 4.3560 | 9.1387 | 0.85740 | 1.3414 |
| Dec | 1.9558 | 7.5136 | 25.514 | 7.4341 | 304.19 | 4.4774 | 4.3282 | 9.0184 | 0.84405 | 1.3003 |
| 2012 Jan | 1.9558 | 7.5543 | 25.531 | 7.4353 | 307.33 | 4.3760 | 4.3417 | 8.8503 | 0.83210 | 1.2405 |
| Feb | 1.9558 | 7.5815 | 25.042 | 7.4341 | 290.68 | 4.1835 | 4.3513 | 8.8196 | 0.83696 | 1.2327 |
| Mar | 1.9558 | 7.5358 | 24.676 | 7.4354 | 292.26 | 4.1370 | 4.3668 | 8.8873 | 0.83448 | 1.2538 |
| Apr | 1.9558 | 7.4991 | 24.809 | 7.4393 | 294.81 | 4.1782 | 4.3789 | 8.8650 | 0.82188 | 1.2718 |
| May | 1.9558 | 7.5383 | 25.313 | 7.4335 | 293.67 | 4.2937 | 4.4412 | 8.9924 | 0.80371 | 1.2825 |
| June | 1.9558 | 7.5434 | 25.640 | 7.4325 | 293.57 | 4.2973 | 4.4626 | 8.8743 | 0.80579 | 1.2550 |
| July | 1.9558 | 7.5006 | 25.447 | 7.4384 | 286.28 | 4.1837 | 4.5549 | 8.5451 | 0.78827 | 1.1931 |
| Aug | 1.9558 | 7.4853 | 25.021 | 7.4454 | 278.93 | 4.0934 | 4.5176 | 8.2805 | 0.78884 | 1.1841 |
| Sep | 1.9558 | 7.4291 | 24.752 | 7.4539 | 284.22 | 4.1345 | 4.5022 | 8.4929 | 0.79821 | 1.2372 |
| Oct | 1.9558 | 7.5140 | 24.939 | 7.4582 | 282.09 | 4.1071 | 4.5624 | 8.6145 | 0.80665 | 1.2596 |
| Nov | 1.9558 | 7.5410 | 25.365 | 7.4587 | 282.26 | 4.1321 | 4.5273 | 8.6076 | 0.80389 | 1.2331 |
| Dec | 1.9558 | 7.5334 | 25.214 | 7.4604 | 285.79 | 4.0956 | 4.4899 | 8.6512 | 0.81237 | 1.2527 |
| 2013 Jan | 1.9558 | 7.5746 | 25.563 | 7.4614 | 294.01 | 4.1424 | 4.3835 | 8.6217 | 0.83271 | 1.2658 |
| Feb | 1.9558 | 7.5868 | 25.475 | 7.4598 | 292.73 | 4.1700 | 4.3839 | 8.5083 | 0.86250 | 1.2951 |
| Mar | 1.9558 | 7.5909 | 25.659 | 7.4553 | 303.01 | 4.1565 | 4.3923 | 8.3470 | 0.85996 | 1.2537 |
| Apr | 1.9558 | 7.6076 | 25.841 | 7.4553 | 298.67 | 4.1359 | 4.3780 | 8.4449 | 0.85076 | 1.2539 |
| May | 1.9558 | 7.5684 | 25.888 | 7.4536 | 292.38 | 4.1799 | 4.3360 | 8.5725 | 0.84914 | 1.3133 |
| June | 1.9558 | 7.4901 | 25.759 | 7.4576 | 295.70 | 4.2839 | 4.4803 | 8.6836 | 0.85191 | 1.3978 |
| July | 1.9558 | 7.5061 | 25.944 | 7.4579 | 294.90 | 4.2745 | 4.4244 | 8.6609 | 0.86192 | 1.4279 |
| Aug | 1.9558 | 7.5372 | 25.818 | 7.4580 | 299.46 | 4.2299 | 4.4371 | 8.7034 | 0.85904 | 1.4742 |
| Sep | 1.9558 | 7.5985 | 25.789 | 7.4579 | 299.75 | 4.2371 | 4.4633 | 8.6758 | 0.84171 | 1.4379 |
| Oct | 1.9558 | 7.6193 | 25.662 | 7.4592 | 294.76 | 4.1902 | 4.4444 | 8.7479 | 0.84720 | 1.4328 |
| Nov | 1.9558 | 7.6326 | 26.927 | 7.4587 | 297.68 | 4.1887 | 4.4452 | 8.8802 | 0.83780 | 1.4473 |
| Dec | 1.9558 | 7.6365 | 27.521 | 7.4602 | 300.24 | 4.1760 | 4.4635 | 8.9597 | 0.83639 | 1.5243 |
| 2014 Jan | 1.9558 | 7.6353 | 27.485 | 7.4614 | 302.48 | 4.1799 | 4.5205 | 8.8339 | 0.82674 | 1.5377 |
| Feb | 1.9558 | 7.6574 | 27.444 | 7.4622 | 310.20 | 4.1741 | 4.4918 | 8.8721 | 0.82510 | 1.5222 |
| Mar | 1.9558 | 7.6576 | 27.395 | 7.4638 | 311.49 | 4.1987 | 4.4933 | 8.8666 | 0.83170 | 1.5217 |
| Apr | 1.9558 | 7.6267 | 27.450 | 7.4656 | 307.37 | 4.1853 | 4.4620 | 9.0329 | 0.82520 | 1.4831 |
| May | 1.9558 | 7.5952 | 27.437 | 7.4641 | 304.58 | 4.1800 | 4.4237 | 9.0298 | 0.81535 | 1.4755 |
| June | 1.9558 | 7.5770 | 27.450 | 7.4588 | 305.87 | 4.1352 | 4.3930 | 9.0914 | 0.80409 | 1.4517 |
| July | 1.9558 | 7.6146 | 27.458 | 7.4564 | 309.81 | 4.1444 | 4.4098 | 9.2327 | 0.79310 | 1.4420 |
| Aug | 1.9558 | 7.6326 | 27.816 | 7.4551 | 313.91 | 4.1919 | 4.4252 | 9.1978 | 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 |

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

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

| and non-European countries | | | | | | | | | | | |
|----------------------------|---------------------|---------------------------|----------------------|------------------|-----------------------|------------------------|------------------|----------------------|-----------------------|--|----------|
| Brazil | Canada | China | Hong Kong | India | Indonesia | Israel | Japan | Korea, Republic of | Malaysia | | Period |
| Brazilian real BRL | Canadian dollar CAD | Chinese yuan renminbi CNY | Hong Kong dollar HKD | Indian rupee INR | Indonesian rupiah IDR | New Israeli sheqel ILS | Japanese yen JPY | South Korean won KRW | Malaysian ringgit MYR | | |
| 2.3946 | 1.3794 | 8.7994 | 10.7333 | 65.5964 | 12,118.49 | 5.0788 | 105.75 | 1,544.04 | 4.2456 | | 2011 Sep |
| 2.4336 | 1.3981 | 8.7308 | 10.6616 | 67.5519 | 12,150.54 | 5.0253 | 105.06 | 1,578.17 | 4.2963 | | Oct |
| 2.4210 | 1.3897 | 8.6154 | 10.5495 | 68.8330 | 12,214.99 | 5.0521 | 105.02 | 1,537.42 | 4.2756 | | Nov |
| 2.4175 | 1.3481 | 8.3563 | 10.2496 | 69.2066 | 11,965.40 | 4.9725 | 102.55 | 1,513.26 | 4.1639 | | Dec |
| 2.3084 | 1.3073 | 8.1465 | 10.0187 | 66.0601 | 11,709.25 | 4.9141 | 99.33 | 1,474.96 | 4.0151 | | 2012 Jan |
| 2.2729 | 1.3193 | 8.3314 | 10.2553 | 65.0589 | 11,913.51 | 4.9474 | 103.77 | 1,485.58 | 3.9978 | | Feb |
| 2.3674 | 1.3121 | 8.3326 | 10.2474 | 66.5399 | 12,082.50 | 4.9679 | 108.88 | 1,487.83 | 4.0229 | | Mar |
| 2.4405 | 1.3068 | 8.2921 | 10.2163 | 68.1939 | 12,068.69 | 4.9362 | 107.00 | 1,495.40 | 4.0277 | | Apr |
| 2.5357 | 1.2916 | 8.0806 | 9.9291 | 69.6407 | 11,913.51 | 4.8974 | 101.97 | 1,481.36 | 3.9688 | | May |
| 2.5658 | 1.2874 | 7.9676 | 9.7192 | 70.1673 | 11,830.22 | 4.8763 | 99.26 | 1,458.61 | 3.9836 | | June |
| 2.4914 | 1.2461 | 7.8288 | 9.5308 | 68.1061 | 11,605.16 | 4.9042 | 97.07 | 1,404.11 | 3.8914 | | July |
| 2.5170 | 1.2315 | 7.8864 | 9.6177 | 68.8632 | 11,777.55 | 4.9779 | 97.58 | 1,403.93 | 3.8643 | | Aug |
| 2.6066 | 1.2583 | 8.1273 | 9.9686 | 70.0452 | 12,287.93 | 5.0717 | 100.49 | 1,444.65 | 3.9599 | | Sep |
| 2.6333 | 1.2801 | 8.1390 | 10.0574 | 68.8589 | 12,457.30 | 4.9976 | 102.47 | 1,435.37 | 3.9649 | | Oct |
| 2.6512 | 1.2787 | 7.9998 | 9.9423 | 70.3250 | 12,343.83 | 4.9970 | 103.94 | 1,395.13 | 3.9230 | | Nov |
| 2.7264 | 1.2984 | 8.1809 | 10.1679 | 71.6946 | 12,643.37 | 4.9570 | 109.71 | 1,411.41 | 4.0075 | | Dec |
| 2.6993 | 1.3189 | 8.2698 | 10.3027 | 72.0716 | 12,837.99 | 4.9706 | 118.34 | 1,417.69 | 4.0413 | | 2013 Jan |
| 2.6354 | 1.3477 | 8.3282 | 10.3608 | 71.9342 | 12,933.75 | 4.9359 | 124.40 | 1,452.82 | 4.1403 | | Feb |
| 2.5694 | 1.3285 | 8.0599 | 10.0588 | 70.5579 | 12,590.61 | 4.7769 | 122.99 | 1,430.31 | 4.0309 | | Mar |
| 2.6060 | 1.3268 | 8.0564 | 10.1110 | 70.7738 | 12,664.51 | 4.7164 | 127.54 | 1,460.89 | 3.9686 | | Apr |
| 2.6414 | 1.3257 | 7.9715 | 10.0766 | 71.4760 | 12,673.13 | 4.7223 | 131.13 | 1,444.56 | 3.9200 | | May |
| 2.8613 | 1.3596 | 8.0905 | 10.2349 | 77.0284 | 13,033.31 | 4.7865 | 128.40 | 1,498.33 | 4.1488 | | June |
| 2.9438 | 1.3619 | 8.0234 | 10.1455 | 78.1762 | 13,189.17 | 4.7153 | 130.39 | 1,473.35 | 4.1746 | | July |
| 3.1170 | 1.3853 | 8.1477 | 10.3223 | 83.9480 | 14,168.72 | 4.7610 | 130.34 | 1,485.93 | 4.3631 | | Aug |
| 3.0345 | 1.3817 | 8.1690 | 10.3504 | 85.2678 | 15,073.16 | 4.7636 | 132.41 | 1,446.60 | 4.3410 | | Sep |
| 2.9860 | 1.4128 | 8.3226 | 10.5724 | 84.0071 | 15,109.54 | 4.8232 | 133.32 | 1,454.73 | 4.3283 | | Oct |
| 3.0959 | 1.4145 | 8.2221 | 10.4604 | 84.4990 | 15,575.06 | 4.7711 | 134.97 | 1,434.06 | 4.3176 | | Nov |
| 3.2133 | 1.4580 | 8.3248 | 10.6254 | 84.7631 | 16,455.73 | 4.8019 | 141.68 | 1,446.99 | 4.4517 | | Dec |
| 3.2437 | 1.4884 | 8.2368 | 10.5586 | 84.5099 | 16,471.94 | 4.7569 | 141.47 | 1,453.94 | 4.5005 | | 2014 Jan |
| 3.2581 | 1.5094 | 8.3062 | 10.6012 | 84.9503 | 16,270.18 | 4.8043 | 139.35 | 1,462.51 | 4.5194 | | Feb |
| 3.2187 | 1.5352 | 8.5332 | 10.7283 | 84.2990 | 15,785.89 | 4.8087 | 141.48 | 1,479.99 | 4.5361 | | Mar |
| 3.0864 | 1.5181 | 8.5984 | 10.7107 | 83.3624 | 15,801.66 | 4.8010 | 141.62 | 1,441.28 | 4.4989 | | Apr |
| 3.0512 | 1.4951 | 8.5658 | 10.6456 | 81.4318 | 15,830.12 | 4.7600 | 139.74 | 1,407.13 | 4.4337 | | May |
| 3.0388 | 1.4728 | 8.4698 | 10.5365 | 81.2046 | 16,167.87 | 4.6966 | 138.72 | 1,385.45 | 4.3760 | | June |
| 3.0109 | 1.4524 | 8.3940 | 10.4935 | 81.3058 | 15,789.65 | 4.6325 | 137.72 | 1,382.29 | 4.3100 | | July |
| 3.0219 | 1.4548 | 8.1965 | 10.3207 | 81.0709 | 15,603.10 | 4.6569 | 137.11 | 1,364.17 | 4.2310 | | Aug |
| 3.0089 | 1.4196 | 7.9207 | 10.0019 | 78.5676 | 15,362.85 | 4.6896 | 138.39 | 1,336.02 | 4.1522 | | Sep |
| 3.1018 | 1.4214 | 7.7635 | 9.8309 | 77.7896 | 15,389.80 | 4.7249 | 136.85 | 1,345.25 | 4.1436 | | Oct |
| 3.1829 | 1.4136 | 7.6411 | 9.6716 | 76.9566 | 15,177.15 | 4.7783 | 145.03 | 1,370.36 | 4.1747 | | Nov |
| 3.2499 | 1.4216 | 7.6330 | 9.5626 | 77.3781 | 15,351.19 | 4.8503 | 147.06 | 1,359.97 | 4.2903 | | Dec |
| 3.0639 | 1.4039 | 7.2269 | 9.0102 | 72.2141 | 14,617.69 | 4.5856 | 137.47 | 1,266.19 | 4.1648 | | 2015 Jan |
| 3.1977 | 1.4199 | 7.0960 | 8.8020 | 70.4356 | 14,504.28 | 4.4192 | 134.69 | 1,250.50 | 4.0822 | | Feb |
| 3.3997 | 1.3661 | 6.7623 | 8.4081 | 67.7387 | 14,152.16 | 4.3325 | 130.41 | 1,205.92 | 3.9889 | | Mar |
| 3.2800 | 1.3313 | 6.6863 | 8.3550 | 67.6432 | 13,950.49 | 4.2456 | 128.94 | 1,170.32 | 3.9118 | | Apr |
| 3.4105 | 1.3568 | 6.9165 | 8.6436 | 71.1153 | 14,650.36 | 4.3086 | 134.75 | 1,220.20 | 4.0191 | | May |
| 3.4941 | 1.3854 | 6.9587 | 8.6935 | 71.5873 | 14,919.43 | 4.2891 | 138.74 | 1,248.79 | 4.1949 | | June |
| 3.5405 | 1.4124 | 6.8269 | 8.5236 | 69.9960 | 14,720.40 | 4.1679 | 135.68 | 1,260.75 | 4.1824 | | July |
| 3.9118 | 1.4637 | 7.0626 | 8.6358 | 72.5361 | 15,370.92 | 4.2836 | 137.12 | 1,313.48 | 4.5297 | | Aug |
| 4.3666 | 1.4882 | 7.1462 | 8.6966 | 74.2990 | 16,175.76 | 4.3917 | 134.85 | 1,329.94 | 4.8286 | | Sep |
| 4.3599 | 1.4685 | 7.1346 | 8.7073 | 73.1116 | 15,482.55 | 4.3414 | 134.84 | 1,286.06 | 4.7818 | | Oct |
| 4.0601 | 1.4248 | 6.8398 | 8.3211 | 71.0406 | 14,685.99 | 4.1760 | 131.60 | 1,239.19 | 4.6328 | | Nov |
| 4.2145 | 1.4904 | 7.0193 | 8.4307 | 72.3851 | 15,087.43 | 4.2199 | 132.36 | 1,277.56 | 4.6615 | | Dec |
| 4.4021 | 1.5447 | 7.1393 | 8.4509 | 73.2036 | 15,069.76 | 4.2903 | 128.32 | 1,307.56 | 4.7162 | | 2016 Jan |
| 4.3953 | 1.5317 | 7.2658 | 8.6333 | 75.7172 | 14,985.33 | 4.3336 | 127.35 | 1,349.77 | 4.6411 | | Feb |
| 4.1195 | 1.4697 | 7.2220 | 8.6152 | 74.3018 | 14,629.58 | 4.2927 | 125.39 | 1,314.89 | 4.5167 | | Mar |
| 4.0374 | 1.4559 | 7.3461 | 8.7954 | 75.3823 | 14,932.22 | 4.2812 | 124.29 | 1,300.58 | 4.4232 | | Apr |
| 3.9983 | 1.4626 | 7.3864 | 8.7815 | 75.7016 | 15,188.82 | 4.3115 | 123.21 | 1,329.46 | 4.5755 | | May |
| 3.8570 | 1.4477 | 7.4023 | 8.7162 | 75.5592 | 14,969.03 | 4.3323 | 118.45 | 1,310.59 | 4.5760 | | June |
| 3.6263 | 1.4428 | 7.3910 | 8.5858 | 74.3738 | 14,520.91 | 4.2686 | 115.25 | 1,264.05 | 4.4471 | | July |
| 3.5983 | 1.4557 | 7.4537 | 8.6961 | 75.0303 | 14,757.31 | 4.2559 | 113.49 | 1,245.55 | 4.5141 | | Aug |
| 3.6436 | 1.4677 | 7.4819 | 8.6964 | 74.8220 | 14,697.52 | 4.2210 | 114.22 | 1,244.12 | 4.6108 | | Sep |

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

2 Monthly averages + (cont'd)

EUR 1 = CU ...

| Period | Other European and non-European countries (cont'd) | | | | | | | | | | |
|----------|----------------------------------------------------|---------------------------------------------|-------------------------------------|---------------------------------------|------------------------------------------------|-----------------------------------------|----------------------------------------------|-----------------------------------|------------------------------|-------------------------------|--------------------------------------|
| | Mexico Mexican peso MXN | New Zealand New Zealand dollar NZD | Norway Norwegian krone NOK | Philippines Philippine peso PHP | Russian Federation Russian rouble RUB | Singapore Singapore dollar SGD | South Africa South African rand ZAR | Switzerland Swiss franc CHF | Thailand Thai baht THB | Turkey Turkish lira TRY | United States US dollar USD |
| 2011 Sep | 17.9370 | 1.6932 | 7.7243 | 59.322 | 42.3239 | 1.7229 | 10.3956 | 1.2005 | 41.902 | 2.4736 | 1.3770 |
| Oct | 18.4315 | 1.7361 | 7.7474 | 59.412 | 42.8569 | 1.7493 | 10.9188 | 1.2295 | 42.297 | 2.5089 | 1.3706 |
| Nov | 18.5646 | 1.7584 | 7.7868 | 58.743 | 41.8082 | 1.7476 | 11.0547 | 1.2307 | 41.969 | 2.4565 | 1.3556 |
| Dec | 18.1174 | 1.7102 | 7.7451 | 57.537 | 41.5686 | 1.7070 | 10.7829 | 1.2276 | 41.099 | 2.4632 | 1.3179 |
| 2012 Jan | 17.3140 | 1.6132 | 7.6752 | 56.208 | 40.4394 | 1.6510 | 10.3405 | 1.2108 | 40.718 | 2.3759 | 1.2905 |
| Feb | 16.9159 | 1.5845 | 7.5522 | 56.419 | 39.4232 | 1.6585 | 10.1289 | 1.2071 | 40.614 | 2.3264 | 1.3224 |
| Mar | 16.8239 | 1.6104 | 7.5315 | 56.634 | 38.7804 | 1.6624 | 10.0475 | 1.2061 | 40.557 | 2.3631 | 1.3201 |
| Apr | 17.1900 | 1.6095 | 7.5698 | 56.145 | 38.8087 | 1.6459 | 10.3060 | 1.2023 | 40.639 | 2.3520 | 1.3162 |
| May | 17.4237 | 1.6538 | 7.5655 | 54.908 | 39.5585 | 1.6152 | 10.4412 | 1.2012 | 40.077 | 2.3149 | 1.2789 |
| June | 17.4529 | 1.6062 | 7.5401 | 53.510 | 41.1766 | 1.6016 | 10.5050 | 1.2011 | 39.640 | 2.2837 | 1.2526 |
| July | 16.4263 | 1.5390 | 7.4579 | 51.452 | 39.9467 | 1.5494 | 10.1379 | 1.2011 | 38.873 | 2.2281 | 1.2288 |
| Aug | 16.3600 | 1.5306 | 7.3239 | 52.173 | 39.6334 | 1.5480 | 10.2585 | 1.2011 | 38.974 | 2.2291 | 1.2400 |
| Sep | 16.6413 | 1.5721 | 7.3945 | 53.629 | 40.4006 | 1.5837 | 10.6512 | 1.2089 | 39.842 | 2.3177 | 1.2856 |
| Oct | 16.7207 | 1.5817 | 7.4076 | 53.691 | 40.3558 | 1.5879 | 11.2215 | 1.2098 | 39.811 | 2.3384 | 1.2974 |
| Nov | 16.7689 | 1.5660 | 7.3371 | 52.716 | 40.2505 | 1.5695 | 11.2986 | 1.2052 | 39.391 | 2.3010 | 1.2828 |
| Dec | 16.8664 | 1.5777 | 7.3503 | 53.796 | 40.3114 | 1.6009 | 11.3179 | 1.2091 | 40.187 | 2.3439 | 1.3119 |
| 2013 Jan | 16.8760 | 1.5877 | 7.3821 | 54.105 | 40.1847 | 1.6326 | 11.6957 | 1.2288 | 39.924 | 2.3543 | 1.3288 |
| Feb | 16.9872 | 1.5929 | 7.4232 | 54.355 | 40.3342 | 1.6546 | 11.8796 | 1.2298 | 39.839 | 2.3738 | 1.3359 |
| Mar | 16.2322 | 1.5657 | 7.4863 | 52.813 | 39.9332 | 1.6164 | 11.9169 | 1.2266 | 38.264 | 2.3453 | 1.2964 |
| Apr | 15.8895 | 1.5348 | 7.5444 | 53.649 | 40.7995 | 1.6120 | 11.8592 | 1.2199 | 37.857 | 2.3406 | 1.3026 |
| May | 15.9776 | 1.5774 | 7.5589 | 53.693 | 40.6842 | 1.6219 | 12.1798 | 1.2418 | 38.667 | 2.3739 | 1.2982 |
| June | 17.0716 | 1.6682 | 7.7394 | 56.658 | 42.6490 | 1.6613 | 13.2088 | 1.2322 | 40.664 | 2.5028 | 1.3189 |
| July | 16.6893 | 1.6590 | 7.8837 | 56.698 | 42.8590 | 1.6595 | 12.9674 | 1.2366 | 40.714 | 2.5274 | 1.3080 |
| Aug | 17.1996 | 1.6829 | 7.9386 | 58.471 | 43.9748 | 1.6941 | 13.4190 | 1.2338 | 42.072 | 2.6125 | 1.3310 |
| Sep | 17.4471 | 1.6406 | 7.9725 | 58.346 | 43.5144 | 1.6860 | 13.3287 | 1.2338 | 42.312 | 2.6952 | 1.3348 |
| Oct | 17.7413 | 1.6351 | 8.1208 | 58.809 | 43.7440 | 1.6956 | 13.5283 | 1.2316 | 42.549 | 2.7095 | 1.3635 |
| Nov | 17.6340 | 1.6327 | 8.2055 | 58.811 | 44.1581 | 1.6833 | 13.7626 | 1.2316 | 42.695 | 2.7316 | 1.3493 |
| Dec | 17.8278 | 1.6659 | 8.4053 | 60.552 | 45.0628 | 1.7244 | 14.2234 | 1.2245 | 44.323 | 2.8276 | 1.3704 |
| 2014 Jan | 17.9964 | 1.6450 | 8.3927 | 61.263 | 46.0304 | 1.7327 | 14.8242 | 1.2317 | 44.822 | 3.0297 | 1.3610 |
| Feb | 18.1561 | 1.6466 | 8.3562 | 61.238 | 48.2554 | 1.7295 | 14.9820 | 1.2212 | 44.568 | 3.0184 | 1.3659 |
| Mar | 18.2447 | 1.6199 | 8.2906 | 61.901 | 49.9477 | 1.7513 | 14.8613 | 1.2177 | 44.765 | 3.0629 | 1.3823 |
| Apr | 18.0485 | 1.6049 | 8.2506 | 61.646 | 49.2978 | 1.7345 | 14.5815 | 1.2189 | 44.657 | 2.9393 | 1.3813 |
| May | 17.7620 | 1.5957 | 8.1513 | 60.258 | 47.8403 | 1.7189 | 14.2995 | 1.2204 | 44.686 | 2.8736 | 1.3732 |
| June | 17.6516 | 1.5769 | 8.2149 | 59.543 | 46.7509 | 1.7008 | 14.5094 | 1.2181 | 44.195 | 2.8808 | 1.3592 |
| July | 17.5834 | 1.5578 | 8.3880 | 58.844 | 46.9984 | 1.6825 | 14.4366 | 1.2150 | 43.470 | 2.8699 | 1.3539 |
| Aug | 17.5051 | 1.5783 | 8.2522 | 58.320 | 48.1781 | 1.6622 | 14.2052 | 1.2118 | 42.644 | 2.8784 | 1.3316 |
| Sep | 17.0717 | 1.5841 | 8.1798 | 57.033 | 49.0519 | 1.6295 | 14.1578 | 1.2076 | 41.536 | 2.8543 | 1.2901 |
| Oct | 17.0713 | 1.6090 | 8.3136 | 56.807 | 51.9380 | 1.6154 | 14.0266 | 1.2078 | 41.139 | 2.8577 | 1.2673 |
| Nov | 16.9850 | 1.5928 | 8.4912 | 56.101 | 57.5193 | 1.6173 | 13.8359 | 1.2027 | 40.908 | 2.7885 | 1.2472 |
| Dec | 17.8692 | 1.5874 | 8.9802 | 55.092 | 70.3269 | 1.6213 | 14.1582 | 1.2026 | 40.564 | 2.8304 | 1.2331 |
| 2015 Jan | 17.0782 | 1.5213 | 8.9320 | 51.791 | 75.0459 | 1.5545 | 13.4598 | 1.0940 | 38.056 | 2.7153 | 1.1621 |
| Feb | 16.9310 | 1.5236 | 8.6188 | 50.174 | 73.0742 | 1.5382 | 13.1532 | 1.0618 | 36.963 | 2.7958 | 1.1350 |
| Mar | 16.4941 | 1.4506 | 8.6434 | 48.227 | 65.1401 | 1.4913 | 13.0756 | 1.0608 | 35.355 | 2.8077 | 1.0838 |
| Apr | 16.4288 | 1.4217 | 8.5057 | 47.863 | 56.7415 | 1.4539 | 12.9588 | 1.0379 | 35.072 | 2.8743 | 1.0779 |
| May | 17.0378 | 1.5112 | 8.4103 | 49.741 | 56.3735 | 1.4882 | 13.3506 | 1.0391 | 37.408 | 2.9491 | 1.1150 |
| June | 17.3467 | 1.6046 | 8.7550 | 50.508 | 61.2390 | 1.5091 | 13.7965 | 1.0455 | 37.818 | 3.0299 | 1.1213 |
| July | 17.5297 | 1.6542 | 8.9357 | 49.814 | 63.2077 | 1.4972 | 13.6973 | 1.0492 | 37.760 | 2.9705 | 1.0996 |
| Aug | 18.4333 | 1.7001 | 9.1815 | 51.536 | 73.3597 | 1.5573 | 14.3821 | 1.0777 | 39.465 | 3.1826 | 1.1139 |
| Sep | 18.8821 | 1.7714 | 9.3075 | 52.456 | 74.8040 | 1.5879 | 15.3065 | 1.0913 | 40.426 | 3.3835 | 1.1221 |
| Oct | 18.6216 | 1.6794 | 9.2892 | 52.070 | 70.9490 | 1.5731 | 15.1579 | 1.0882 | 40.092 | 3.2887 | 1.1235 |
| Nov | 17.8605 | 1.6365 | 9.2572 | 50.537 | 69.7899 | 1.5181 | 15.1743 | 1.0833 | 38.432 | 3.0849 | 1.0736 |
| Dec | 18.5500 | 1.6133 | 9.4642 | 51.337 | 76.3576 | 1.5321 | 16.3210 | 1.0827 | 39.162 | 3.1800 | 1.0877 |
| 2016 Jan | 19.6039 | 1.6654 | 9.5899 | 51.654 | 83.8638 | 1.5561 | 17.7592 | 1.0941 | 39.249 | 3.2713 | 1.0860 |
| Feb | 20.4826 | 1.6732 | 9.5628 | 52.816 | 85.6158 | 1.5596 | 17.4987 | 1.1018 | 39.507 | 3.2638 | 1.1093 |
| Mar | 19.5943 | 1.6481 | 9.4300 | 51.722 | 77.9394 | 1.5247 | 17.1222 | 1.0920 | 39.089 | 3.2072 | 1.1100 |
| Apr | 19.8402 | 1.6458 | 9.3224 | 52.598 | 75.4333 | 1.5308 | 16.5695 | 1.0930 | 39.780 | 3.2135 | 1.1339 |
| May | 20.4956 | 1.6628 | 9.3036 | 52.951 | 74.4745 | 1.5494 | 17.3357 | 1.1059 | 40.064 | 3.3230 | 1.1311 |
| June | 20.9430 | 1.5955 | 9.3278 | 52.172 | 73.1466 | 1.5205 | 16.9371 | 1.0894 | 39.624 | 3.2737 | 1.1229 |
| July | 20.5453 | 1.5514 | 9.3690 | 52.102 | 71.2417 | 1.4949 | 15.9449 | 1.0867 | 38.794 | 3.2786 | 1.1069 |
| Aug | 20.7136 | 1.5491 | 9.3030 | 52.254 | 72.7952 | 1.5106 | 15.4198 | 1.0881 | 38.916 | 3.3206 | 1.1212 |
| Sep | 21.5034 | 1.5328 | 9.1971 | 53.359 | 72.2387 | 1.5240 | 15.7305 | 1.0919 | 38.935 | 3.3284 | 1.1212 |

* 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 | Czech Republic | Denmark | Estonia | Hungary | Latvia | Lithuania |
| | Bulgarian lev BGN | Kuna HRK 1 | Cyprus pound CYP 2 | Czech koruna CZK | Danish krone DKK | Estonian kroon EEK 2 | Hungarian forint HUF | Latvian lats LVL 2 | Lithuanian litas LTL 2 |
| End of year | | | | | | | | | |
| 2002 | 1.9546 | 7.4750 | 0.57316 | 31.577 | 7.4288 | 15.6466 | 236.29 | 0.6140 | 3.4525 |
| 2003 | 1.9557 | 7.6451 | 0.58637 | 32.410 | 7.4450 | 15.6466 | 262.50 | 0.6725 | 3.4524 |
| 2004 | 1.9559 | 7.6650 | 0.58000 | 30.464 | 7.4388 | 15.6466 | 245.97 | 0.6979 | 3.4528 |
| 2005 | 1.9563 | 7.3715 | 0.57350 | 29.000 | 7.4605 | 15.6466 | 252.87 | 0.6962 | 3.4528 |
| 2006 | 1.9558 | 7.3504 | 0.57820 | 27.485 | 7.4560 | 15.6466 | 251.77 | 0.6972 | 3.4528 |
| 2007 | 1.9558 | 7.3308 | 0.585274 | 26.628 | 7.4583 | 15.6466 | 253.73 | 0.6964 | 3.4528 |
| 2008 | 1.9558 | 7.3555 | – | 26.875 | 7.4506 | 15.6466 | 266.70 | 0.7083 | 3.4528 |
| 2009 | 1.9558 | 7.3000 | – | 26.473 | 7.4418 | 15.6466 | 270.42 | 0.7093 | 3.4528 |
| 2010 | 1.9558 | 7.3830 | – | 25.061 | 7.4535 | 15.6466 | 277.95 | 0.7094 | 3.4528 |
| 2011 | 1.9558 | 7.5370 | – | 25.787 | 7.4342 | – | 314.58 | 0.6995 | 3.4528 |
| 2012 | 1.9558 | 7.5575 | – | 25.151 | 7.4610 | – | 292.30 | 0.6977 | 3.4528 |
| 2013 | 1.9558 | 7.6265 | – | 27.427 | 7.4593 | – | 297.04 | 0.702804 | 3.4528 |
| 2014 | 1.9558 | 7.6580 | – | 27.735 | 7.4453 | – | 315.54 | – | 3.4528 |
| 2015 | 1.9558 | 7.6380 | – | 27.023 | 7.4626 | – | 315.98 | – | – |
| Annual averages + | | | | | | | | | |
| 2002 | 1.9492 | 7.4130 | 0.57530 | 30.804 | 7.4305 | 15.6466 | 242.96 | 0.5810 | 3.4594 |
| 2003 | 1.9490 | 7.5688 | 0.58409 | 31.846 | 7.4307 | 15.6466 | 253.62 | 0.6407 | 3.4527 |
| 2004 | 1.9533 | 7.4967 | 0.58185 | 31.891 | 7.4399 | 15.6466 | 251.66 | 0.6652 | 3.4529 |
| 2005 | 1.9558 | 7.4008 | 0.57683 | 29.782 | 7.4518 | 15.6466 | 248.05 | 0.6962 | 3.4528 |
| 2006 | 1.9558 | 7.3247 | 0.57578 | 28.342 | 7.4591 | 15.6466 | 264.26 | 0.6962 | 3.4528 |
| 2007 | 1.9558 | 7.3376 | 0.58263 | 27.766 | 7.4506 | 15.6466 | 251.35 | 0.7001 | 3.4528 |
| 2008 | 1.9558 | 7.2239 | – | 24.946 | 7.4560 | 15.6466 | 251.51 | 0.7027 | 3.4528 |
| 2009 | 1.9558 | 7.3400 | – | 26.435 | 7.4462 | 15.6466 | 280.33 | 0.7057 | 3.4528 |
| 2010 | 1.9558 | 7.2891 | – | 25.284 | 7.4473 | 15.6466 | 275.48 | 0.7087 | 3.4528 |
| 2011 | 1.9558 | 7.4390 | – | 24.590 | 7.4506 | – | 279.37 | 0.7063 | 3.4528 |
| 2012 | 1.9558 | 7.5217 | – | 25.149 | 7.4437 | – | 289.25 | 0.6973 | 3.4528 |
| 2013 | 1.9558 | 7.5786 | – | 25.980 | 7.4579 | – | 296.87 | 0.7015 | 3.4528 |
| 2014 | 1.9558 | 7.6344 | – | 27.536 | 7.4548 | – | 308.71 | – | 3.4528 |
| 2015 | 1.9558 | 7.6137 | – | 27.279 | 7.4587 | – | 310.00 | – | – |

| EU member countries (cont'd) | | | | | | | Other European and non-European countries | | | | |
|------------------------------|---------------------|------------------------------------------|---------------------------|-----------------------------|-------------------------|--------------------------|-------------------------------------------|-------------------------|---------------------------|--------|--------|
| Malta | Poland | Romania | Slovakia | Slovenia | Sweden | United Kingdom | Australia | Brazil | Canada | | |
| Maltese lira MTL 2 | Polish zloty PLN | Romanian leu (old)/(new) ROL/RON 3 | Slovak koruna SKK 2 | Slovenian tolar SIT 2 | Swedish krona SEK | Pound sterling GBP | Australian dollar AUD | Brazilian real BRL 4 | Canadian dollar CAD | | |
| End of year | | | | | | | | | | | |
| 2002 | 0.4182 | 4.0210 | 35,135 | 41.503 | 230.1577 | 9.1528 | 0.65050 | 1.8556 | 3.7124 | 1.6550 | |
| 2003 | 0.4317 | 4.7019 | 41,158 | 41.170 | 236.7000 | 9.0800 | 0.70480 | 1.6802 | 3.6698 | 1.6234 | |
| 2004 | 0.4343 | 4.0845 | 39,390 | 38.745 | 239.7600 | 9.0206 | 0.70500 | 1.7459 | 3.6201 | 1.6416 | |
| 2005 | 0.4293 | 3.8600 | 3 | 3.6802 | 37.880 | 239.5000 | 9.3885 | 0.68530 | 1.6109 | 2.7462 | 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 | |
| Annual averages + | | | | | | | | | | | |
| 2002 | 0.4089 | 3.8574 | 31,270 | 42.694 | 225.9772 | 9.1611 | 0.62883 | 1.7376 | 2.7896 | 1.4838 | |
| 2003 | 0.4261 | 4.3996 | 37,551 | 41.489 | 233.8493 | 9.1242 | 0.69199 | 1.7379 | 3.4701 | 1.5817 | |
| 2004 | 0.4280 | 4.5268 | 40,510 | 40.022 | 239.0874 | 9.1243 | 0.67866 | 1.6905 | 3.6362 | 1.6167 | |
| 2005 | 0.4299 | 4.0230 | 3 | 3.6209 | 38.599 | 239.5681 | 9.2822 | 0.68380 | 1.6320 | 3.0360 | 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 | |

* See Explanatory notes, p 51. + Averages: Bundesbank calculations based on the daily euro foreign exchange reference rates published by the ECB. 1 Up to March 2005, ECB indicative rates. 2 Accession to the euro area, see p 7 (Table I 1). 3 Currency conversion effective from 1 July 2005: ROL 10,000 = RON 1; to calculate

the annual average for 2005, the rates set in (old) Romanian lei were converted at a rate of 10,000:1 and included in the calculation. 4 Up to December 2007, ECB indicative rates.

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

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

EUR 1 = CU ...

| Other European and non-European countries (cont'd) | | | | | | | | | | |
|----------------------------------------------------|----------------------------------------|----------------------|----------------------------------|-------------------------------|------------------------------------|-------------------------------------|------------------|----------------------|------------------------------------|-------------------------------|
| | China | Hong Kong | Iceland | India | Indonesia | Israel | Japan | Korea, Republic of | Malaysia | Mexico |
| Period | Chinese yuan renminbi CNY ¹ | Hong Kong dollar HKD | Icelandic krona ISK ² | Indian rupee INR ³ | Indonesian rupiah IDR ¹ | New Israeli shekel ILS ⁴ | Japanese yen JPY | South Korean won KRW | Malaysian ringgit MYR ¹ | Mexican peso MXN ⁵ |
| End of year | | | | | | | | | | |
| 2002 | 8.6801 | 8.1781 | 84.74 | 50.2930 | 9,387.21 | 4.9708 | 124.39 | 1,243.76 | 3.9857 | 10.9605 |
| 2003 | 10.4539 | 9.8049 | 89.46 | 57.5780 | 10,643.10 | 5.5424 | 135.05 | 1,506.32 | 4.8019 | 14.1807 |
| 2004 | 11.2741 | 10.5881 | 83.60 | 59.2590 | 12,653.91 | 5.8922 | 139.65 | 1,410.05 | 5.1802 | 15.2235 |
| 2005 | 9.5204 | 9.1474 | 74.57 | 53.1130 | 11,596.45 | 5.4334 | 138.90 | 1,184.42 | 4.4584 | 12.5945 |
| 2006 | 10.2793 | 10.2409 | 93.13 | 58.2180 | 11,844.44 | 5.5677 | 156.93 | 1,224.81 | 4.6490 | 14.2899 |
| 2007 | 10.7524 | 11.4800 | 91.90 | 57.8620 | 13,826.70 | 5.6539 | 164.93 | 1,377.96 | 4.8682 | 16.0732 |
| 2008 | 9.4956 | 10.7858 | 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 |
| Annual averages + | | | | | | | | | | |
| 2002 | 7.8265 | 7.3750 | 86.18 | 45.9248 | 8,785.12 | 4.4800 | 118.06 | 1,175.50 | 3.5933 | 9.1628 |
| 2003 | 9.3626 | 8.8079 | 86.65 | 52.6100 | 9,685.54 | 5.1340 | 130.97 | 1,346.90 | 4.2983 | 12.2144 |
| 2004 | 10.2967 | 9.6881 | 87.14 | 56.3008 | 11,127.34 | 5.5706 | 134.44 | 1,422.62 | 4.7273 | 14.0386 |
| 2005 | 10.1955 | 9.6768 | 78.23 | 54.8117 | 12,072.83 | 5.5807 | 136.85 | 1,273.61 | 4.7119 | 13.5643 |
| 2006 | 10.0096 | 9.7545 | 87.76 | 56.8435 | 11,512.37 | 5.5920 | 146.02 | 1,198.58 | 4.6044 | 13.6936 |
| 2007 | 10.4178 | 10.6912 | 87.63 | 56.4186 | 12,528.33 | 5.6278 | 161.25 | 1,272.99 | 4.7076 | 14.9743 |
| 2008 | 10.2236 | 11.4541 | ² 143.83 | 63.6143 | 14,165.16 | 5.2561 | 152.45 | 1,606.09 | 4.8893 | 16.2911 |
| 2009 | 9.5277 | 10.8114 | – | 67.3611 | 14,443.74 | 5.4668 | 130.34 | 1,772.90 | 4.9079 | 18.7989 |
| 2010 | 8.9712 | 10.2994 | – | 60.5878 | 12,041.70 | 4.9457 | 116.24 | 1,531.82 | 4.2668 | 16.7373 |
| 2011 | 8.9960 | 10.8362 | – | 64.8859 | 12,206.51 | 4.9775 | 110.96 | 1,541.23 | 4.2558 | 17.2877 |
| 2012 | 8.1052 | 9.9663 | – | 68.5973 | 12,045.73 | 4.9536 | 102.49 | 1,447.69 | 3.9672 | 16.9029 |
| 2013 | 8.1646 | 10.3016 | – | 77.9300 | 13,857.50 | 4.7948 | 129.66 | 1,453.91 | 4.1855 | 16.9641 |
| 2014 | 8.1857 | 10.3025 | – | 81.0406 | 15,748.92 | 4.7449 | 140.31 | 1,398.14 | 4.3446 | 17.6550 |
| 2015 | 6.9733 | 8.6014 | – | 71.1956 | 14,870.39 | 4.3122 | 134.31 | 1,256.54 | 4.3373 | 17.6157 |

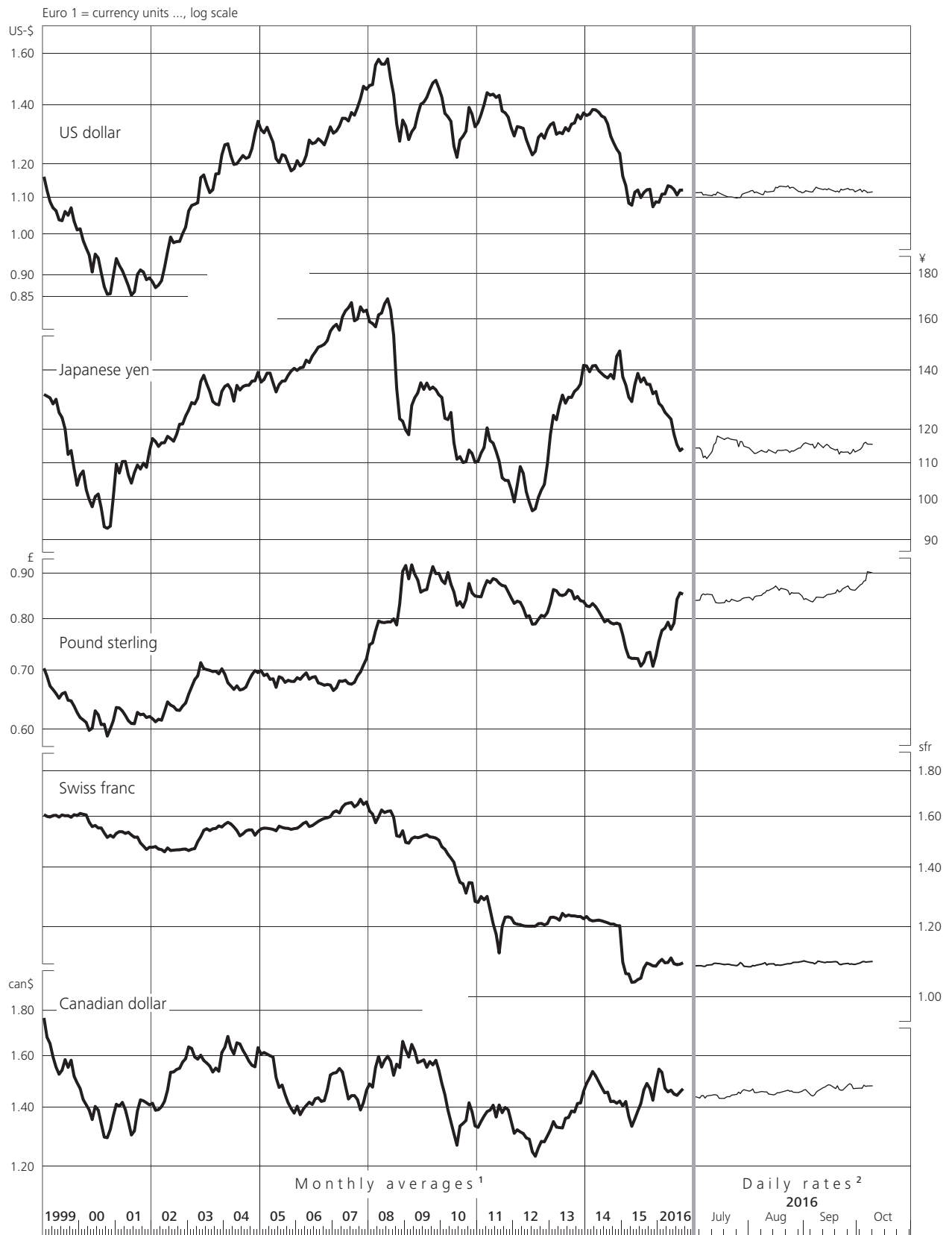
| Other European and non-European countries (cont'd) | | | | | | | | | | |
|----------------------------------------------------|------------------------|---------------------|----------------------------------|---------------------------------|----------------------|------------------------|-----------------|----------------------------|--------------------------------------------------------|---------------|
| | New Zealand | Norway | Philippines | Russian Federation | Singapore | South Africa | Switzerland | Thailand | Turkey | United States |
| Period | New Zealand dollar NZD | Norwegian krona NOK | Philippine peso PHP ¹ | Russian rouble RUB ¹ | Singapore dollar SGD | South African rand ZAR | Swiss franc CHF | Thai baht THB ¹ | Turkish lira / New Turkish lira TRL / TRY ⁶ | US dollar USD |
| End of year | | | | | | | | | | |
| 2002 | 1.9975 | 7.2756 | 56.318 | 33.5108 | 1.8199 | 9.0094 | 1.4524 | 45.237 | 1,738,000 | 1.0487 |
| 2003 | 1.9244 | 8.4141 | 70.171 | 36.9555 | 2.1450 | 8.3276 | 1.5579 | 50.041 | 1,771,638 | 1.2630 |
| 2004 | 1.8871 | 8.2365 | 76.510 | 37.7879 | 2.2262 | 7.6897 | 1.5429 | 53.042 | 1,836,200 | 1.3621 |
| 2005 | 1.7270 | 7.9850 | 62.719 | 33.9200 | 1.9628 | 7.4642 | 1.5551 | 48.437 | ⁶ 1,5924 | 1.1797 |
| 2006 | 1.8725 | 8.2380 | 64.546 | 34.6800 | 2.0202 | 9.2124 | 1.6069 | 46.770 | 1,8640 | 1.3170 |
| 2007 | 1.9024 | 7.9580 | 60.724 | 35.9860 | 2.1163 | 10.0298 | 1.6547 | 43.800 | 1,7170 | 1.4721 |
| 2008 | 2.4191 | 9.7500 | 65.930 | 41.2830 | 2.0040 | 13.0667 | 1.4850 | 48.285 | 2,1488 | 1.3917 |
| 2009 | 1.9803 | 8.3000 | 66.507 | 43.1540 | 2.0194 | 10.6660 | 1.4836 | 47.986 | 2,1547 | 1.4406 |
| 2010 | 1.7200 | 7.8000 | 58.300 | 40.8200 | 1.7136 | 8.8625 | 1.2504 | 40.170 | 2,0694 | 1.3362 |
| 2011 | 1.6737 | 7.7540 | 56.754 | 41.7650 | 1.6819 | 10.4830 | 1.2156 | 40.991 | 2,4432 | 1.2939 |
| 2012 | 1.6045 | 7.3483 | 54.107 | 40.3295 | 1.6111 | 11.1727 | 1.2072 | 40.347 | 2,3551 | 1.3194 |
| 2013 | 1.6762 | 8.3630 | 61.289 | 45.3246 | 1.7414 | 14.5660 | 1.2276 | 45.178 | 2,9605 | 1.3791 |
| 2014 | 1.5525 | 9.0420 | 54.436 | 72.3370 | 1.6058 | 14.0353 | 1.2024 | 39.910 | 2,8320 | 1.2141 |
| 2015 | 1.5923 | 9.6030 | 50.999 | 80.6736 | 1.5417 | 16.9530 | 1.0835 | 39.248 | 3,1765 | 1.0887 |
| Annual averages + | | | | | | | | | | |
| 2002 | 2.0366 | 7.5086 | 48.837 | 29.7028 | 1.6912 | 9.9072 | 1.4670 | 40.637 | 1,439,680 | 0.9456 |
| 2003 | 1.9438 | 8.0033 | 61.336 | 34.6699 | 1.9703 | 8.5317 | 1.5212 | 46.923 | 1,694,851 | 1.1312 |
| 2004 | 1.8731 | 8.3697 | 69.727 | 35.8192 | 2.1016 | 8.0092 | 1.5438 | 50.077 | 1,777,052 | 1.2439 |
| 2005 | 1.7660 | 8.0092 | 68.494 | 35.1884 | 2.0702 | 7.9183 | 1.5483 | 50.068 | ⁶ 1,6771 | 1.2441 |
| 2006 | 1.9373 | 8.0472 | 64.379 | 34.1117 | 1.9941 | 8.5312 | 1.5729 | 47.594 | 1,8090 | 1.2556 |
| 2007 | 1.8627 | 8.0165 | 63.026 | 35.0183 | 2.0636 | 9.6596 | 1.6427 | 44.214 | 1,7865 | 1.3705 |
| 2008 | 2.0770 | 8.2237 | 65.172 | 36.4207 | 2.0762 | 12.0590 | 1.5874 | 48.475 | 1,9064 | 1.4708 |
| 2009 | 2.2121 | 8.7278 | 66.338 | 44.1376 | 2.0241 | 11.6737 | 1.5100 | 47.804 | 2,1631 | 1.3948 |
| 2010 | 1.8377 | 8.0043 | 59.739 | 40.2629 | 1.8055 | 9.6984 | 1.3803 | 42.014 | 1,9965 | 1.3257 |
| 2011 | 1.7600 | 7.7934 | 60.260 | 40.8846 | 1.6819 | 10.0970 | 1.2326 | 42.429 | 2,3378 | 1.3920 |
| 2012 | 1.5867 | 7.4751 | 54.246 | 39.9262 | 1.6055 | 10.5511 | 1.2053 | 39.928 | 2,3135 | 1.2848 |
| 2013 | 1.6206 | 7.8067 | 56.428 | 42.3370 | 1.6619 | 12.8330 | 1.2311 | 40.830 | 2,5335 | 1.3281 |
| 2014 | 1.5995 | 8.3544 | 58.979 | 50.9518 | 1.6823 | 14.4037 | 1.2146 | 43.147 | 2,9065 | 1.3285 |
| 2015 | 1.5930 | 8.9496 | 50.522 | 68.0720 | 1.5255 | 14.1723 | 1.0679 | 38.028 | 3,0255 | 1.1095 |

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

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

II Euro foreign exchange reference rates of the European Central Bank

4 Exchange rates of major currencies



¹ Last monthly average: September 2016. ² Last updated: 10 October 2016.

III Effective exchange rates of the euro *

1 Annual and monthly averages

1999 Q1 = 100

| Period | Effective exchange rate of the euro ¹ | | | | <i>Memo item</i> Indicators of the German economy's price competitiveness based on consumer price indices | | | | | |
|-----------|--------------------------------------------------|------------------------------------------------|---------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------|---------------|---------------|--|
| | EER-19 | | EER-38 | | 26 selected industrial countries | | | 37 countries | 56 countries | |
| | Nominal | Real, based on consumer price indices | Nominal | Real, based on consumer price indices ² | Total | Euro-area countries | Non-euro- area countries | | | |
| | | | | | | | | | | |
| 1999 | 96.3 | 96.0 | 96.5 | 95.8 | 98.2 | 100.1 | 95.9 | 98.0 | 97.7 | |
| 2000 | 87.1 | 86.5 | 87.9 | 85.8 | 92.9 | 99.0 | 85.7 | 91.9 | 90.8 | |
| 2001 | 87.8 | 87.1 | 90.5 | 86.9 | 92.9 | 98.1 | 86.8 | 91.4 | 90.8 | |
| 2002 | 90.1 | 90.2 | 95.0 | 90.5 | 93.5 | 96.9 | 89.6 | 91.9 | 91.7 | |
| 2003 | 100.7 | 101.2 | 106.9 | 101.4 | 97.1 | 95.7 | 99.2 | 96.5 | 96.7 | |
| 2004 | 104.5 | 105.0 | 111.5 | 105.1 | 98.5 | 95.4 | 103.0 | 98.0 | 98.3 | |
| 2005 | 102.9 | 103.5 | 109.5 | 102.5 | 98.5 | 95.2 | 103.4 | 96.9 | 96.6 | |
| 2006 | 102.8 | 103.5 | 109.4 | 101.8 | 98.6 | 94.9 | 104.3 | 96.5 | 95.8 | |
| 2007 | 106.3 | 106.2 | 112.9 | 103.8 | 100.9 | 95.2 | 109.9 | 97.9 | 97.0 | |
| 2008 | 109.4 | 108.3 | 117.1 | 105.8 | 102.2 | 94.6 | 115.0 | 97.8 | 97.1 | |
| 2009 | 110.8 | 109.0 | 120.0 | 106.8 | 101.8 | 94.5 | 113.9 | 98.0 | 97.5 | |
| 2010 | 103.6 | 101.3 | 111.5 | 97.8 | 98.8 | 94.1 | 106.1 | 93.6 | 92.0 | |
| 2011 | 103.3 | 100.2 | 112.2 | 97.2 | 98.2 | 93.7 | 105.1 | 92.8 | 91.3 | |
| 2012 | 97.6 | 95.0 | 107.0 | 92.4 | 95.9 | 93.2 | 99.8 | 89.8 | 88.2 | |
| 2013 | 101.2 | 98.2 | 111.9 | 95.5 | 98.3 | 93.3 | 106.3 | 91.6 | 90.3 | |
| 2014 | 101.8 | 97.8 | 114.7 | 96.0 | 98.5 | 93.6 | 106.2 | 91.8 | 91.0 | |
| 2015 | 92.4 | 88.4 | 106.5 | p 87.8 | 94.7 | 93.6 | 95.9 | 86.9 | p 86.3 | |
| 2012 Nov | 97.0 | 94.4 | 106.7 | 91.8 | 95.8 | 93.1 | 99.7 | 89.4 | 87.8 | |
| 2012 Dec | 98.4 | 95.7 | 108.2 | 93.1 | 96.4 | 93.0 | 101.5 | 90.0 | 88.5 | |
| 2013 Jan | 100.1 | 97.3 | 109.8 | 94.3 | 97.4 | 93.1 | 104.1 | 91.0 | 89.4 | |
| 2013 Feb | 101.3 | 98.3 | 111.0 | 95.1 | 98.0 | 93.1 | 105.7 | 91.5 | 89.8 | |
| 2013 Mar | 99.8 | 97.0 | 109.2 | 93.7 | 97.6 | 93.1 | 104.4 | 90.8 | 89.0 | |
| 2013 Apr | 100.0 | 97.1 | 109.5 | 93.7 | 97.9 | 93.3 | 105.1 | 91.0 | 89.2 | |
| 2013 May | 100.1 | 97.2 | 109.7 | 93.9 | 98.1 | 93.3 | 105.7 | 91.1 | 89.3 | |
| 2013 June | 101.1 | 98.2 | 111.8 | 95.6 | 98.3 | 93.3 | 106.2 | 91.7 | 90.3 | |
| 2013 July | 101.0 | 98.2 | 111.8 | 95.5 | 98.6 | 93.4 | 106.7 | 91.7 | 90.4 | |
| 2013 Aug | 101.7 | 98.7 | 113.3 | 96.6 | 98.6 | 93.3 | 107.0 | 91.9 | 90.9 | |
| 2013 Sep | 101.6 | 98.4 | 113.2 | 96.4 | 98.5 | 93.3 | 106.7 | 91.7 | 90.8 | |
| 2013 Oct | 102.5 | 99.0 | 114.1 | 96.8 | 98.9 | 93.4 | 107.7 | 92.1 | 91.1 | |
| 2013 Nov | 102.2 | 98.7 | 114.1 | 96.6 | 98.8 | 93.5 | 107.4 | 92.1 | 91.1 | |
| 2013 Dec | 103.4 | 99.9 | 115.7 | 98.0 | 99.3 | 93.5 | 108.7 | 92.7 | 91.9 | |
| 2014 Jan | 103.0 | 99.4 | 115.8 | 97.9 | 99.2 | 93.5 | 108.2 | 92.5 | 91.9 | |
| 2014 Feb | 103.2 | 99.6 | 116.3 | 98.2 | 99.0 | 93.5 | 107.9 | 92.6 | 92.0 | |
| 2014 Mar | 104.3 | 100.6 | 117.5 | 99.0 | 99.3 | 93.4 | 108.7 | 93.1 | 92.4 | |
| 2014 Apr | 104.2 | 100.4 | 117.0 | 98.4 | 99.2 | 93.5 | 108.3 | 93.0 | 92.2 | |
| 2014 May | 103.6 | 99.5 | 116.1 | 97.3 | 98.8 | 93.5 | 107.3 | 92.6 | 91.5 | |
| 2014 June | 102.7 | 98.7 | 115.1 | 96.5 | 98.7 | 93.6 | 106.6 | 92.3 | 91.2 | |
| 2014 July | 102.3 | 98.2 | 114.7 | 95.9 | 98.6 | 93.8 | 106.3 | 92.2 | 91.0 | |
| 2014 Aug | 101.5 | 97.4 | 114.0 | 95.3 | 98.4 | 93.8 | 105.7 | 91.8 | 90.7 | |
| 2014 Sep | 99.9 | 95.9 | 112.3 | 93.9 | 98.0 | 93.8 | 104.5 | 91.0 | 89.9 | |
| 2014 Oct | 99.1 | 95.0 | 111.8 | 93.2 | 97.6 | 93.7 | 103.5 | 90.4 | 89.4 | |
| 2014 Nov | 99.0 | 94.9 | 111.9 | 93.2 | 97.7 | 93.6 | 103.9 | 90.3 | 89.5 | |
| 2014 Dec | 99.0 | 94.8 | 113.1 | 93.8 | 97.6 | 93.6 | 103.8 | 90.2 | 89.8 | |
| 2015 Jan | 95.2 | 91.1 | 108.9 | 90.1 | 95.7 | 93.5 | 98.6 | 88.2 | 87.5 | |
| 2015 Feb | 93.3 | 89.5 | 107.0 | 88.7 | 95.2 | 93.7 | 97.1 | 87.5 | 86.8 | |
| 2015 Mar | 90.6 | 86.9 | 103.8 | 85.9 | 94.3 | 93.7 | 94.5 | 86.1 | 85.2 | |
| 2015 Apr | 89.7 | 86.1 | 102.4 | 84.7 | 94.0 | 93.7 | 93.9 | 85.7 | 84.5 | |
| 2015 May | 91.6 | 87.8 | 104.7 | 86.5 | 94.6 | 93.6 | 95.6 | 86.6 | 85.6 | |
| 2015 June | 92.3 | 88.5 | 106.0 | 87.5 | 94.7 | 93.5 | 96.1 | 86.9 | 86.1 | |
| 2015 July | 91.3 | 87.5 | 105.1 | 86.6 | 94.3 | 93.5 | 95.0 | 86.3 | 85.6 | |
| 2015 Aug | 93.0 | 88.9 | 108.1 | 88.9 | 94.9 | 93.6 | 96.4 | 87.2 | 87.0 | |
| 2015 Sep | 93.8 | 89.6 | 109.6 | 90.1 | 95.2 | 93.6 | 97.1 | 87.6 | 87.7 | |
| 2015 Oct | 93.6 | 89.6 | 109.0 | 89.6 | 95.1 | 93.6 | 97.0 | 87.6 | 87.4 | |
| 2015 Nov | 91.1 | 87.1 | 106.0 | p 86.8 | 94.1 | 93.6 | 94.3 | 86.2 | p 85.8 | |
| 2015 Dec | 92.5 | 88.3 | 108.0 | p 88.3 | 94.3 | 93.3 | 95.2 | 86.7 | p 86.5 | |
| 2016 Jan | 93.6 | 89.1 | 109.9 | p 89.6 | 94.5 | 93.4 | 95.7 | 87.2 | p 87.3 | |
| 2016 Feb | 94.7 | 90.0 | 111.3 | p 90.8 | 95.0 | 93.4 | 96.9 | 87.6 | p 87.7 | |
| 2016 Mar | 94.1 | 89.5 | 110.0 | p 89.9 | 95.0 | 93.5 | 96.8 | 87.4 | p 87.3 | |
| 2016 Apr | 94.8 | 90.1 | 110.6 | p 90.2 | 95.4 | 93.6 | 97.6 | 87.9 | p 87.6 | |
| 2016 May | 95.1 | 90.5 | 111.1 | p 90.7 | 95.2 | 93.6 | 97.3 | 88.1 | p 87.9 | |
| 2016 June | 94.7 | 90.2 | 110.5 | p 90.3 | 95.0 | 93.6 | 96.7 | 87.9 | p 87.6 | |
| 2016 July | 94.9 | p 90.4 | 110.2 | p 89.9 | p 95.3 | p 93.6 | p 97.4 | p 88.0 | p 87.4 | |
| 2016 Aug | 95.2 | p 90.6 | 110.6 | p 90.2 | p 95.4 | p 93.5 | p 97.8 | p 88.0 | p 87.4 | |
| 2016 Sep | 95.4 | p 90.7 | 110.9 | p 90.3 | p 95.4 | p 93.5 | p 97.9 | p 88.0 | p 87.5 | |

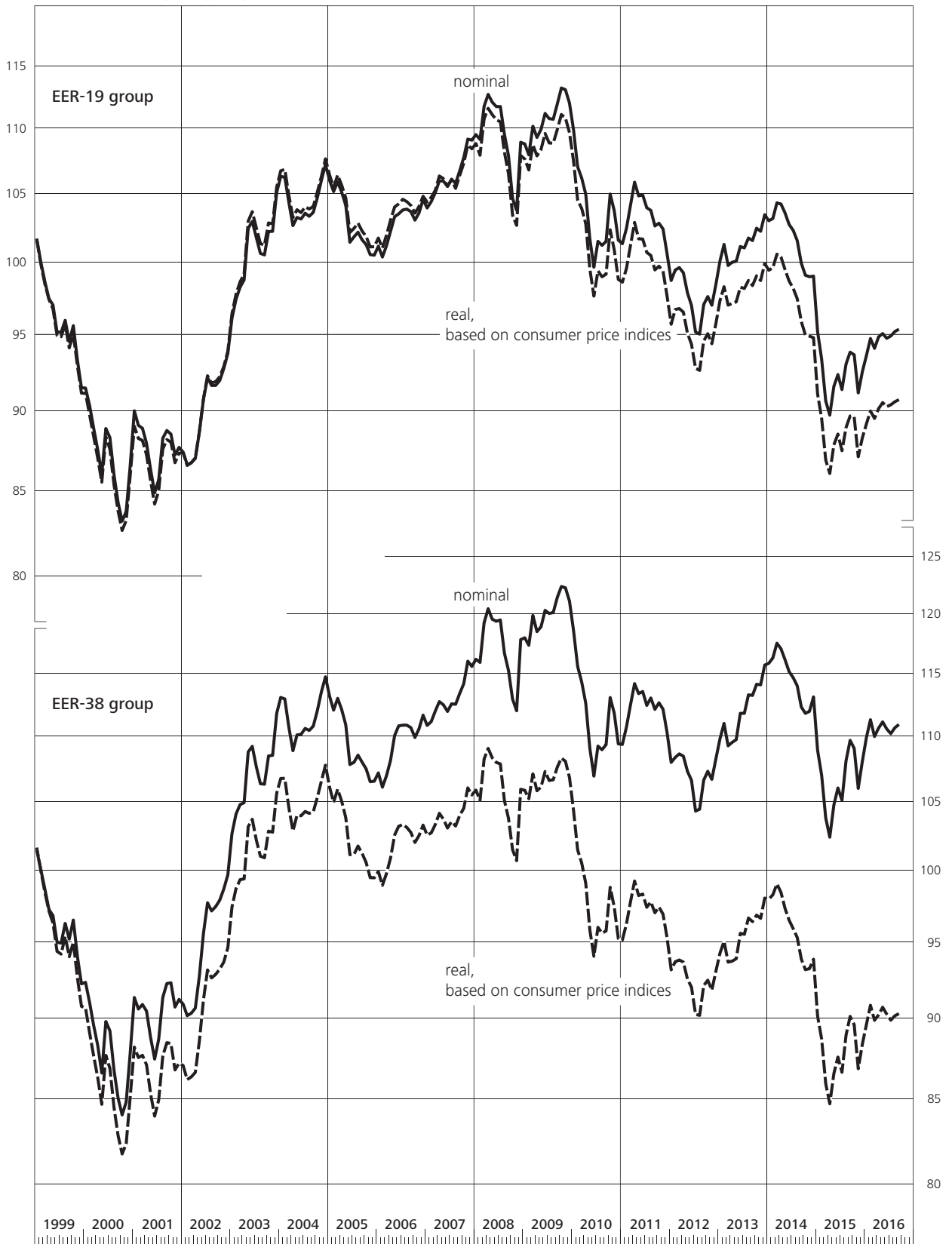
* See Explanatory notes, p 51. ¹ Source: ECB. ² Data for Argentina are currently not available due to the state of emergency in the national statistical system declared by the government of Argentina on 7 January 2016. As a consequence, Argentina is not

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

III Effective exchange rates of the euro *

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

1999 Q1 = 100, monthly averages, log scale



* Source: ECB.

IV Overview of world currencies *

1 Currencies and exchange rates in individual countries

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | | |
|-------------------------------------------------|--------------------------------------|---------------------------------------|-----------|------------------------|----------------------|--------------|----------------|------------|
| | | | | | July 2016 | August 2016 | September 2016 | |
| Afghanistan | | | | | | | | |
| Kabul 660 | Afghani = 100 puls | B | USD 1 = | AFN 61.7100 | AFN 68.5582 | AFN 66.6937 | AFN 65.6163 | |
| | | S | USD 1 = | AFN 61.8100 | AFN 68.6582 | AFN 66.7937 | AFN 65.7163 | |
| | AFN | B | EUR 1 = | AFN 67.8475 | AFN 75.8789 | AFN 74.0465 | AFN 73.1617 | |
| | | S | EUR 1 = | AFN 68.1075 | AFN 76.1389 | AFN 74.3065 | AFN 73.4217 | |
| | Albania | | | | | | | |
| | Tirana 070 | Albanian lek = 100 qindarka ALL | M | USD 1 = | ALL 126.18 | ALL 122.60 | ALL 123.34 | ALL 122.74 |
| M | | | EUR 1 = | ALL 139.77 | ALL 136.18 | ALL 137.52 | ALL 137.33 | |
| Algeria | | | | | | | | |
| Algiers 208 | Algerian dinar = 100 centimes | B | USD 1 = | DZD 100.8401 | DZD 110.3370 | DZD 109.6091 | DZD 109.7784 | |
| | | S | USD 1 = | DZD 100.8551 | DZD 110.3520 | DZD 109.6241 | DZD 109.7934 | |
| | DZD | B | EUR 1 = | DZD 111.6833 | DZD 122.6285 | DZD 122.0278 | DZD 122.5786 | |
| | | S | EUR 1 = | DZD 111.7210 | DZD 122.6562 | DZD 122.0884 | DZD 122.6173 | |
| Angola ¹ | | | | | | | | |
| Luanda 330 | Kwanza = 100 cêntimos | B | USD 1 = | AOA 120.413 | AOA 165.063 | AOA 165.064 | AOA 165.067 | |
| | | S | USD 1 = | AOA 121.617 | AOA 166.714 | AOA 166.715 | AOA 166.718 | |
| | AOA | B | EUR 1 = | AOA 132.888 | AOA 184.459 | AOA 184.461 | AOA 184.464 | |
| | | S | EUR 1 = | AOA 134.187 | AOA 186.268 | AOA 186.269 | AOA 186.272 | |
| Antigua and Barbuda | | | | | | | | |
| St John's 459 | East Caribbean dollar = 100 cents | B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | |
| | | S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | |
| | XCD | V, B | EUR 1 = | XCD 2.9826 | XCD 2.9874 | XCD 2.9925 | XCD 3.0003 | |
| | | V, S | EUR 1 = | XCD 3.0144 | XCD 3.0193 | XCD 3.0245 | XCD 3.0323 | |
| Argentina | | | | | | | | |
| Buenos Aires 528 | Argentine peso = 100 centavos | B | USD 1 = | ARS 9.1681 | ARS 14.9100 | ARS 14.8300 | ARS 15.2100 | |
| | | S | USD 1 = | ARS 9.2681 | ARS 15.0100 | ARS 14.9300 | ARS 15.3100 | |
| | ARS | B | EUR 1 = | ARS 10.1654 | ARS 16.6247 | ARS 16.5206 | ARS 17.0626 | |
| | | S | EUR 1 = | ARS 10.3014 | ARS 16.7737 | ARS 16.6693 | ARS 17.2130 | |
| Armenia | | | | | | | | |
| Yerevan 077 | Armenian dram = 100 luma AMD | M | USD 1 = | AMD 478.20 | AMD 476.13 | AMD 474.75 | AMD 474.46 | |
| | | M | EUR 1 = | AMD 530.02 | AMD 528.98 | AMD 529.11 | AMD 530.26 | |
| Aruba | | | | | | | | |
| Oranjestad 474 | Aruban florin = 100 cent | B | USD 1 = | AWG 1.78 | AWG 1.78 | AWG 1.78 | AWG 1.78 | |
| | | S | USD 1 = | AWG 1.80 | AWG 1.80 | AWG 1.80 | AWG 1.80 | |
| | AWG | B | EUR 100 = | AWG 196.73 | AWG 197.93 | AWG 198.27 | AWG 199.85 | |
| | | S | EUR 100 = | AWG 198.70 | AWG 199.92 | AWG 200.26 | AWG 201.86 | |

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

IV Overview of world currencies *

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

| Country 1 Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|--------------------------------------|-----------------------------------------------|-----------------|---------|------------------------|----------------------|---------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Australia | | | | | | | |
| Canberra 800 | Australian dollar = 100 cents AUD | M | AUD 1 = | USD 0.7508 | USD 0.7522 | USD 0.7514 | USD 0.7630 |
| | | M | AUD 1 = | EUR 0.6763 | EUR 0.6790 | EUR 0.6740 | EUR 0.6802 |
| Austria | | | | | | | |
| Vienna 038 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Azerbaijan | | | | | | | |
| Baku 078 | Azerbaijan manat = 100 qapik AZN | M | USD 1 = | AZN 1.0371 | AZN 1.5851 | AZN 1.6321 | AZN 1.6211 |
| | | M | EUR 1 = | AZN 1.1488 | AZN 1.7564 | AZN 1.8209 | AZN 1.8187 |
| Bahamas | | | | | | | |
| Nassau 453 | Bahamian dollar = 100 cents BSD | B | USD 1 = | BSD 0.9950 | BSD 0.9950 | BSD 0.9950 | BSD 0.9950 |
| | | S | USD 1 = | BSD 1.0125 | BSD 1.0125 | BSD 1.0125 | BSD 1.0125 |
| | | V, B | EUR 1 = | BSD 1.07177 | BSD 1.10574 | BSD 1.10763 | BSD 1.11052 |
| | | V, S | EUR 1 = | BSD 1.13418 | BSD 1.12519 | BSD 1.12712 | BSD 1.13005 |
| Bahrain | | | | | | | |
| Manama 640 | Bahraini dinar = 1,000 fils BHD | B | USD 1 = | BHD 0.37425 | BHD 0.37425 | BHD 0.37425 | BHD 0.37425 |
| | | S | USD 1 = | BHD 0.37750 | BHD 0.37750 | BHD 0.37750 | BHD 0.37750 |
| | | B | EUR 1 = | BHD 0.4038078 | BHD 0.4090975 | BHD 0.4075940 | BHD 0.4101257 |
| | | S | EUR 1 = | BHD 0.4287856 | BHD 0.4344025 | BHD 0.4328060 | BHD 0.4354943 |
| Bangladesh 1 | | | | | | | |
| Dhaka 666 | Taka = 100 poisha BDT | B | USD 1 = | BDT 77.4375 | BDT 77.9000 | BDT 77.8000 | BDT 77.7500 |
| | | S | USD 1 = | BDT 78.4275 | BDT 78.8900 | BDT 78.7900 | BDT 78.7400 |
| | | B | EUR 1 = | BDT 84.4481 | BDT 85.9095 | BDT 85.6450 | BDT 86.1252 |
| | | S | EUR 1 = | BDT 87.7842 | BDT 89.3595 | BDT 89.0950 | BDT 89.5752 |
| Barbados | | | | | | | |
| Bridgetown 469 | Barbados dollar = 100 cents BBD | B | USD 1 = | BBD 1.99375 | BBD 1.99375 | BBD 1.99375 | BBD 1.99375 |
| | | S | USD 1 = | BBD 2.02768 | BBD 2.02768 | BBD 2.02768 | BBD 2.02768 |
| | | B | EUR 1 = | BBD 2.19772 | BBD 2.20440 | BBD 2.21874 | BBD 2.23328 |
| | | S | EUR 1 = | BBD 2.23892 | BBD 2.24573 | BBD 2.26034 | BBD 2.27514 |
| Belarus 1 | | | | | | | |
| Minsk 073 | Belarusian rouble = 100 kopecks BYR/BYN | M | USD 1 = | BYR 16,085.75 | BYN 1.9958 | BYN 1.9578 | BYN 1.9264 |
| | | M | EUR 1 = | BYR 17,823.83 | BYN 2.2141 | BYN 2.1859 | BYN 2.1610 |

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|--------------------------------------------------------|-------------------------------------------|-----------------|---------|------------------------|----------------------|--------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Belgium | | | | | | | |
| Brussels 017 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Belize | | | | | | | |
| Belmopan 421 | Belize dollar = 100 cents BZD | B S | USD 1 = | BZD 1.9825 | BZD 1.9825 | BZD 1.9825 | BZD 1.9825 |
| | | | USD 1 = | BZD 2.0175 | BZD 2.0175 | BZD 2.0175 | BZD 2.0175 |
| | | B S | EUR 1 = | BZD 2.1913 | BZD 2.2137 | BZD 2.2097 r | BZD 2.2224 |
| | | | EUR 1 = | BZD 2.2300 | BZD 2.2527 | BZD 2.2487 r | BZD 2.2616 |
| Benin ¹ | | | | | | | |
| Porto-Novo Seat of Government: Cotonou 284 | CFA franc XOF | V 2 | USD 1 = | XOF 591.219 | XOF 590.261 | XOF 589.254 | XOF 587.722 |
| | | | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Bermuda | | | | | | | |
| Hamilton 413 | Bermudian dollar = 100 cents BMD | B S | USD 1 = | BMD 0.9960 | BMD 0.9960 | BMD 0.9960 | BMD 0.9960 |
| | | | USD 1 = | BMD 1.0043 | BMD 1.0043 | BMD 1.0043 | BMD 1.0043 |
| | | V, B V, S | EUR 1 = | BMD 1.1051 | BMD 1.1069 | BMD 1.1087 | BMD 1.1116 |
| | | | EUR 1 = | BMD 1.1143 | BMD 1.1161 | BMD 1.1180 | BMD 1.1209 |
| Bhutan ¹ | | | | | | | |
| Thimphu 675 | Ngultrum = 100 chhetrum BTN | B S | USD 1 = | BTN 64.17 | BTN 66.87 | BTN 66.90 | BTN 66.67 |
| | | | USD 1 = | BTN 64.62 | BTN 67.33 | BTN 67.37 | BTN 67.14 |
| | | B S | EUR 1 = | BTN 70.95 | BTN 74.30 | BTN 74.74 | BTN 74.79 |
| | | | EUR 1 = | BTN 71.43 | BTN 74.80 | BTN 75.23 | BTN 75.28 |
| Bolivia, Plurinational State of | | | | | | | |
| Sucre Seat of Government: La Paz 516 | Boliviano = 100 centavos BOB | B S | USD 1 = | BOB 6.86 | BOB 6.86 | BOB 6.86 | BOB 6.86 |
| | | | USD 1 = | BOB 6.96 | BOB 6.96 | BOB 6.96 | BOB 6.96 |
| | | V, B V, S | EUR 1 = | BOB 7.6077 | BOB 7.6235 | BOB 7.6366 | BOB 7.6564 |
| | | | EUR 1 = | BOB 7.7186 | BOB 7.7346 | BOB 7.7479 | BOB 7.7681 |
| Bosnia and Herzegovina | | | | | | | |
| Sarajevo 093 | Convertible marka = 100 feninga BAM | B S | USD 1 = | BAM 1.768204 | BAM 1.755548 | BAM 1.746902 | BAM 1.738651 |
| | | | USD 1 = | BAM 1.777067 | BAM 1.764348 | BAM 1.755658 | BAM 1.747367 |
| | | B / S | EUR 1 = | BAM 1.95583 | BAM 1.95583 | BAM 1.95583 | BAM 1.95583 |
| Botswana | | | | | | | |
| Gaborone 391 | Pula = 100 thebe BWP | B S | BWP 1 = | USD 0.0983 | USD 0.0944 | USD 0.0921 | USD 0.0958 |
| | | | BWP 1 = | USD 0.0981 | USD 0.0942 | USD 0.0918 | USD 0.0956 |
| | | B S | BWP 1 = | EUR 0.0890 | EUR 0.0847 | EUR 0.0827 | EUR 0.0853 |
| | | | BWP 1 = | EUR 0.0887 | EUR 0.0845 | EUR 0.0825 | EUR 0.0851 |

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

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|-------------------------------------------------|-----------------------------------------|-----------------|-----------|------------------------|----------------------|----------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Brazil | | | | | | | |
| Brasília 508 | Brazilian real = 100 centavos | B | USD 1 = | BRL 3.3381 | BRL 3.2384 | BRL 3.2397 | BRL 3.2456 |
| | | S | USD 1 = | BRL 3.3387 | BRL 3.2390 | BRL 3.2403 | BRL 3.2462 |
| | BRL | B | EUR 1 = | BRL 3.7343 | BRL 3.6163 | BRL 3.6103 | BRL 3.6474 |
| | | S | EUR 1 = | BRL 3.7358 | BRL 3.6183 | BRL 3.6116 | BRL 3.6484 |
| Brunei Darussalam ¹ | | | | | | | |
| Bandar Seri Begawan 703 | Brunei dollar = 100 cents | B | USD 1 = | BND 1.3689 | BND 1.3369 | BND 1.3535 | BND 1.3549 |
| | | S | USD 1 = | BND 1.3898 | BND 1.3579 | BND 1.3745 | BND 1.3759 |
| | BND | B | EUR 1 = | BND 1.4958 | BND 1.4690 | BND 1.4945 | BND 1.5059 |
| | | S | EUR 1 = | BND 1.5523 | BND 1.5256 | BND 1.5511 | BND 1.5627 |
| Bulgaria | | | | | | | |
| Sofia 068 | Bulgarian lev = 100 stotinkas BGN | M | USD 1 = | BGN 1.76396 | BGN 1.75995 | BGN 1.75694 | BGN 1.75238 |
| | | M | EUR 1 = | BGN 1.95583 | BGN 1.95583 | BGN 1.95583 | BGN 1.95583 |
| Burkina Faso ¹ | | | | | | | |
| Ouagadougou 236 | CFA franc | V | USD 1 = | XOF 591.219 | XOF 590.261 | XOF 589.254 | XOF 587.722 |
| | XOF | 2 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Burundi | | | | | | | |
| Bujumbura 328 | Burundi franc = 100 centimes | B | USD 1 = | BIF 1,558.7954 | BIF 1,643.6871 | BIF 1,650.2607 | BIF 1,655.9136 |
| | | S | USD 1 = | BIF 1,590.2862 | BIF 1,676.8929 | BIF 1,683.5993 | BIF 1,689.3664 |
| | BIF | B | EUR 1 = | BIF 1,721.3347 | BIF 1,821.2053 | BIF 1,839.7931 | BIF 1,857.7695 |
| | | S | EUR 1 = | BIF 1,756.1091 | BIF 1,857.9973 | BIF 1,876.9607 | BIF 1,895.3001 |
| Cabo Verde | | | | | | | |
| Praia 247 | Cabo Verde escudo = 100 centavos | B | USD 1 = | CVE 99.897 | CVE 99.326 | CVE 98.632 | CVE 98.166 |
| | | S | USD 1 = | CVE 100.099 | CVE 99.528 | CVE 98.834 | CVE 98.368 |
| | CVE | 2 B/S | EUR 1 = | CVE 110.265 | CVE 110.265 | CVE 110.265 | CVE 110.265 |
| Cambodia | | | | | | | |
| Phnom Penh 696 | Riel = 100 sen KHR | M | USD 1 = | KHR 4,062 | KHR 4,097 | KHR 4,096 | KHR 4,080 |
| | | B | EUR 1 = | KHR 4,487 | KHR 4,541 | KHR 4,565 | KHR 4,578 |
| | S | EUR 1 = | KHR 4,532 | KHR 4,586 | KHR 4,611 | KHR 4,624 | |
| Cameroon ¹ | | | | | | | |
| Yaoundé 302 | CFA franc | V | USD 1 = | XAF 591.219 | XAF 590.261 | XAF 589.254 | XAF 587.722 |
| | XAF | 2 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Canada | | | | | | | |
| Ottawa 404 | Canadian dollar = 100 cents CAD | M | USD 1 = | CAD 1.2787 | CAD 1.3041 | CAD 1.3124 | CAD 1.3117 |
| | | M | EUR 1 = | CAD 1.4235 | CAD 1.4566 | CAD 1.4628 | CAD 1.4741 |

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

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | | |
|-------------------------------------------------|--------------------------------------------------------|-----------------|---------|------------------------|----------------------|---------------|----------------|---------------|
| | | | | | July 2016 | August 2016 | September 2016 | |
| Cayman Islands | | | | | | | | |
| George Town 463 | Cayman Islands dollar = 100 cents KYD | 2 | KYD 1 = | USD 1.20 | USD 1.20 | USD 1.20 | USD 1.20 | |
| | | | V | EUR 1 = | KYD 0.9246 | KYD 0.9261 | KYD 0.9277 | KYD 0.9301 |
| Central African Republic ¹ | | | | | | | | |
| Bangui 306 | CFA franc XAF | V | USD 1 = | XAF 591.219 | XAF 590.261 | XAF 589.254 | XAF 587.722 | |
| | | | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Chad ¹ | | | | | | | | |
| N'Djaména 244 | CFA franc XAF | V | USD 1 = | XAF 591.219 | XAF 590.261 | XAF 589.254 | XAF 587.722 | |
| | | | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Chile | | | | | | | | |
| Santiago 512 | Chilean peso = 100 centavos CLP | M | USD 1 = | CLP 656.62 | CLP 664.94 | CLP 673.17 | CLP 659.08 | |
| | | | M | EUR 1 = | CLP 728.18 | CLP 736.12 | CLP 750.22 | CLP 739.13 |
| China | | | | | | | | |
| Peking / Beijing 720 | Chinese yuan renminbi = 10 jiao = 100 fen CNY | M | USD 1 = | CNY 6.2293 | CNY 6.6511 | CNY 6.6908 | CNY 6.6778 | |
| | | | M | EUR 1 = | CNY 6.9036 | CNY 7.3724 | CNY 7.4602 | CNY 7.4880 |
| | | | M | HKD 1 = | CNY 0.80459 | CNY 0.85751 | CNY 0.86250 | CNY 0.86097 |
| China (Taiwan) | | | | | | | | |
| Taipei 736 | New Taiwan dollar = 100 cents TWD | B | USD 1 = | TWD 31.72 | TWD 31.86 | TWD 31.67 | TWD 31.29 | |
| | | | S | USD 1 = | TWD 31.82 | TWD 31.96 | TWD 31.77 | TWD 31.39 |
| | | B | EUR 1 = | TWD 35.06 | TWD 35.17 | TWD 35.19 | TWD 34.98 | |
| | | | S | EUR 1 = | TWD 35.46 | TWD 35.57 | TWD 35.59 | TWD 35.38 |
| Colombia | | | | | | | | |
| Bogotá 480 | Colombian peso = 100 centavos COP | B | USD 1 = | COP 2,767.77 | COP 3,091.04 | COP 2,932.79 | COP 2,879.30 | |
| | | | S | USD 1 = | COP 2,769.53 | COP 3,092.52 | COP 2,934.85 | COP 2,880.60 |
| | | V, B | EUR 1 = | COP 3,065.96 | COP 3,435.07 | COP 3,264.78 | COP 3,213.59 | |
| | | | V, S | EUR 1 = | COP 3,067.91 | COP 3,436.72 | COP 3,267.08 | COP 3,215.04 |
| Comoros | | | | | | | | |
| Moroni 375 | Comorian franc = 100 centimes KMF | V | USD 1 = | KMF 443.41393 | KMF 442.69572 | KMF 441.94013 | KMF 440.79182 | |
| | | | 3 | EUR 1 = | KMF 491.96775 | KMF 491.96775 | KMF 491.96775 | KMF 491.96775 |
| Congo ¹ | | | | | | | | |
| Brazzaville 318 | CFA franc XAF | V | USD 1 = | XAF 591.219 | XAF 590.261 | XAF 589.254 | XAF 587.722 | |
| | | | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |

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

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|----------------------------------------------------------|------------------------------------------------------------|-----------------|-----------|------------------------|----------------------|----------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Congo, Democratic Republic of the | | | | | | | |
| Kinshasa 322 | Congo franc = 100 centimes | B | USD 1 = | CDF 907.4830 | CDF 976.0603 | CDF 1,001.3222 | CDF 1,034.8792 |
| | | S | USD 1 = | CDF 944.5232 | CDF 1,015.8995 | CDF 1,042.1925 | CDF 1,077.1191 |
| | CDF | B | EUR 1 = | CDF 1,002.0568 | CDF 1,068.4674 | CDF 1,117.9404 | CDF 1,159.8517 |
| | | S | EUR 1 = | CDF 1,042.9571 | CDF 1,112.0784 | CDF 1,163.5706 | CDF 1,207.1926 |
| Cook Islands ¹ | | | | | | | |
| Avarua 837 | Cook Islands dollar ² = 100 cents NZD | B | NZD 1 = | EUR 0.6454 | EUR 0.6568 | EUR 0.6655 | EUR 0.6637 |
| | | S | NZD 1 = | EUR 0.6174 | EUR 0.6285 | EUR 0.6370 | EUR 0.6353 |
| Costa Rica | | | | | | | |
| San José 436 | Costa Rican colón = 100 céntimos | B | USD 1 = | CRC 528.69 | CRC 543.29 | CRC 545.98 | CRC 546.33 |
| | | S | USD 1 = | CRC 540.97 | CRC 556.16 | CRC 558.64 | CRC 558.80 |
| | CRC | V, B | EUR 1 = | CRC 583.9701 | CRC 603.7582 | CRC 607.7849 | CRC 609.7589 |
| | | V, S | EUR 1 = | CRC 597.5319 | CRC 618.0606 | CRC 621.8780 | CRC 623.6767 |
| Côte d'Ivoire ¹ | | | | | | | |
| Yamoussoukro Seat of Government: Abidjan 272 | CFA franc XOF | V | USD 1 = | XOF 591.219 | XOF 590.261 | XOF 589.254 | XOF 587.722 |
| | | ³ | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Croatia | | | | | | | |
| Zagreb 092 | Kuna = 100 lipa | B | USD 1 = | HRK 6.846831 | HRK 6.710826 | HRK 6.673220 | HRK 6.676087 |
| | | S | USD 1 = | HRK 6.888036 | HRK 6.751212 | HRK 6.713380 | HRK 6.716265 |
| | HRK | B | EUR 1 = | HRK 7.594448 | HRK 7.455057 | HRK 7.453320 | HRK 7.485230 |
| | | S | EUR 1 = | HRK 7.640151 | HRK 7.499921 | HRK 7.498174 | HRK 7.530276 |
| Cuba ¹ | | | | | | | |
| Havana 448 | Convertible peso / Cuban peso = 100 centavos | B | CUC 1 = | USD 1.03360 | USD 1.03360 | USD 1.03360 | USD 1.03360 |
| | | S | CUC 1 = | USD 0.96852 | USD 0.96852 | USD 0.96852 | USD 0.96852 |
| | CUC / CUP | B | EUR 1 = | CUC 1.06757 | CUC 1.07373 | CUC 1.07789 | CUC 1.08563 |
| | | S | EUR 1 = | CUC 1.13940 | CUC 1.14598 | CUC 1.15042 | CUC 1.15878 |
| Curaçao | | | | | | | |
| Willemstad 477 | Netherlands Antillean guilder = 100 cent | B | USD 1 = | ANG 1.78 | ANG 1.78 | ANG 1.78 | ANG 1.78 |
| | | S | USD 1 = | ANG 1.82 | ANG 1.82 | ANG 1.82 | ANG 1.82 |
| | ANG | B | EUR 100 = | ANG 196.73 | ANG 197.93 | ANG 198.27 | ANG 198.78 |
| | | S | EUR 100 = | ANG 200.69 | ANG 201.92 | ANG 202.26 | ANG 202.79 |
| Cyprus | | | | | | | |
| Nicosia 600 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Czech Republic | | | | | | | |
| Prague 061 | Czech koruna = 100 heller CZK | M | USD 1 = | CZK 24.600 | CZK 24.324 | CZK 24.286 | CZK 24.210 |
| | | M | EUR 1 = | CZK 27.269 | CZK 27.030 | CZK 27.030 | CZK 27.020 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Parity in relation to the New Zealand dollar. ³ Value against the euro.

IV Overview of world currencies *

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

| Country 1 Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|--------------------------------------|-------------------------------------------------------------|-----------------|-----------|------------------------|----------------------|-------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Denmark | | | | | | | |
| Copenhagen 008 | Danish krone = 100 øre DKK | M | USD 100 = | DKK 672.69 | DKK 669.25 | DKK 668.63 | DKK 667.62 |
| | | | EUR 100 = | DKK 746.07 | DKK 743.74 | DKK 744.32 | DKK 745.13 |
| Djibouti | | | | | | | |
| Djibouti 338 | Djibouti franc = 100 centimes DJF | B | USD 1 = | DJF 176.832 | DJF 176.832 | DJF 176.832 | DJF 176.832 |
| | | | S | USD 1 = | DJF 179.498 | DJF 179.498 | DJF 179.498 |
| | | B | EUR 1 = | DJF 194.33 | DJF 195.10 | DJF 195.79 | DJF . |
| | | | S | EUR 1 = | DJF 201.99 | DJF 204.64 | DJF 203.34 |
| Dominica | | | | | | | |
| Roseau 460 | East Caribbean dollar = 100 cents XCD | B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | | S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | | V, B | EUR 1 = | XCD 2.9826 | XCD 2.9874 | XCD 2.9925 | XCD 3.0003 |
| | | | V, S | EUR 1 = | XCD 3.0144 | XCD 3.0193 | XCD 3.0245 |
| Dominican Republic | | | | | | | |
| Santo Domingo 456 | Dominican peso = 100 centavos DOP | B | USD 1 = | DOP 44.7391 | DOP 45.6830 | DOP 45.7153 | DOP 45.9407 |
| | | | S | USD 1 = | DOP 45.0960 | DOP 46.0247 | DOP 46.0610 |
| | | B | EUR 1 = | DOP 48.6052 | DOP 49.7417 | DOP 50.0847 | DOP 50.4119 |
| | | | S | EUR 1 = | DOP 51.5159 | DOP 53.3859 | DOP 53.7435 |
| Egypt | | | | | | | |
| Cairo 220 | Egyptian pound = 100 piastres = 1,000 milliems EGP | B | USD 1 = | EGP 7.7208 | EGP 8.8799 | EGP 8.8799 | EGP 8.8799 |
| | | | S | USD 1 = | EGP 7.7222 | EGP 8.8800 | EGP 8.8800 |
| | | B | EUR 1 = | EGP 8.4926 | EGP 9.8124 | EGP 9.8639 | EGP 9.9250 |
| | | | S | EUR 1 = | EGP 8.5912 | EGP 9.9429 | EGP 9.9145 |
| El Salvador 1 | | | | | | | |
| San Salvador 428 | El Salvador colón = 100 centavos SVC | B / S | USD 1 = | SVC 8.75 | SVC 8.75 | SVC 8.75 | SVC 8.75 |
| | | V, B / S | EUR 1 = | SVC 9.7081 | SVC 9.7239 | SVC 9.7405 | SVC 9.7659 |
| Equatorial Guinea 1 | | | | | | | |
| Malabo 310 | CFA franc XAF | V | USD 1 = | XAF 591.219 | XAF 590.261 | XAF 589.254 | XAF 587.722 |
| | | 2 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Eritrea | | | | | | | |
| Asmara 336 | Nakfa = 100 cents ERN | B | USD 1 = | ERN 15.0000 | ERN 15.0000 | ERN 15.0000 | ERN 15.0000 |
| | | | S | USD 1 = | ERN 15.7500 | ERN 15.7500 | ERN 15.7500 |
| | | B | EUR 1 = | ERN 16.5500 | ERN 16.6245 | ERN 16.7715 | ERN 16.8285 |
| | | | S | EUR 1 = | ERN 17.3095 | ERN 17.3840 | ERN 17.5310 |
| Estonia | | | | | | | |
| Tallinn 053 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |

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

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|-------------------------------------------------|-----------------------------------------------------------|-----------------|-------------|------------------------|----------------------|-------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Ethiopia | | | | | | | |
| Addis Ababa 334 | Birr = 100 cents | B | USD 1 = | ETB 20.6138 | ETB 21.8746 | ETB 21.9615 | ETB 22.0534 |
| | | S | USD 1 = | ETB 21.0261 | ETB 22.3121 | ETB 22.4007 | ETB 22.4945 |
| | ETB | B | EUR 1 = | ETB 22.7723 | ETB 24.3858 | ETB 24.5266 | ETB 24.7152 |
| S | | EUR 1 = | ETB 23.2318 | ETB 24.8824 | ETB 25.0261 | ETB 25.2140 | |
| Falkland Islands (Islas Malvinas) | | | | | | | |
| Stanley 529 | Falkland Islands pound ² = 100 pence FKP | V | USD 1 = | FKP 0.65420 | FKP 0.75947 | FKP 0.76182 | FKP 0.77146 |
| | | V | EUR 1 = | FKP 0.72584 | FKP 0.84400 | FKP 0.84806 | FKP 0.86103 |
| Fiji | | | | | | | |
| Suva 815 | Fiji dollar = 100 cents | B | FJD 1 = | USD 0.4837 | USD 0.4896 | USD 0.4922 | USD 0.4960 |
| | | S | FJD 1 = | USD 0.4667 | USD 0.4726 | USD 0.4752 | USD 0.4790 |
| | FJD | B | FJD 1 = | EUR 0.4360 | EUR 0.4398 | EUR 0.4395 | EUR 0.4399 |
| | | S | FJD 1 = | EUR 0.4240 | EUR 0.4278 | EUR 0.4275 | EUR 0.4279 |
| Finland | | | | | | | |
| Helsinki 032 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| France | | | | | | | |
| Paris 001 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Gabon ¹ | | | | | | | |
| Libreville 314 | CFA franc | V | USD 1 = | XAF 591.219 | XAF 590.261 | XAF 589.254 | XAF 587.722 |
| | XAF | ³ | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Gambia | | | | | | | |
| Banjul 252 | Dalasi = 100 bututs GMD | M | USD 1 = | GMD 42.23 | GMD 43.83 | GMD 44.82 | GMD 45.92 |
| | | M | EUR 1 = | GMD 46.93 | GMD 48.79 | GMD 51.91 | GMD 53.00 |
| Georgia | | | | | | | |
| Tbilisi 076 | Lari = 100 tetri GEL | M | USD 1 = | GEL 2.2792 | GEL 2.3479 | GEL 2.3056 | GEL 2.3297 |
| | | M | EUR 1 = | GEL 2.5259 | GEL 2.6083 | GEL 2.5763 | GEL 2.6132 |
| Germany | | | | | | | |
| Berlin 004 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |

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

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|-------------------------------------------------|----------------------------------------------------|-----------------|----------------|------------------------|----------------------|-----------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Ghana | | | | | | | |
| Accra 276 | Ghana cedi = 100 Ghana pesewas | B | USD 1 = | GHS 3.7595 | GHS 3.9431 | GHS 3.9436 | GHS 3.9695 |
| | | S | USD 1 = | GHS 3.7632 | GHS 3.9470 | GHS 3.9476 | GHS 3.9735 |
| | GHS | B | EUR 1 = | GHS 4.1517 | GHS 4.4120 | GHS 4.3943 | GHS 4.4532 |
| S | | EUR 1 = | GHS 4.1550 | GHS 4.4150 | GHS 4.3982 | GHS 4.4557 | |
| Gibraltar | | | | | | | |
| Gibraltar 044 | Gibraltar pound ² = 100 pence GIP | V | USD 1 = | GIP 0.65420 | GIP 0.75947 | GIP 0.76182 | GIP 0.77146 |
| | | V | EUR 1 = | GIP 0.72584 | GIP 0.84400 | GIP 0.84806 | GIP 0.86103 |
| Greece ¹ | | | | | | | |
| Athens 009 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Grenada | | | | | | | |
| St George's 473 | East Caribbean dollar = 100 cents | B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | XCD | V, B | EUR 1 = | XCD 2.9826 | XCD 2.9874 | XCD 2.9925 | XCD 3.0003 |
| V, S | | EUR 1 = | XCD 3.0144 | XCD 3.0193 | XCD 3.0245 | XCD 3.0323 | |
| Guatemala | | | | | | | |
| Guatemala City 416 | Quetzal = 100 centavos GTQ | M | USD 1 = | GTQ 7.65729 | GTQ 7.56100 | GTQ 7.55319 | GTQ 7.52067 |
| | | V, M | EUR 1 = | GTQ 8.45820 | GTQ 8.40254 | GTQ 8.40821 | GTQ 8.39382 |
| Guinea | | | | | | | |
| Conakry 260 | Guinean franc | A | USD 1 = | GNF 7,103.8740 | GNF 8,594.6250 | GNF 8,623.8750 | GNF 8,628.7500 |
| | | V | USD 1 = | GNF 7,645.9421 | GNF 9,057.4125 | GNF 9,088.2375 | GNF 9,093.3750 |
| | GNF | A | EUR 1 = | GNF 7,857.9357 | GNF 9,535.8223 | GNF 9,605.9618 | GNF 9,656.6066 |
| V | | EUR 1 = | GNF 8,457.1325 | GNF 10,049.2896 | GNF 10,123.2059 | GNF 10,176.5778 | |
| Guinea-Bissau ¹ | | | | | | | |
| Bissau 257 | CFA franc XOF | V | USD 1 = | XOF 591.219 | XOF 590.261 | XOF 589.254 | XOF 587.722 |
| | | 3 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Guyana | | | | | | | |
| Georgetown 488 | Guyana dollar = 100 cents | B | USD 1 = | GYD 205.98 | GYD 205.98 | GYD 205.98 | GYD 205.98 |
| | | S | USD 1 = | GYD 208.44 | GYD 208.44 | GYD 208.44 | GYD 208.44 |
| | GYD | B | EUR 1 = | GYD 227.42 | GYD 228.33 | GYD 229.22 | GYD 229.75 |
| S | | EUR 1 = | GYD 230.34 | GYD 231.26 | GYD 232.16 | GYD 232.70 | |

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

IV Overview of world currencies *

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

| Country 1 Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|-----------------------------------------------|---------------------------------------------|-----------------|---------|------------------------|----------------------|---------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Haiti | | | | | | | |
| Port-au-Prince 452 | Gourde = 100 centimes HTG | M | USD 1 = | HTG 51.1640 | HTG 63.6545 | HTG 64.8864 | HTG 65.5368 |
| | | V, M | EUR 1 = | HTG 56.4762 | HTG 70.7392 | HTG 72.2315 | HTG 73.1456 |
| Honduras | | | | | | | |
| Tegucigalpa 424 | Lempira = 100 centavos HNL | B | USD 1 = | HNL 21.9794 | HNL 22.8710 | HNL 22.8969 | HNL 23.0306 |
| | | S | USD 1 = | HNL 22.1332 | HNL 23.0311 | HNL 23.0572 | HNL 23.1918 |
| | | V, B | EUR 1 = | HNL 24.2752 | HNL 25.4165 | HNL 25.4888 | HNL 25.7045 |
| | | V, S | EUR 1 = | HNL 24.4451 | HNL 25.5945 | HNL 25.6673 | HNL 25.8844 |
| Hong Kong | | | | | | | |
| Hong Kong 740 | Hong Kong dollar = 100 cents HKD | B | USD 1 = | HKD 7.73880 | HKD 7.73660 | HKD 7.73770 | HKD 7.73420 |
| | | S | USD 1 = | HKD 7.76433 | HKD 7.77540 | HKD 7.77650 | HKD 7.77300 |
| | | B | EUR 1 = | HKD 8.52852 | HKD 8.56788 | HKD 8.61328 | HKD 8.63418 |
| | | S | EUR 1 = | HKD 8.58831 | HKD 8.62762 | HKD 8.67302 | HKD 8.69402 |
| Hungary | | | | | | | |
| Budapest 064 | Hungarian forint = 100 fillér HUF | M | USD 1 = | HUF 279.46 | HUF 281.47 | HUF 278.10 | HUF 276.35 |
| | | M | EUR 1 = | HUF 309.32 | HUF 312.38 | HUF 309.92 | HUF 309.15 |
| Iceland | | | | | | | |
| Reykjavik 024 | Icelandic krona ISK | B | USD 1 = | ISK 131.45 | ISK 119.09 | ISK 116.27 | ISK 114.17 |
| | | S | USD 1 = | ISK 132.07 | ISK 119.65 | ISK 116.83 | ISK 114.71 |
| | | B | EUR 1 = | ISK 145.89 | ISK 132.23 | ISK 129.54 | ISK 127.52 |
| | | S | EUR 1 = | ISK 146.70 | ISK 132.97 | ISK 130.26 | ISK 128.24 |
| India ¹ | | | | | | | |
| New Delhi 664 | Indian rupee = 100 paise INR | B | USD 1 = | INR 63.82 | INR 66.20 | INR 66.65 | INR 66.35 |
| | | S | USD 1 = | INR 64.67 | INR 67.70 | INR 67.50 | INR 67.20 |
| | | B | EUR 1 = | INR 70.23 | INR 73.15 | INR 73.98 | INR 73.81 |
| | | S | EUR 1 = | INR 71.79 | INR 75.49 | INR 75.60 | INR 75.43 |
| Indonesia | | | | | | | |
| Jakarta 700 | Indonesian rupiah = 100 sen IDR | B | USD 1 = | IDR 13,351.04 | IDR 13,029.00 | IDR 13,233.00 | IDR 12,933.00 |
| | | S | USD 1 = | IDR 13,485.13 | IDR 13,159.00 | IDR 13,367.00 | IDR 13,063.00 |
| | | B | EUR 1 = | IDR 14,786.36 | IDR 14,437.43 | IDR 14,757.44 | IDR 14,503.07 |
| | | S | EUR 1 = | IDR 14,938.08 | IDR 14,586.75 | IDR 14,910.89 | IDR 14,654.07 |
| Iran, Islamic Republic of ¹ | | | | | | | |
| Tehran 616 | Iranian rial = 100 dinars IRR | M | USD 1 = | IRR 29,128 | IRR 30,951 | IRR 31,253 | IRR 31,460 |
| | | M | EUR 1 = | IRR 32,174 | IRR 34,588 | IRR 34,871 | IRR 35,339 |

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

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | | |
|-------------------------------------------------|------------------------------------|---------------------------------|---------|------------------------|----------------------|---------------|----------------|------------|
| | | | | | July 2016 | August 2016 | September 2016 | |
| Iraq | | | | | | | | |
| Baghdad 612 | Iraqi dinar = 1,000 fils | B | USD 1 = | IQD 1,165.333 | IQD 1,180.000 | IQD 1,180.000 | IQD 1,180.000 | |
| | | S | USD 1 = | IQD 1,167.333 | IQD 1,182.000 | IQD 1,182.000 | IQD 1,182.000 | |
| | IQD | B | EUR 1 = | IQD 1,289.847 | IQD 1,310.183 | IQD 1,319.398 | IQD 1,326.132 | |
| | | S | EUR 1 = | IQD 1,290.493 | IQD 1,310.838 | IQD 1,320.058 | IQD 1,326.795 | |
| | Ireland | | | | | | | |
| | Dublin 007 | Euro = 100 cent | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| EUR | | | | | | | | |
| Israel | | | | | | | | |
| Jerusalem 624 | New Israeli sheqel = 100 agorot | M | USD 1 = | ILS 3.8839 | ILS 3.8280 | ILS 3.7860 | ILS 3.7580 | |
| | | M | EUR 1 = | ILS 4.2920 | ILS 4.2460 | ILS 4.2197 | ILS 4.2030 | |
| | ILS | | | | | | | |
| | | | | | | | | |
| Italy | | | | | | | | |
| Rome 005 | Euro = 100 cent | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 | |
| | EUR | | | | | | | |
| Jamaica | | | | | | | | |
| Kingston 464 | Jamaican dollar = 100 cents | B | USD 1 = | JMD 116.8907 | JMD 125.8941 | JMD 126.8965 | JMD 127.5895 | |
| | | S | USD 1 = | JMD 117.4812 | JMD 126.5582 | JMD 127.5727 | JMD 128.2704 | |
| | JMD | B | EUR 1 = | JMD 129.01328 | JMD 132.19210 | JMD 137.26420 | JMD 142.19120 | |
| | | S | EUR 1 = | JMD 129.61075 | JMD 140.19220 | JMD 140.94420 | JMD 144.95200 | |
| | Japan | | | | | | | |
| | Tokyo 732 | Japanese yen = 100 sen | B | USD 1 = | JPY 120.12 | JPY 103.42 | JPY 102.18 | JPY 100.12 |
| S | | | USD 1 = | JPY 122.12 | JPY 105.42 | JPY 104.18 | JPY 102.12 | |
| JPY | | B | EUR 1 = | JPY 132.19 | JPY 114.17 | JPY 113.45 | JPY 111.86 | |
| | | S | EUR 1 = | JPY 135.19 | JPY 117.17 | JPY 116.45 | JPY 114.86 | |
| Jordan | | | | | | | | |
| Amman 628 | | Jordanian dinar = 1,000 fils | B | USD 1 = | JOD 0.7080 | JOD 0.7080 | JOD 0.7080 | JOD 0.7080 |
| | S | | USD 1 = | JOD 0.7100 | JOD 0.7100 | JOD 0.7100 | JOD 0.7100 | |
| | JOD | B | EUR 1 = | JOD 0.77803 | JOD 0.78234 | JOD 0.78992 | JOD 0.79374 | |
| | | S | EUR 1 = | JOD 0.78573 | JOD 0.78938 | JOD 0.79492 | JOD 0.79776 | |
| | Kazakhstan | | | | | | | |
| | Astana 079 | Tenge = 100 tiyn | M | USD 1 = | KZT 225.02 | KZT 352.25 | KZT 338.98 | KZT 334.93 |
| KZT | | M | EUR 1 = | KZT 249.15 | KZT 391.28 | KZT 379.01 | KZT 375.52 | |
| Kenya ¹ | | | | | | | | |
| Nairobi 346 | Kenya shilling = 100 cents | B | USD 1 = | KES 98.6085 | KES 101.2917 | KES 101.2589 | KES 101.1617 | |
| | | S | USD 1 = | KES 98.7851 | KES 101.4861 | KES 101.4589 | KES 101.3617 | |
| | KES | B | EUR 1 = | KES 108.8046 | KES 112.2650 | KES 112.9517 | KES 113.5328 | |
| | | S | EUR 1 = | KES 109.0215 | KES 112.5189 | KES 113.2089 | KES 113.7761 | |

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

IV Overview of world currencies *

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

| Country 1 Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | | |
|-----------------------------------------------|-----------------------------------------|----------------------------------|---------|------------------------|-------------------------|-------------------------|---------------------------|--------------------------|
| | | | | | July 2016 | August 2016 | September 2016 | |
| Korea, Democratic People's Republic of | | | | | | | | |
| Pyongyang 724 | North Korean won = 100 chon | B | USD 1 = | KPW 108.41 | KPW 107.26 ² | KPW 107.14 ³ | KPW 106.88 ⁴ | |
| | | S | USD 1 = | KPW 109.23 | KPW 108.07 ² | KPW 107.95 ³ | KPW 107.69 ⁴ | |
| | KPW | B | EUR 1 = | KPW 119.43 | KPW 119.77 ² | KPW 119.85 ³ | KPW 120.12 ⁴ | |
| | | S | EUR 1 = | KPW 120.33 | KPW 120.67 ² | KPW 120.75 ³ | KPW 121.03 ⁴ | |
| | Korea, Republic of | | | | | | | |
| | Seoul 728 | South Korean won = 100 chon | B | USD 1 = | KRW 1,120.93 | KRW 1,105.10 | KRW 1,107.10 | KRW 1,093.20 |
| S | | | USD 1 = | KRW 1,143.03 | KRW 1,126.90 | KRW 1,128.90 | KRW 1,114.80 | |
| KRW | | B | EUR 1 = | KRW 1,237.72 | KRW 1,232.40 | KRW 1,232.01 | KRW 1,221.61 | |
| | | S | EUR 1 = | KRW 1,262.72 | KRW 1,257.28 | KRW 1,256.89 | KRW 1,246.27 | |
| Kuwait | | | | | | | | |
| Kuwait 636 | | Kuwaiti dinar = 1,000 fils | B | USD 1 = | KWD 0.29990 | KWD 0.30095 | KWD 0.30050 | KWD 0.30115 ⁵ |
| | S | | USD 1 = | KWD 0.30371 | KWD 0.30455 | KWD 0.30410 | KWD 0.30325 ⁵ | |
| | KWD | B | EUR 1 = | KWD 0.331011 | KWD 0.334987 | KWD 0.334517 | KWD 0.337243 ⁵ | |
| | | S | EUR 1 = | KWD 0.335218 | KWD 0.338995 | KWD 0.338524 | KWD 0.339595 ⁵ | |
| | Kyrgyzstan | | | | | | | |
| | Bishkek 083 | Kyrgyz som = 100 tyiyn KGS | M | USD 1 = | KGS 64.8031 | KGS 67.9699 | KGS 68.8990 | KGS 67.9346 |
| M | | | EUR 1 = | KGS 71.8206 | KGS 75.4364 | KGS 76.9567 | KGS 76.1853 | |
| Lao People's Democratic Republic | | | | | | | | |
| Vientiane 684 | Kip | B | USD 1 = | LAK 8,121 | LAK 8,082 | LAK 8,079 | LAK 8,093 | |
| | | S | USD 1 = | LAK 8,153 | LAK 8,117 | LAK 8,114 | LAK 8,128 | |
| | LAK | B | EUR 1 = | LAK 8,950 | LAK 8,945 | LAK 9,001 | LAK 9,063 | |
| | | S | EUR 1 = | LAK 8,992 | LAK 8,987 | LAK 9,043 | LAK 9,106 | |
| Latvia | | | | | | | | |
| Riga 054 | Euro = 100 cents EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 | |
| Lebanon | | | | | | | | |
| Beirut 604 | Lebanese pound = 100 piastres LBP | M | USD 1 = | LBP 1,507.50 | LBP 1,507.50 | LBP 1,507.50 | LBP 1,507.50 | |
| | | M | EUR 1 = | LBP 1,670.51 | LBP 1,673.48 | LBP 1,679.66 | LBP 1,685.84 | |
| Lesotho ¹ | | | | | | | | |
| Maseru 395 | Loti = 100 lisente LSL | M | USD 1 = | LSL 12.8909 | LSL 13.9837 | LSL 14.6667 | LSL 13.8464 | |
| | | M | EUR 1 = | LSL 14.2094 | LSL 15.5984 | LSL 16.3268 | LSL 15.4793 | |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Exchange rate as of 1 August 2016. ³ Exchange rate as of 1 September 2016. ⁴ Exchange rate as of 3 October 2016. ⁵ Exchange rate as of 4 October 2016.

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|-------------------------------------------------|-------------------------------------------|----------------------|----------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Liberia ¹ | | | | | | | |
| Monrovia 268 | Liberian dollar = 100 cents | B | USD 1 = | LRD 85.83 | LRD 93.00 | LRD 97.00 | LRD 97.00 |
| | | S | USD 1 = | LRD 86.83 | LRD 94.00 | LRD 98.00 | LRD 98.00 |
| | LRD | V, B V, S | EUR 1 = EUR 1 = | LRD 94.7997 LRD 95.9042 | LRD 103.3509 LRD 104.4622 | LRD 107.9804 LRD 109.0936 | LRD 108.2617 LRD 109.3778 |
| Libya | | | | | | | |
| Tripoli 216 | Libyan dinar = 1,000 dirham | B | USD 1 = | LYD 1.3802 | LYD 1.3783 | LYD 1.3824 | LYD 1.3786 |
| | | S | USD 1 = | LYD 1.3871 | LYD 1.3852 | LYD 1.3894 | LYD 1.3855 |
| | LYD | B | EUR 1 = | LYD 1.5232 | LYD 1.5415 | LYD 1.5414 | LYD 1.5472 |
| | | S | EUR 1 = | LYD 1.5308 | LYD 1.5492 | LYD 1.5491 | LYD 1.5549 |
| Lithuania | | | | | | | |
| Vilnius 055 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Luxembourg | | | | | | | |
| Luxembourg 018 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Macao ¹ | | | | | | | |
| Macao 743 | Pataca = 100 avos | B | USD 1 = | MOP 7.9739 | MOP 7.9779 | MOP 7.9798 | MOP 7.9768 |
| | | S | USD 1 = | MOP 8.0063 | MOP 8.0099 | MOP 8.0118 | MOP 8.0088 |
| | MOP | B | EUR 1 = | MOP 8.7960 | MOP 8.8231 | MOP 8.8756 | MOP 8.8982 |
| | | S | EUR 1 = | MOP 8.8557 | MOP 8.9023 | MOP 8.9548 | MOP 8.9774 |
| Macedonia, former Yugoslav Republic of | | | | | | | |
| Skopje 096 | Macedonian denar = 100 deni | B | USD 1 = | MKD 55.3515 | MKD 55.0556 | MKD 54.7856 | MKD 54.5286 |
| | | S | USD 1 = | MKD 55.9078 | MKD 55.6089 | MKD 55.3362 | MKD 55.0766 |
| | MKD | B S | EUR 1 = EUR 1 = | MKD 61.3003 MKD 61.9163 | MKD 61.1832 MKD 61.7982 | MKD 61.1845 MKD 61.7995 | MKD 61.1865 MKD 61.8015 |
| Madagascar | | | | | | | |
| Antananarivo 370 | Ariary = 5 iraimbilanja MGA | M M | USD 1 = EUR 1 = | MGA 2,942.10 MGA 3,260.72 | MGA 2,964.84 MGA 3,283.77 | MGA 3,049.85 MGA 3,398.74 | MGA 3,110.98 MGA 3,469.49 |
| Malawi | | | | | | | |
| Lilongwe 386 | Malawi kwacha = 100 tambala MWK | B S B S | USD 1 = USD 1 = EUR 1 = EUR 1 = | MWK 500.5335 MWK 517.5229 MWK 552.0873 MWK 570.8935 | MWK 711.4230 MWK 729.5796 MWK 788.2567 MWK 808.3742 | MWK 712.0365 MWK 730.0627 MWK 794.2055 MWK 814.3120 | MWK 712.6578 MWK 730.1154 MWK 799.5308 MWK 819.1164 |

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

IV Overview of world currencies *

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

| Country 1 Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|------------------------------------------------------------|---------------------------------------|-----------------|---------|------------------------|----------------------|--------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Malaysia | | | | | | | |
| Kuala Lumpur Seat of Government: Putrajaya 701 | Malaysian ringgit = 100 sen | B | USD 1 = | MYR 3.8736 | MYR 3.9989 | MYR 3.9787 | MYR 4.0742 |
| | | S | USD 1 = | MYR 3.9700 | MYR 4.1231 | MYR 4.1023 | MYR 4.2008 |
| | MYR | B | EUR 1 = | MYR 4.2878 | MYR 4.4066 | MYR 4.4293 | MYR 4.5475 |
| | | S | EUR 1 = | MYR 4.4191 | MYR 4.5910 | MYR 4.6110 | MYR 4.7341 |
| Maldives | | | | | | | |
| Malé 667 | Rufiyaa = 100 laari MVR | M | USD 1 = | MVR 15.37 | MVR 15.41 | MVR 15.38 | MVR 15.37 |
| | | V, M | EUR 1 = | MVR 16.97146 | MVR 17.12513 | MVR 17.12102 | MVR 17.15446 |
| Mali 1 | | | | | | | |
| Bamako 232 | CFA franc XOF | V | USD 1 = | XOF 591.219 | XOF 590.261 | XOF 589.254 | XOF 587.722 |
| | | 2 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Malta | | | | | | | |
| Valletta 046 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Mauritania | | | | | | | |
| Nouakchott 228 | Ouguiya = 5 khoums MRO | B | USD 1 = | MRO 324.03 | MRO 353.26 | MRO 354.23 | MRO 354.74 |
| | | S | USD 1 = | MRO 327.28 | MRO 356.81 | MRO 357.78 | MRO 358.30 |
| | MRO | B | EUR 1 = | MRO 357.85 | MRO 391.53 | MRO 394.76 | MRO 397.84 |
| | | S | EUR 1 = | MRO 361.44 | MRO 395.45 | MRO 398.72 | MRO 401.83 |
| Mauritius | | | | | | | |
| Port Louis 373 | Mauritian rupee = 100 cents MUR | B | USD 1 = | MUR 34.7263 | MUR 35.0844 | MUR 34.8964 | MUR 35.0163 |
| | | S | USD 1 = | MUR 35.7423 | MUR 36.4160 | MUR 36.2114 | MUR 36.3058 |
| | MUR | B | EUR 1 = | MUR 38.3484 | MUR 38.9008 | MUR 38.9218 | MUR 39.2726 |
| | | S | EUR 1 = | MUR 39.4735 | MUR 40.3918 | MUR 40.4018 | MUR 40.7285 |
| Mexico | | | | | | | |
| Mexico City 412 | Mexican peso = 100 centavos MXN | B | USD 1 = | MXN 15.9184 | MXN 18.7635 | MXN 18.8440 | MXN 19.3740 |
| | | S | USD 1 = | MXN 15.9229 | MXN 18.7685 | MXN 18.8490 | MXN 19.3820 |
| | MXN | V, B | EUR 1 = | MXN 17.6302 | MXN 20.8519 | MXN 20.9771 | MXN 21.6233 |
| | | V, S | EUR 1 = | MXN 17.6345 | MXN 20.8574 | MXN 20.9827 | MXN 21.6323 |
| Moldova, Republic of | | | | | | | |
| Chisinau 074 | Moldovan leu = 100 bani MDL | M | USD 1 = | MDL 18.8210 | MDL 19.7744 | MDL 19.7707 | MDL 19.7566 |
| | | M | EUR 1 = | MDL 20.8780 | MDL 21.9180 | MDL 22.3231 | MDL 22.1611 |
| Mongolia | | | | | | | |
| Ulan Bator 716 | Togrog = 100 mongo MNT | M | USD 1 = | MNT 1,974.22 | MNT 2,073.09 | MNT 2,219.65 | MNT 2,287.30 |
| | | M | EUR 1 = | MNT 2,179.24 | MNT 2,298.64 | MNT 2,472.02 | MNT 2,558.46 |

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

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|---------------------------------------------------------|--------------------------------------|-----------------|-------------|------------------------|----------------------|--------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Morocco | | | | | | | |
| Rabat 204 | Moroccan dirham = 100 centimes | B | USD 1 = | MAD 9.7456 | MAD 9.7191 | MAD 9.7361 | MAD 9.6952 |
| | | S | USD 1 = | MAD 9.8042 | MAD 9.7775 | MAD 9.7946 | MAD 9.7534 |
| | MAD | B | EUR 1 = | MAD 10.799 | MAD 10.858 | MAD 10.846 | MAD 10.875 |
| | | S | EUR 1 = | MAD 10.864 | MAD 10.923 | MAD 10.911 | MAD 10.940 |
| Mozambique | | | | | | | |
| Maputo 366 | Metical = 100 centavos | B | USD 1 = | MZN 38.76 | MZN 69.12 | MZN 73.01 | MZN 77.15 |
| | | S | USD 1 = | MZN 38.94 | MZN 69.18 | MZN 73.21 | MZN 77.25 |
| | MZN | B | EUR 1 = | MZN 42.75 | MZN 77.07 | MZN 81.28 | MZN 86.36 |
| | | S | EUR 1 = | MZN 42.95 | MZN 77.13 | MZN 81.51 | MZN 86.47 |
| Myanmar | | | | | | | |
| Nay Pyi Taw 676 | Kyat = 100 pyas MMK | M | USD 1 = | MMK 1,169.92 | MMK 1,187.00 | MMK 1,208.00 | MMK 1,255.00 |
| | | M | EUR 1 = | MMK 1,292.10 | MMK 1,314.90 | MMK 1,352.70 | MMK 1,407.70 |
| Namibia ¹ | | | | | | | |
| Windhoek 389 | Namibia dollar = 100 cents NAD | M | USD 1 = | NAD 12.9343 | NAD 14.1660 | NAD 14.4686 | NAD 13.8944 |
| | | M | EUR 1 = | NAD 14.2685 | NAD 15.7006 | NAD 16.1144 | NAD 15.5884 |
| Nepal | | | | | | | |
| Kathmandu 672 | Nepalese rupee = 100 paisa | B | USD 1 = | NPR 102.58 | NPR 106.98 | NPR 106.96 | NPR 106.70 |
| | | S | USD 1 = | NPR 103.18 | NPR 107.58 | NPR 107.56 | NPR 107.30 |
| | NPR | B | EUR 1 = | NPR 113.13 | NPR 118.75 | NPR 119.45 | NPR 119.72 |
| | | S | EUR 1 = | NPR 113.79 | NPR 119.42 | NPR 120.12 | NPR 120.40 |
| Netherlands | | | | | | | |
| Amsterdam Seat of Government: The Hague 003 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| New Caledonia ¹ | | | | | | | |
| Nouméa 809 | CFP franc XPF | V | XPF 1,000 = | USD 9.30 | USD 9.31 | USD 9.33 | USD 9.35 |
| | | 2 | XPF 1,000 = | EUR 8.38 | EUR 8.38 | EUR 8.38 | EUR 8.38 |
| New Zealand | | | | | | | |
| Wellington 804 | New Zealand dollar = 100 cents | B | NZD 1 = | USD 0.7138 | USD 0.7255 | USD 0.7397 | USD 0.7418 |
| | | S | NZD 1 = | USD 0.6883 | USD 0.6998 | USD 0.7136 | USD 0.7156 |
| | NZD | B | NZD 1 = | EUR 0.6454 | EUR 0.6568 | EUR 0.6655 | EUR 0.6637 |
| | | S | NZD 1 = | EUR 0.6174 | EUR 0.6285 | EUR 0.6370 | EUR 0.6353 |

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

IV Overview of world currencies *

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

| Country 1 Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|--------------------------------------|-------------------------------------------|----------------------|---------|------------------------|----------------------|---------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Nicaragua | | | | | | | |
| Managua 432 | Córdoba = 100 centavos NIO | M V, M | USD 1 = | NIO 27.3105 | NIO 28.7326 | NIO 28.8516 | NIO 28.9672 |
| | | | EUR 1 = | NIO 30.16196 | NIO 31.93054 | NIO 32.11760 | NIO 32.33029 |
| Niger 1 | | | | | | | |
| Niamey 240 | CFA franc XOF | V 2 | USD 1 = | XOF 591.219 | XOF 590.261 | XOF 589.254 | XOF 587.722 |
| | | | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Nigeria 1 | | | | | | | |
| Abuja 288 | Naira = 100 kobo NGN | B S B S | USD 1 = | NGN 192.41 | NGN 312.00 | NGN 305.00 | NGN 304.25 |
| | | | USD 1 = | NGN 193.41 | NGN 313.00 | NGN 306.00 | NGN 305.25 |
| | | | EUR 1 = | NGN 213.1516 | NGN 346.7880 | NGN 339.6480 | NGN 339.4822 |
| | | | EUR 1 = | NGN 214.2602 | NGN 347.8995 | NGN 340.7616 | NGN 340.5980 |
| Norway | | | | | | | |
| Oslo 028 | Norwegian krone = 100 øre NOK | B S B S | USD 1 = | NOK 8.0474 | NOK 8.5319 | NOK 8.3133 | NOK 8.0304 |
| | | | USD 1 = | NOK 8.1007 | NOK 8.5969 | NOK 8.3783 | NOK 8.0954 |
| | | | EUR 1 = | NOK 8.9594 | NOK 9.4606 | NOK 9.2587 | NOK 9.0033 |
| | | | EUR 1 = | NOK 9.0185 | NOK 9.5326 | NOK 9.3307 | NOK 9.0753 |
| Oman | | | | | | | |
| Muscat 649 | Rial Omani = 1,000 baisa OMR | B 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 0.4243904 | OMR 0.4287360 | OMR 0.4284288 | OMR 0.4311936 |
| | | | EUR 1 = | OMR 0.4256239 | OMR 0.4305070 | OMR 0.4295830 | OMR 0.4324320 |
| Pakistan | | | | | | | |
| Islamabad 662 | Pakistani rupee = 100 paisa PKR | B S B S | USD 1 = | PKR 102.50 | PKR 104.40 | PKR 104.65 | PKR 104.55 |
| | | | USD 1 = | PKR 102.70 | PKR 104.60 | PKR 104.85 | PKR 104.75 |
| | | | EUR 1 = | PKR 113.65 | PKR 115.75 | PKR 116.74 | PKR 117.26 |
| | | | EUR 1 = | PKR 113.87 | PKR 115.97 | PKR 116.96 | PKR 117.49 |
| Panama 1 | | | | | | | |
| Panama City 442 | Balboa = 100 centésimos PAB | 3 V | USD 1 = | PAB 1 | PAB 1 | PAB 1 | PAB 1 |
| | | | EUR 1 = | PAB 1.1095 | PAB 1.1113 | PAB 1.1132 | PAB 1.1161 |
| Papua New Guinea | | | | | | | |
| Port Moresby 801 | Kina = 100 toea PGK | B S B S | PGK 1 = | USD 0.3671 | USD 0.3230 | USD 0.3230 | USD 0.3230 |
| | | | PGK 1 = | USD 0.3521 | USD 0.3080 | USD 0.3080 | USD 0.3080 |
| | | | PGK 1 = | EUR 0.3297 | EUR 0.2897 | EUR 0.2878 | EUR 0.2859 |
| | | | PGK 1 = | EUR 0.3150 | EUR 0.2750 | EUR 0.2732 | EUR 0.2714 |

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

IV Overview of world currencies *

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

| Country 1 Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|--------------------------------------|----------------------------------------|-----------------|---------|------------------------|----------------------|--------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Paraguay | | | | | | | |
| Asunción 520 | Guaraní = 100 céntimos | B | USD 1 = | PYG 5,221.61 | PYG 5,539.51 | PYG 5,519.80 | PYG 5,550.17 |
| | | S | USD 1 = | PYG 5,234.91 | PYG 5,547.62 | PYG 5,535.84 | PYG 5,560.62 |
| | PYG | V, B | EUR 1 = | PYG 5,790.07 | PYG 6,156.06 | PYG 6,144.64 | PYG 6,194.54 |
| | | V, S | EUR 1 = | PYG 5,804.81 | PYG 6,165.07 | PYG 6,162.50 | PYG 6,206.21 |
| Peru 1 | | | | | | | |
| Lima 504 | Nuevo sol / Sol = 100 céntimos | B | USD 1 = | PEN 3.186 | PEN 3.350 | PEN 3.390 | PEN 3.397 |
| | | S | USD 1 = | PEN 3.190 | PEN 3.360 | PEN 3.395 | PEN 3.403 |
| | PEN | B | EUR 1 = | PEN 3.449 | PEN 3.663 | PEN 3.684 | PEN 3.718 |
| | | S | EUR 1 = | PEN 3.670 | PEN 3.792 | PEN 3.862 | PEN 3.927 |
| Philippines | | | | | | | |
| Manila 708 | Philippine peso = 100 centavos | B | USD 1 = | PHP 45.05641 | PHP 46.42691 | PHP 45.90459 | PHP 47.79675 |
| | | S | USD 1 = | PHP 46.06485 | PHP 47.79310 | PHP 47.25541 | PHP 49.20325 |
| | PHP | B | EUR 1 = | PHP 49.84945 | PHP 51.42708 | PHP 51.16067 | PHP 53.65185 |
| | | S | EUR 1 = | PHP 50.96459 | PHP 52.94041 | PHP 52.66615 | PHP 55.23065 |
| Poland | | | | | | | |
| Warsaw 060 | Polish zloty = 100 groszy PLN | M | USD 1 = | PLN 3.7730 | PLN 3.9364 | PLN 3.9082 | PLN 3.8558 |
| | | M | EUR 1 = | PLN 4.1848 | PLN 4.3684 | PLN 4.3555 | PLN 4.3120 |
| Portugal | | | | | | | |
| Lisbon 010 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Qatar | | | | | | | |
| Doha 644 | Qatari riyal = 100 dirham QAR | M | USD 1 = | QAR 3.6401 | QAR 3.6400 | QAR 3.6400 | QAR 3.6400 |
| | | V, M | EUR 1 = | QAR 4.022 | QAR 4.045 | QAR 4.052 | QAR 4.063 |
| Romania | | | | | | | |
| Bucharest 066 | Romanian leu = 100 bani RON | M | USD 1 = | RON 4.0062 | RON 4.0203 | RON 3.9945 | RON 3.9822 |
| | | M | EUR 1 = | RON 4.4401 | RON 4.4654 | RON 4.4535 | RON 4.4523 |
| Russian Federation | | | | | | | |
| Moscow 075 | Russian rouble = 100 kopecks RUB | M | USD 1 = | RUB 61.2861 | RUB 67.0512 | RUB 64.9072 | RUB 63.1581 |
| | | M | EUR 1 = | RUB 68.4684 | RUB 74.3799 | RUB 72.5013 | RUB 70.8823 |

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

IV Overview of world currencies *

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

| Country 1 Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|-----------------------------------------------------|-------------------------------------------------------|-----------------|---------|------------------------|----------------------|----------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Rwanda | | | | | | | |
| Kigali 324 | Rwanda franc = 100 centimes | B | USD 1 = | RWF 713.556558 | RWF 785.281486 | RWF 799.329920 | RWF 802.212416 |
| | | S | USD 1 = | RWF 727.826248 | RWF 800.985530 | RWF 815.314904 | RWF 818.255044 |
| | RWF | B | EUR 1 = | RWF 791.636938 | RWF 869.738510 | RWF 890.693330 | RWF 900.322995 |
| | | S | EUR 1 = | RWF 807.468077 | RWF 887.131523 | RWF 908.505397 | RWF 918.327636 |
| Saint Helena, Ascension and Tristan da Cunha | | | | | | | |
| Jamestown 329 | Saint Helena pound ² = 100 pence SHP | V | USD 1 = | SHP 0.65420 | SHP 0.75947 | SHP 0.76182 | SHP 0.77146 |
| | | V | EUR 1 = | SHP 0.72584 | SHP 0.84400 | SHP 0.84806 | SHP 0.86103 |
| Saint Kitts and Nevis | | | | | | | |
| Basseterre 449 | East Caribbean dollar = 100 cents | B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | XCD | V, B | EUR 1 = | XCD 2.9826 | XCD 2.9874 | XCD 2.9925 | XCD 3.0003 |
| | | V, S | EUR 1 = | XCD 3.0144 | XCD 3.0193 | XCD 3.0245 | XCD 3.0323 |
| Saint Lucia | | | | | | | |
| Castries 465 | East Caribbean dollar = 100 cents | B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | XCD | V, B | EUR 1 = | XCD 2.9826 | XCD 2.9874 | XCD 2.9925 | XCD 3.0003 |
| | | V, S | EUR 1 = | XCD 3.0144 | XCD 3.0193 | XCD 3.0245 | XCD 3.0323 |
| Saint Vincent and the Grenadines | | | | | | | |
| Kingstown 467 | East Caribbean dollar = 100 cents | B | USD 1 = | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 | XCD 2.6882 |
| | | S | USD 1 = | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 | XCD 2.7169 |
| | XCD | V, B | EUR 1 = | XCD 2.9826 | XCD 2.9874 | XCD 2.9925 | XCD 3.0003 |
| | | V, S | EUR 1 = | XCD 3.0144 | XCD 3.0193 | XCD 3.0245 | XCD 3.0323 |
| Samoa | | | | | | | |
| Apia 819 | Tala = 100 sene WST | M | WST 1 = | USD 0.39008 | USD 0.39271 | USD 0.39539 | USD 0.39757 |
| | | M | WST 1 = | EUR 0.35283 | EUR 0.35467 | EUR 0.35494 | EUR 0.35467 |
| Sao Tome and Principe ¹ | | | | | | | |
| São Tomé 311 | Dobra = 100 céntimos | B | USD 1 = | STD 22,224.17 | STD 22,091.97 | STD 21,937.68 | STD 21,826.28 |
| | | S | USD 1 = | STD 22,557.53 | STD 22,423.35 | STD 22,266.74 | STD 22,153.67 |
| | STD | M | EUR 1 = | STD 24,500.00 | STD 24,500.00 | STD 24,500.00 | STD 24,500.00 |
| Saudi Arabia | | | | | | | |
| Riyadh 632 | Saudi riyal = 100 halalah | B | USD 1 = | SAR 3.7440 | SAR 3.7440 | SAR 3.7440 | SAR 3.7440 |
| | | S | USD 1 = | SAR 3.7540 | SAR 3.7540 | SAR 3.7540 | SAR 3.7540 |
| | SAR | B | EUR 1 = | SAR 4.0403 | SAR 4.0438 | SAR 4.0898 | SAR 4.1158 |
| | | S | EUR 1 = | SAR 4.2823 | SAR 4.3571 | SAR 4.3280 | SAR 4.3544 |

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

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|-------------------------------------------------|------------------------------------------------|-----------------|-----------|------------------------|----------------------|--------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Senegal ¹ | | | | | | | |
| Dakar 248 | CFA franc | V | USD 1 = | XOF 591.219 | XOF 590.261 | XOF 589.254 | XOF 587.722 |
| | XOF | 2 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Serbia | | | | | | | |
| Belgrade 098 | Serbian dinar = 100 para | B | USD 1 = | RSD 108.5753 | RSD 110.8859 | RSD 110.1197 | RSD 109.5668 |
| | | S | USD 1 = | RSD 109.2288 | RSD 111.5533 | RSD 110.7825 | RSD 110.2262 |
| | RSD | B | EUR 1 = | RSD 120.3764 | RSD 122.8949 | RSD 122.8276 | RSD 122.9230 |
| | | S | EUR 1 = | RSD 121.1008 | RSD 123.6345 | RSD 123.5668 | RSD 123.6628 |
| Seychelles | | | | | | | |
| Victoria 355 | Seychelles rupee = 100 cents | B | USD 1 = | SCR 12.9659 | SCR 12.9822 | SCR 12.8719 | SCR 12.9513 |
| | | S | USD 1 = | SCR 13.4927 | SCR 13.4993 | SCR 13.5550 | SCR 13.5706 |
| | SCR | B | EUR 1 = | SCR 14.3586 | SCR 14.6321 | SCR 14.6472 | SCR 14.8936 |
| | | S | EUR 1 = | SCR 14.9151 | SCR 14.9609 | SCR 15.1108 | SCR 15.1112 |
| Sierra Leone | | | | | | | |
| Freetown 264 | Leone = 100 cents | B | USD 1 = | SLL 5,041.44 | SLL 6,035.52 | SLL 6,221.07 | SLL 6,507.10 |
| | | S | USD 1 = | SLL 5,143.28 | SLL 6,157.45 | SLL 6,346.74 | SLL 6,638.55 |
| | SLL | V, B | EUR 1 = | SLL 5,565.69 | SLL 6,707.27 | SLL 6,925.30 | SLL 7,262.57 |
| | | V, S | EUR 1 = | SLL 5,678.13 | SLL 6,842.77 | SLL 7,065.19 | SLL 7,409.29 |
| Singapore ¹ | | | | | | | |
| Singapore 706 | Singapore dollar = 100 cents SGD | M | USD 1 = | SGD 1.3764 | SGD 1.3475 | SGD 1.3630 | SGD 1.3656 |
| | | M | EUR 1 = | SGD 1.5225 | SGD 1.4949 | SGD 1.5204 | SGD 1.5318 |
| Sint Maarten (southern part) | | | | | | | |
| Philipsburg 479 | Netherlands Antillean guilder = 100 cent | B | USD 1 = | ANG 1.78 | ANG 1.78 | ANG 1.78 | ANG 1.78 |
| | | S | USD 1 = | ANG 1.82 | ANG 1.82 | ANG 1.82 | ANG 1.82 |
| | ANG | B | EUR 100 = | ANG 196.73 | ANG 197.93 | ANG 198.27 | ANG 198.78 |
| | | S | EUR 100 = | ANG 200.69 | ANG 201.92 | ANG 202.26 | ANG 202.79 |
| Slovakia | | | | | | | |
| Bratislava 063 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Slovenia | | | | | | | |
| Ljubljana 091 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Solomon Islands | | | | | | | |
| Honiara 806 | Solomon Islands dollar = 100 cents SBD | M | SBD 1 = | USD 0.1260 | USD 0.1263 | USD 0.1268 | USD 0.1275 |
| | | M | SBD 1 = | EUR 0.1145 | EUR 0.1140 | EUR 0.1138 | EUR 0.1136 |

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

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|--------------------------------------------------------|----------------------------------------|-----------------|---------|-------------------------|----------------------|-------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Somalia ¹ | | | | | | | |
| Mogadishu 342 | Somali shilling | M | USD 1 = | . | . | . | . |
| | SOS | M | EUR 1 = | . | . | . | . |
| South Africa | | | | | | | |
| Pretoria Seat of Parliament: Cape Town 388 | South African rand = 100 cents | B | USD 1 = | ZAR 12.6568 | ZAR 13.7808 | ZAR 14.4480 | ZAR 13.6125 |
| | | S | USD 1 = | ZAR 12.9743 | ZAR 14.0983 | ZAR 14.7655 | ZAR 13.9300 |
| | ZAR | B | EUR 1 = | ZAR 14.0492 | ZAR 15.3496 | ZAR 16.0749 | ZAR 15.2378 |
| | | S | EUR 1 = | ZAR 14.4799 | ZAR 15.7833 | ZAR 16.5058 | ZAR 15.6719 |
| South Sudan ¹ | | | | | | | |
| Juba 225 | South Sudanese pound = 100 piastres | B | USD 1 = | SSP 2.9377 ² | SSP . | SSP . | SSP . |
| | | S | USD 1 = | SSP 2.9623 ² | SSP . | SSP . | SSP . |
| | SSP | B | EUR 1 = | SSP 3.2421 ³ | SSP . | SSP . | SSP . |
| | | S | EUR 1 = | SSP 3.2800 ³ | SSP . | SSP . | SSP . |
| Spain | | | | | | | |
| Madrid 011 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.1095 | USD 1.1113 | USD 1.1132 | USD 1.1161 |
| Sri Lanka | | | | | | | |
| Colombo 669 | Sri Lanka rupee = 100 cents | B | USD 1 = | LKR 134.72 | LKR 144.04 | LKR 143.62 | LKR 144.66 |
| | | S | USD 1 = | LKR 138.24 | LKR 147.68 | LKR 147.40 | LKR 148.46 |
| | LKR | B | EUR 1 = | LKR 148.39 | LKR 158.64 | LKR 159.19 | LKR 161.29 |
| | | S | EUR 1 = | LKR 154.02 | LKR 164.68 | LKR 165.36 | LKR 167.50 |
| Sudan | | | | | | | |
| Khartoum 224 | Sudanese pound = 100 piastres | B | USD 1 = | SDG 6.0172 | SDG 6.0771 | SDG 6.0771 | SDG 6.1986 |
| | | S | USD 1 = | SDG 6.0473 | SDG 6.1075 | SDG 6.1075 | SDG 6.2296 |
| | SDG | B | EUR 1 = | SDG 6.6521 | SDG 6.7948 | SDG 6.7796 | SDG 6.9623 |
| | | S | EUR 1 = | SDG 6.6854 | SDG 6.8288 | SDG 6.8135 | SDG 6.9971 |
| Suriname | | | | | | | |
| Paramaribo 492 | Suriname dollar = 100 cent | B | USD 1 = | SRD 3.368 | SRD 7.146 | SRD 7.398 | SRD 7.595 |
| | | S | USD 1 = | SRD 3.465 | SRD 7.273 | SRD 7.530 | SRD 7.730 |
| | SRD | B | EUR 1 = | SRD 3.712 | SRD 7.925 | SRD 8.262 | SRD 8.522 |
| | | S | EUR 1 = | SRD 3.819 | SRD 8.066 | SRD 8.410 | SRD 8.674 |
| Swaziland ¹ | | | | | | | |
| Mbabane 393 | Lilangeni = 100 cents | B | USD 1 = | SZL 12.8764 | SZL 14.1486 | SZL 14.4240 | SZL 13.9988 |
| | | S | USD 1 = | SZL 12.9196 | SZL 14.1701 | SZL 14.4740 | SZL 14.0488 |
| | SZL | B | EUR 1 = | SZL 14.19967 | SZL 15.6993 | SZL 16.0683 | SZL 15.6534 |
| | | S | EUR 1 = | SZL 14.24928 | SZL 15.7260 | SZL 16.1269 | SZL 15.7107 |
| Sweden | | | | | | | |
| Stockholm 030 | Swedish krona = 100 öre | B | USD 1 = | SEK 8.4006 | SEK 8.5848 | SEK 8.5097 | SEK 8.5862 |
| | | S | USD 1 = | SEK 8.4681 | SEK 8.6523 | SEK 8.5772 | SEK 8.6537 |
| | SEK | B | EUR 1 = | SEK 9.3083 | SEK 9.5429 | SEK 9.4971 | SEK 9.6155 |
| | | S | EUR 1 = | SEK 9.3598 | SEK 9.5944 | SEK 9.5486 | SEK 9.6670 |

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

² Pegged to the US dollar until mid-December 2015. ³ Average from January to November 2015.

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|----------------------------------------------------------|--------------------------------------------------|-----------------|---------|------------------------|----------------------|----------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Switzerland | | | | | | | |
| Berne 039 | Swiss franc = 100 rappen / centimes CHF | B | USD 1 = | CHF 0.9626 | CHF 0.9774 | CHF 0.9826 | CHF 0.9684 |
| | | B | EUR 1 = | CHF 1.0635 | CHF 1.0844 | CHF 1.0956 | CHF 1.0829 |
| Syrian Arab Republic | | | | | | | |
| Damascus 608 | Syrian pound = 100 piastres SYP | B | USD 1 = | SYP 241.34 | SYP 467.09 | SYP 497.07 | SYP 497.07 |
| | | S | USD 1 = | SYP 242.80 | SYP 469.90 | SYP 500.06 | SYP 500.06 |
| | | B | EUR 1 = | SYP 265.85 | SYP 521.69 | SYP 554.31 | SYP 557.95 |
| | | S | EUR 1 = | SYP 267.72 | SYP 525.35 | SYP 558.20 | SYP 561.87 |
| Tajikistan | | | | | | | |
| Dushanbe 082 | Somoni = 100 diram TJS | M | USD 1 = | TJS 6.1934 | TJS 7.8685 | TJS 7.8695 | TJS 7.8722 |
| | | M | EUR 1 = | TJS 6.8665 | TJS 8.7285 | TJS 8.7894 | TJS 8.8350 |
| Tanzania, United Republic of | | | | | | | |
| Dodoma Seat of Government: Dar es Salaam 352 | Tanzania shilling = 100 cents TZS | B | USD 1 = | TZS 1,990.8787 | TZS 2,168.1683 | TZS 2,165.7327 | TZS 2,162.0000 |
| | | S | USD 1 = | TZS 2,010.7875 | TZS 2,189.8500 | TZS 2,187.3900 | TZS 2,183.6200 |
| | | B | EUR 1 = | TZS 2,195.1744 | TZS 2,404.2818 | TZS 2,415.4417 | TZS 2,422.9534 |
| | | S | EUR 1 = | TZS 2,217.5630 | TZS 2,429.2006 | TZS 2,440.4710 | TZS 2,447.4013 |
| Thailand | | | | | | | |
| Bangkok 680 | Thai baht = 100 satang THB | B | USD 1 = | THB 34.1461 | THB 34.7093 | THB 34.4603 | THB 34.5243 |
| | | S | USD 1 = | THB 34.4524 | THB 35.0415 | THB 34.8079 | THB 34.8755 |
| | | B | EUR 1 = | THB 37.6767 | THB 38.2529 | THB 38.2092 | THB 38.4972 |
| | | S | EUR 1 = | THB 38.3431 | THB 39.0247 | THB 38.9770 | THB 39.2818 |
| Togo ¹ | | | | | | | |
| Lomé 280 | CFA franc XOF | V | USD 1 = | XOF 591.219 | XOF 590.261 | XOF 589.254 | XOF 587.722 |
| | | 2 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Tonga | | | | | | | |
| Nuku'alofa 817 | Pa'anga = 100 seniti TOP | M | TOP 1 = | USD 0.4723 | USD 0.4514 | USD 0.4555 | USD 0.4595 |
| | | M | TOP 1 = | EUR 0.4279 | EUR 0.4067 | EUR 0.4075 | EUR 0.4083 |
| Trinidad and Tobago | | | | | | | |
| Port-of-Spain 472 | Trinidad and Tobago dollar = 100 cents TTD | B | USD 1 = | TTD 6.3181 | TTD 6.6863 | TTD 6.6561 | TTD 6.6871 |
| | | S | USD 1 = | TTD 6.3733 | TTD 6.7125 | TTD 6.7201 | TTD 6.7392 |
| | | B | EUR 1 = | TTD 6.9266 | TTD 7.3572 | TTD 7.5605 | TTD 7.4208 |
| | | S | EUR 1 = | TTD 7.2816 | TTD 7.7151 | TTD 7.9256 | TTD 7.8188 |

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

IV Overview of world currencies *

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

| Country 1 Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|------------------------------------------|--------------------------------------------------|-----------------|-----------|------------------------|----------------------|----------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Tunisia | | | | | | | |
| Tunis 212 | Tunisian dinar = 1,000 millimes | B | USD 1 = | TND 1.9524 | TND 2.2044 | TND 2.2023 | TND 2.1923 |
| | | S | USD 1 = | TND 1.9563 | TND 2.2067 | TND 2.2046 | TND 2.1944 |
| | TND | B | EUR 1 = | TND 2.1625 | TND 2.4526 | TND 2.4553 | TND 2.4583 |
| | | S | EUR 1 = | TND 2.1668 | TND 2.4550 | TND 2.4578 | TND 2.4607 |
| Turkey | | | | | | | |
| Ankara 052 | Turkish lira = 100 kuruş | B | USD 1 = | TRY 2.7200 | TRY 3.0167 | TRY 2.9545 | TRY 2.9959 |
| | | S | USD 1 = | TRY 2.7249 | TRY 3.0221 | TRY 2.9598 | TRY 3.0013 |
| | TRY | B | EUR 1 = | TRY 3.0326 | TRY 3.3467 | TRY 3.3040 | TRY 3.3608 |
| | | S | EUR 1 = | TRY 3.0381 | TRY 3.3528 | TRY 3.3100 | TRY 3.3669 |
| Turkmenistan | | | | | | | |
| Ashgabat 080 | Turkmen manat = 100 tenge TMT | M | USD 1 = | TMT 3.50 | TMT 3.50 | TMT 3.50 | TMT 3.50 |
| | | M | EUR 1 = | TMT 3.8786 | TMT 3.8847 | TMT 3.9081 | TMT 3.9274 |
| Uganda | | | | | | | |
| Kampala 350 | Uganda shilling | B | USD 1 = | UGX 3,257.40 | UGX 3,370.63 | UGX 3,370.64 | UGX 3,383.56 |
| | | S | USD 1 = | UGX 3,267.41 | UGX 3,380.63 | UGX 3,380.64 | UGX 3,393.56 |
| | UGX | B | EUR 1 = | UGX 3,594.17 | UGX 3,735.67 | UGX 3,758.60 | UGX 3,799.74 |
| | | S | EUR 1 = | UGX 3,605.22 | UGX 3,746.75 | UGX 3,769.75 | UGX 3,810.97 |
| Ukraine | | | | | | | |
| Kyiv 072 | Hryvnia = 100 kopiyok UAH | M | USD 100 = | UAH 2,199.5317 | UAH 2,479.8204 | UAH 2,565.2241 | UAH 2,591.1879 |
| | | M | EUR 100 = | UAH 2,434.6740 | UAH 2,750.1208 | UAH 2,864.8423 | UAH 2,907.5719 |
| United Arab Emirates ¹ | | | | | | | |
| Abu Dhabi 647 | United Arab Emirates dirham = 100 fils AED | M | USD 1 = | AED 3.6725 | AED 3.6725 | AED 3.6725 | AED 3.6725 |
| | | V, M | EUR 1 = | AED 4.0565 | AED 4.0812 | AED 4.0882 | AED 4.0989 |
| United Kingdom ¹ | | | | | | | |
| London 006 | Pound sterling = 100 pence GBP | M | GBP 1 = | USD 1.5286 | USD 1.3267 | USD 1.3099 | USD 1.2991 |
| | | M | EUR 1 = | GBP 0.7236 | GBP 0.8427 | GBP 0.8500 | GBP 0.8652 |
| United States | | | | | | | |
| Washington 400 | US dollar = 100 cents USD | M | EUR 1 = | USD 1.10306 | USD 1.1170 | USD 1.1156 | USD 1.1238 |
| | | M | GBP 1 = | USD 1.52887 | USD 1.3226 | USD 1.3137 | USD 1.2975 |

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

IV Overview of world currencies *

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

| Country ¹ Capital Country code | Currency ISO currency code | Type of rate | Unit | Annual average 2015 | Rate at end of month | | |
|-------------------------------------------------------|-------------------------------------------|-----------------|----------------|------------------------|----------------------|----------------|----------------|
| | | | | | July 2016 | August 2016 | September 2016 |
| Uruguay | | | | | | | |
| Montevideo 524 | Uruguayan peso = 100 centésimos UYU | M | USD 1 = | UYU 27.389 | UYU 29.752 | UYU 28.798 | UYU 28.380 |
| | | M | EUR 1 = | UYU 30.3701 | UYU 33.2612 | UYU 32.1256 | UYU 31.8977 |
| Uzbekistan | | | | | | | |
| Tashkent 081 | Uzbekistan sum = 100 tiyin UZS | M | USD 1 = | UZS 2,575.45 | UZS 2,964.03 | UZS 2,989.64 | UZS 3,010.20 |
| | | M | EUR 1 = | UZS 2,871.14 | UZS 3,291.37 | UZS 3,383.67 | UZS 3,379.55 |
| Vanuatu | | | | | | | |
| Port Vila 816 | Vatu VUV | B | USD 1 = | VUV 108.71 | VUV 108.55 | VUV 108.18 | VUV 107.23 |
| | | S | USD 1 = | VUV 114.17 | VUV 114.01 | VUV 113.61 | VUV 112.62 |
| | | B | EUR 1 = | VUV 119.79 | VUV 120.02 | VUV 120.32 | VUV 120.45 |
| | | S | EUR 1 = | VUV 124.37 | VUV 124.62 | VUV 124.93 | VUV 125.06 |
| Venezuela, Bolivarian Republic of ¹ | | | | | | | |
| Caracas 484 | Bolívar = 100 céntimos VEF | ² B | USD 1 = | VEF 6.2842 | VEF 9.975 | VEF 9.975 | VEF 9.975 |
| | | S | USD 1 = | VEF 6.3000 | VEF 10.000 | VEF 10.000 | VEF 10.000 |
| | | B | EUR 1 = | VEF 6.94027048 | VEF 11.1500550 | VEF 11.1251175 | VEF 11.2049175 |
| | | S | EUR 1 = | VEF 6.95987250 | VEF 11.1820000 | VEF 11.1580000 | VEF 11.2340000 |
| | | ³ B | USD 1 = | VEF 195.6779 | VEF 643.4810 | VEF 643.7656 | VEF 657.2380 |
| | | S | USD 1 = | VEF 196.1683 | VEF 645.0938 | VEF 645.3791 | VEF 658.8853 |
| B | EUR 1 = | VEF 215.634902 | VEF 719.283062 | VEF 717.991774 | VEF 738.275445 | | |
| S | EUR 1 = | VEF 216.241590 | VEF 721.343887 | VEF 720.114000 | VEF 740.191746 | | |
| Viet Nam | | | | | | | |
| Hanoi 690 | Dong = 10 hào = 100 xu VND | B | USD 1 = | VND 21,926 | VND 22,260 | VND 22,265 | VND 22,265 |
| | | S | USD 1 = | VND 21,993 | VND 22,330 | VND 22,335 | VND 22,335 |
| | | B | EUR 1 = | VND 24,064.95 | VND 24,585.19 | VND 24,725.06 | VND 24,788.34 |
| S | EUR 1 = | VND 24,381.26 | VND 24,830.08 | VND 24,971.19 | VND 25,035.04 | | |
| Yemen | | | | | | | |
| Sana'a 653 | Yemeni rial = 100 fils YER | B | USD 1 = | YER 214.87 | YER 250.00 | YER 250.00 | YER 250.00 |
| | | S | USD 1 = | YER 214.91 | YER 250.50 | YER 250.50 | YER 250.50 |
| | | B | EUR 1 = | YER 237.37 | YER 279.60 | YER 278.83 | YER 280.75 |
| | | S | EUR 1 = | YER 237.41 | YER 280.16 | YER 279.38 | YER 281.31 |
| Zambia | | | | | | | |
| Lusaka 378 | Kwacha = 100 ngwee ZMW | B | USD 1 = | ZMW 8.7719 | ZMW 10.2260 | ZMW 9.5086 | ZMW 9.9159 |
| | | S | USD 1 = | ZMW 8.7919 | ZMW 10.2734 | ZMW 9.5552 | ZMW 9.9624 |
| | | B | EUR 1 = | ZMW 9.6840 | ZMW 11.4030 | ZMW 10.5878 | ZMW 11.0751 |
| | | S | EUR 1 = | ZMW 9.7081 | ZMW 11.4590 | ZMW 10.6436 | ZMW 11.1300 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 53. ¹ Explanatory notes on individual countries, see p 57 ff. ² Until end-February 2016: official rate; since end-March 2016: DIPRO. ³ Until

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

IV Overview of world currencies *

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

As of end-September 2016

| Country or territory (country code) | Currency | Country or territory (country code) | Currency |
|-------------------------------------|------------------------|---------------------------------------------|--------------------------------|
| Åland Islands | Euro | Madeira (010) | Euro |
| Alhucemas | Euro | Marie-Galante (001) | Euro |
| American Samoa (830) | US dollar | Marshall Islands (824) | US dollar |
| Andaman Islands | Indian rupee | Martinique (001) | Euro |
| Andorra ¹ (043) | Euro | Mayotte (377) | Euro |
| Anguilla (446) | East Caribbean dollar | Melilla (023) | Euro |
| Azores (010) | Euro | Micronesia, Federated States of (823) | US dollar |
| | | Monaco ¹ (001) | Euro |
| | | Montenegro (097) | Euro |
| | | Montserrat (470) | East Caribbean dollar |
| 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 (500) | US dollar | Saba (475) | US dollar |
| | | San Marino ¹ (047) | Euro |
| Faroe Islands ¹ (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 |
| | | Swan Islands (424) | Honduran lempira |
| Galapagos Islands (500) | US dollar | | |
| Gozo (Island of) | Euro | | |
| Greenland (406) | Danish krone | | |
| Guadeloupe (001) | Euro | Tahiti (822) | CFP franc |
| Guam (831) | US dollar | Tibet (720) | Chinese yuan renminbi |
| Guernsey ¹ (107) | British pound sterling | Timor-Leste ¹ (626) | US dollar |
| | | Tokelau (839) | New Zealand dollar/Samoan tala |
| | | Turks and Caicos Islands ¹ (454) | US dollar |
| Howland Island (832) | US dollar | Tuvalu ¹ (807) | Australian dollar |
| | | | |
| Isle of Man ¹ (109) | British pound sterling | | |
| | | Vatican City ¹ (045) | Euro |
| Jarvis Island (832) | US dollar | Virgin Islands of the United States (457) | US dollar |
| Java | Indonesian rupiah | | |
| Jersey ¹ (108) | British pound sterling | | |
| | | | |
| Kiribati ¹ (812) | Australian dollar | Wallis and Futuna (Islands) (811) | CFP franc |
| Kosovo (095) | Euro | Western Sahara | Moroccan dirham |
| | Serbian dinar | | |
| | | | |
| Laccadive Islands | Indian rupee | Zanzibar (Island) (352) | Tanzania shilling |
| Les Saintes Islands (001) | Euro | Zimbabwe (382) | US dollar ² |
| Liechtenstein (037) | Swiss franc | | |

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

euro, pound sterling, Botswana pula (since 2 February 2009); Japanese yen, Chinese yuan renminbi, Indian rupee, Australian dollar (since January 2014).

V Value of the special drawing right in selected currencies *

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

SDR 1 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 |
| 2012 Sep | 1.54219 | 1.19272 | 9.77899 | 119.628 | 0.952499 | 1.51705 | 1.44272 | 8.89229 | 8.78974 | 10.0680 |
| Oct | 1.54057 | 1.18569 | 9.70591 | 122.691 | 0.955922 | 1.53995 | 1.43057 | 8.84502 | 8.75695 | 10.2185 |
| Nov | 1.53481 | 1.18190 | 9.65270 | 126.545 | 0.955849 | 1.52437 | 1.41970 | 8.81686 | 8.71771 | 10.2063 |
| Dec | 1.53692 | 1.16583 | 9.66660 | 133.020 | 0.953662 | 1.52954 | 1.40874 | 8.69762 | 8.55432 | 10.0140 |
| 2013 Jan | 1.54134 | 1.13752 | 9.67886 | 140.369 | 0.976582 | 1.54010 | 1.40508 | 8.48738 | 8.45745 | 9.80286 |
| Feb | 1.51483 | 1.15380 | 9.50995 | 140.092 | 0.997128 | 1.55800 | 1.41000 | 8.60274 | 8.63849 | 9.7482 |
| Mar | 1.49920 | 1.16987 | 9.39832 | 140.999 | 0.990619 | 1.52139 | 1.42738 | 8.73332 | 8.71612 | 9.76134 |
| Apr | 1.50900 | 1.15437 | 9.35769 | 147.746 | 0.974488 | 1.51986 | 1.41288 | 8.60704 | 8.78194 | 9.89844 |
| May | 1.49877 | 1.15237 | 9.26175 | 151.420 | 0.985125 | 1.54958 | 1.42892 | 8.59166 | 8.77408 | 9.87264 |
| June | 1.50396 | 1.14982 | 9.29247 | 148.696 | 0.98743 | 1.57594 | 1.42094 | 8.57618 | 9.06569 | 10.0970 |
| July | 1.51326 | 1.13993 | 9.35008 | 148.390 | 0.995827 | 1.55669 | 1.40521 | 8.49755 | 8.96604 | 9.94194 |
| Aug | 1.51528 | 1.14490 | 9.35060 | 148.997 | 0.977536 | 1.59907 | 1.40951 | 8.54022 | 9.26286 | 9.99111 |
| Sep | 1.53408 | 1.13594 | 9.43156 | 149.957 | 0.949722 | 1.57780 | 1.38865 | 8.47185 | 9.21693 | 9.86368 |
| Oct | 1.53804 | 1.12751 | 9.44742 | 151.466 | 0.959058 | 1.60402 | 1.39100 | 8.40986 | 9.13734 | 9.87547 |
| Nov | 1.53521 | 1.12916 | 9.41540 | 155.624 | 0.940751 | 1.62655 | 1.38905 | 8.42197 | 9.31897 | 10.0835 |
| Dec | 1.54000 | 1.11732 | 9.39770 | 162.162 | 0.935148 | 1.63856 | 1.37291 | 8.33556 | 9.41398 | 10.0229 |
| 2014 Jan | 1.53420 | 1.13510 | 9.37884 | 157.747 | 0.932079 | 1.70588 | 1.38431 | 8.46998 | 9.6609 | 10.0125 |
| Feb | 1.54740 | 1.12025 | 9.47230 | 157.526 | 0.927257 | 1.71375 | 1.36450 | 8.35988 | 9.26999 | 10.0439 |
| Mar | 1.54563 | 1.12100 | 9.50887 | 158.968 | 0.928695 | 1.70838 | 1.36633 | 8.36925 | 9.25386 | 10.0571 |
| Apr | 1.54969 | 1.11891 | 9.54299 | 158.967 | 0.921285 | 1.69800 | 1.36698 | 8.35143 | 9.25566 | 10.1799 |
| May | 1.54047 | 1.13212 | 9.50390 | 156.573 | 0.920785 | 1.67403 | 1.38149 | 8.45059 | 9.21837 | 10.2538 |
| June | 1.54589 | 1.13186 | 9.51158 | 156.599 | 0.907482 | 1.65039 | 1.37631 | 8.43889 | 9.51158 | 10.4202 |
| July | 1.53131 | 1.14456 | 9.44430 | 157.388 | 0.907013 | 1.66759 | 1.39226 | 8.53424 | 9.62001 | 10.5544 |
| Aug | 1.51838 | 1.15134 | 9.36040 | 157.472 | 0.915131 | 1.64866 | 1.38856 | 8.57979 | 9.37937 | 10.5872 |
| Sep | 1.48258 | 1.17824 | 9.12159 | 162.150 | 0.916305 | 1.66168 | 1.42046 | 8.76978 | 9.56627 | 10.7314 |
| Oct | 1.47833 | 1.18040 | 9.08595 | 163.459 | 0.923728 | 1.66681 | 1.41757 | 8.78735 | 10.0216 | 10.8662 |
| Nov | 1.46424 | 1.17374 | 8.98368 | 172.546 | 0.929973 | 1.64522 | 1.41446 | 8.73218 | 9.98841 | 10.8774 |
| Dec | 1.44881 | 1.19332 | 8.86525 | 174.733 | 0.928247 | 1.68076 | 1.43301 | 8.86611 | 10.7693 | 11.3176 |
| 2015 Jan | 1.40980 | 1.24706 | 8.65194 | 166.667 | 0.934763 | 1.79285 | 1.30223 | 9.28315 | 11.0159 | 11.6534 |
| Feb | 1.40739 | 1.25213 | 8.65194 | 167.846 | 0.912176 | 1.76037 | 1.33534 | 9.34833 | 10.7357 | 11.7788 |
| Mar | 1.37949 | 1.28217 | 8.47314 | 165.691 | 0.932088 | 1.74961 | 1.34197 | 9.57735 | 11.1594 | 11.8956 |
| Apr | 1.40642 | 1.25405 | 8.59838 | 166.674 | 0.911718 | 1.70444 | 1.31598 | 9.35918 | 10.5145 | 11.6984 |
| May | 1.39050 | 1.26755 | 8.50933 | 172.075 | 0.911926 | 1.73326 | 1.30944 | 9.45555 | 10.8198 | 11.7894 |
| June | 1.40639 | 1.25694 | 8.59816 | 172.213 | 0.894767 | 1.75433 | 1.30823 | 9.37726 | 11.0497 | 11.5871 |
| July | 1.39470 | 1.27172 | 8.53170 | 172.901 | 0.895528 | 1.81966 | 1.34212 | 9.48902 | 11.4474 | 12.0354 |
| Aug | 1.40380 | 1.25172 | 8.96933 | 170.141 | 0.914997 | 1.85624 | 1.35382 | 9.34143 | 11.7142 | 11.8760 |
| Sep | 1.40374 | 1.25300 | 8.92961 | 168.378 | 0.923574 | 1.88016 | 1.36640 | 9.34719 | 11.9341 | 11.7748 |
| Oct | 1.39687 | 1.26793 | 8.86942 | 168.840 | 0.910075 | 1.82753 | 1.38137 | 9.45600 | 11.9096 | 11.8987 |
| Nov | 1.37217 | 1.29707 | 8.77855 | 168.502 | 0.914411 | 1.82951 | 1.41484 | 9.67661 | 11.9245 | 11.9797 |
| Dec | 1.38573 | 1.27283 | 8.99548 | 167.116 | 0.935104 | 1.91785 | 1.37478 | 9.47221 | 12.2069 | 11.5742 |
| 2016 Jan | 1.38050 | 1.26419 | 9.07853 | 167.040 | 0.965111 | 1.94374 | 1.40783 | 9.43450 | 11.9902 | 11.7571 |
| Feb | 1.38131 | 1.26866 | 9.04429 | 156.641 | 0.997049 | 1.86795 | 1.38394 | 9.46450 | 12.0578 | 11.7931 |
| Mar | 1.40882 | 1.23744 | 9.11129 | 158.675 | 0.978139 | 1.82738 | 1.35529 | 9.22041 | 11.6498 | 11.4779 |
| Apr | 1.41733 | 1.24294 | 9.19084 | 158.372 | 0.969847 | 1.77861 | 1.36390 | 9.25249 | 11.4537 | 11.3943 |
| May | 1.40288 | 1.25774 | 9.23753 | 155.846 | 0.959693 | 1.83777 | 1.38913 | 9.35454 | 11.7220 | 11.6901 |
| June | 1.39884 | 1.25999 | 9.29463 | 143.941 | 1.03710 | 1.81976 | 1.36527 | 9.37348 | 11.7190 | 11.8640 |
| July | 1.39338 | 1.25383 | 9.27042 | 144.912 | 1.05743 | 1.81711 | 1.35799 | 9.32523 | 11.9229 | 12.0072 |
| Aug | 1.39434 | 1.25255 | 9.31255 | 143.561 | 1.06131 | 1.82993 | 1.37245 | 9.32297 | 11.6193 | 11.9107 |
| Sep | 1.39581 | 1.25062 | 9.31064 | 141.089 | 1.07693 | 1.83089 | 1.35980 | 9.31871 | 11.2387 | 12.0301 |

V Value of the special drawing right in selected currencies *

2 Daily rates

SDR 1 = CU ...

| Period | US dollar USD | Euro EUR | Chinese yuan renminbi CNY | Japanese yen JPY | Pound sterling GBP | Canadian dollar CAD | Swiss franc CHF | Danish krone DKK | Norwegian krone NOK | Swedish krona SEK | |
|-----------|------------------|-------------|---------------------------------|---------------------|-----------------------|------------------------|--------------------|---------------------|---------------------------|----------------------|---------|
| 2016 July | 1 | 1.39596 | 1.25367 | 9.29446 | 143.645 | 1.050540 | . | 1.36009 | 9.32470 | 11.6560 | 11.8246 |
| | 5 | 1.39684 | 1.25322 | 9.31515 | 142.715 | 1.061430 | 1.80877 | 1.35689 | 9.32392 | 11.6797 | 11.7627 |
| | 6 | 1.39286 | 1.25834 | 9.31697 | 140.540 | 1.073000 | 1.81141 | 1.36208 | 9.36347 | 11.7677 | 11.8805 |
| | 7 | 1.39316 | 1.25737 | 9.31315 | 140.640 | 1.069110 | 1.80888 | 1.36098 | 9.35620 | 11.7919 | 11.9192 |
| | 8 | 1.39257 | 1.25797 | 9.31350 | 140.510 | 1.072610 | 1.82051 | 1.36472 | 9.36084 | 11.8161 | 11.9327 |
| | 11 | 1.38962 | 1.25769 | 9.29403 | 139.962 | 1.070500 | 1.82415 | 1.36641 | 9.35366 | 11.8300 | 11.9439 |
| | 12 | 1.39194 | 1.25490 | 9.31021 | 143.369 | 1.057620 | 1.81174 | 1.36674 | 9.33376 | 11.7332 | 11.8614 |
| | 13 | 1.39193 | 1.25716 | 9.31350 | 145.178 | 1.046800 | 1.80464 | 1.37063 | 9.35060 | 11.7099 | 11.9234 |
| | 14 | 1.39122 | 1.24695 | 9.30432 | 144.895 | 1.052360 | 1.79676 | 1.36326 | 9.27455 | 11.6274 | 11.8098 |
| | 15 | 1.39392 | 1.25263 | 9.31532 | 147.268 | 1.042420 | 1.80862 | 1.36451 | 9.31645 | 11.6723 | 11.8409 |
| | 18 | 1.38883 | 1.25652 | 9.30354 | . | 1.049520 | 1.80326 | 1.36647 | 9.34684 | 11.7644 | . |
| | 19 | 1.38799 | 1.25781 | 9.28859 | 146.989 | 1.054070 | 1.80842 | 1.36482 | 9.35673 | 11.7591 | 11.8816 |
| | 20 | 1.38551 | 1.25807 | 9.26063 | 146.878 | 1.052020 | 1.80671 | 1.36653 | 9.35804 | 11.7695 | 11.9613 |
| | 21 | 1.38614 | 1.25841 | 9.24967 | 148.608 | 1.051300 | 1.80988 | 1.36770 | 9.36128 | 11.7712 | 11.9086 |
| | 22 | 1.38545 | 1.25790 | 9.23847 | 146.664 | 1.057030 | 1.82575 | 1.36633 | 9.35751 | 11.8050 | 11.9310 |
| | 25 | 1.38443 | 1.26063 | 9.24659 | 147.345 | 1.054320 | 1.83090 | 1.36394 | 9.37822 | 11.8627 | 11.9969 |
| | 26 | 1.38688 | 1.26115 | 9.25952 | 144.791 | 1.057080 | 1.83193 | 1.36941 | 9.38201 | 11.9014 | 11.9821 |
| | 27 | 1.38514 | 1.26025 | 9.23677 | 145.647 | 1.057280 | 1.83115 | 1.37641 | 9.37515 | 11.8951 | 11.9943 |
| | 28 | 1.39032 | 1.25367 | 9.25592 | 145.775 | 1.057360 | 1.83105 | 1.36835 | 9.32714 | 11.8353 | 11.9372 |
| | 29 | 1.39338 | 1.25383 | 9.27042 | 144.912 | 1.057430 | 1.81711 | 1.35799 | 9.32523 | 11.9229 | 12.0072 |
| Aug | 1 | 1.39693 | 1.25128 | 9.27265 | 143.102 | 1.05981 | . | 1.35349 | 9.30813 | 11.8190 | 11.9516 |
| | 2 | 1.39924 | 1.25010 | 9.29290 | 143.352 | 1.05715 | 1.83146 | 1.35166 | 9.29947 | 11.7963 | 11.9813 |
| | 3 | 1.40142 | 1.25127 | 9.29005 | 141.894 | 1.05007 | 1.83306 | 1.35700 | 9.30787 | 11.7914 | 11.9383 |
| | 4 | 1.39776 | 1.25517 | 9.27876 | 141.663 | 1.05213 | 1.82058 | 1.36114 | 9.33637 | 11.8135 | 11.9569 |
| | 5 | 1.39726 | 1.25248 | 9.28212 | 141.473 | 1.06183 | 1.84159 | 1.36149 | 9.31498 | 11.7760 | 11.9112 |
| | 8 | 1.39205 | 1.25557 | 9.27231 | 142.128 | 1.06540 | 1.83249 | 1.36699 | 9.33742 | 11.8105 | 11.9406 |
| | 9 | 1.39140 | 1.25600 | 9.26982 | 142.410 | 1.07163 | 1.82510 | 1.36775 | 9.34047 | 11.7525 | 11.9453 |
| | 10 | 1.39714 | 1.24923 | 9.28764 | 141.810 | 1.06913 | 1.82467 | 1.36557 | 9.29230 | 11.5643 | 11.8944 |
| | 11 | 1.39505 | 1.25083 | 9.26535 | . | 1.07477 | 1.81454 | 1.36003 | 9.30440 | 11.5443 | 11.8008 |
| | 12 | 1.39423 | 1.24953 | 9.26355 | 142.267 | 1.07554 | 1.80483 | 1.35979 | 9.29627 | 11.4501 | 11.7875 |
| | 15 | 1.39557 | 1.24828 | 9.26733 | 141.372 | 1.08025 | 1.80336 | 1.35971 | 9.28781 | 11.4532 | 11.8148 |
| | 16 | 1.40211 | 1.24135 | 9.29454 | 140.603 | 1.08021 | 1.80339 | 1.34855 | 9.23523 | 11.4329 | 11.8182 |
| | 17 | 1.40120 | 1.24264 | 9.29135 | 140.821 | 1.07719 | 1.80545 | 1.34964 | 9.24684 | 11.5332 | 11.7900 |
| | 18 | 1.40555 | 1.24154 | 9.31541 | 140.274 | 1.06853 | 1.79559 | 1.34694 | 9.23924 | 11.4706 | 11.7744 |
| | 19 | 1.40542 | 1.24088 | 9.34117 | 141.034 | 1.07120 | 1.80990 | 1.34583 | 9.23429 | 11.5461 | 11.7643 |
| | 22 | 1.40343 | 1.24131 | 9.34475 | 141.409 | 1.07246 | 1.81631 | 1.35220 | 9.23788 | 11.5791 | 11.8124 |
| | 23 | 1.40647 | 1.24038 | 9.34143 | 140.829 | 1.06704 | 1.81462 | 1.35288 | 9.23131 | 11.5201 | 11.7429 |
| | 24 | 1.40485 | 1.24676 | 9.34745 | 140.977 | 1.06091 | 1.81788 | 1.35568 | 9.27988 | 11.5275 | 11.7774 |
| | 25 | 1.40460 | 1.24411 | 9.34719 | 141.092 | 1.06433 | 1.81713 | 1.35558 | 9.26123 | 11.5418 | 11.8043 |
| | 26 | 1.40453 | 1.24405 | 9.36110 | 141.085 | 1.06396 | 1.81845 | 1.35860 | 9.26346 | 11.5076 | 11.7971 |
| | 29 | 1.39671 | 1.25041 | 9.32749 | 142.353 | 1.06741 | 1.81837 | 1.36584 | 9.30951 | 11.5952 | 11.8533 |
| | 30 | 1.39584 | 1.24986 | 9.32323 | 142.292 | 1.06683 | 1.82520 | 1.36750 | 9.30492 | 11.6078 | 11.8617 |
| | 31 | 1.39434 | 1.25255 | 9.31255 | 143.561 | 1.06131 | 1.82993 | 1.37245 | 9.32297 | 11.6193 | 11.9107 |
| Sep | 1 | 1.39542 | 1.25195 | 9.32158 | 144.245 | 1.05347 | 1.82898 | 1.37365 | 9.31680 | 11.6494 | 11.9910 |
| | 2 | 1.39709 | 1.24818 | 9.33210 | 144.319 | 1.05385 | 1.81607 | 1.36872 | 9.28686 | 11.6293 | 11.9610 |
| | 6 | 1.39746 | 1.25232 | 9.33559 | 144.637 | 1.04828 | 1.79476 | 1.36770 | 9.31914 | 11.5355 | 11.9333 |
| | 7 | 1.40340 | 1.24891 | 9.35314 | 142.375 | 1.04880 | 1.80969 | 1.35906 | 9.29696 | 11.4829 | 11.8778 |
| | 8 | 1.40510 | 1.24389 | 9.36268 | 142.842 | 1.05077 | 1.81384 | 1.35957 | 9.25814 | 11.4375 | 11.8391 |
| | 9 | 1.40206 | 1.24429 | 9.36505 | 143.361 | 1.05300 | 1.82731 | 1.36617 | 9.26106 | 11.5059 | 11.8389 |
| | 12 | 1.40048 | 1.24754 | 9.35480 | 143.732 | 1.05577 | 1.83141 | 1.36589 | 9.28591 | 11.5663 | 11.8895 |
| | 13 | 1.40081 | 1.24549 | 9.35699 | 142.742 | 1.05562 | 1.84444 | 1.36144 | 9.27111 | 11.4978 | 11.9131 |
| | 14 | 1.39920 | 1.24728 | 9.33489 | 144.257 | 1.06008 | 1.84540 | 1.36492 | 9.28496 | 11.5683 | 11.9077 |
| | 15 | 1.40031 | 1.24428 | . | 143.518 | 1.05892 | 1.84085 | 1.36321 | 9.26535 | 11.5281 | 11.9352 |
| | 16 | 1.39988 | 1.24700 | . | 142.717 | 1.06285 | 1.84966 | 1.36516 | 9.28652 | 11.5503 | 11.8831 |
| | 19 | 1.39579 | 1.25015 | 9.30882 | . | 1.06957 | 1.83979 | 1.36941 | 9.31394 | 11.5645 | 11.9587 |
| | 20 | 1.39560 | 1.24786 | 9.30977 | 142.240 | 1.07611 | 1.84610 | 1.36476 | 9.29904 | 11.5612 | 11.9255 |
| | 21 | 1.39503 | 1.25114 | 9.30709 | 141.986 | 1.07326 | 1.83948 | 1.36224 | 9.32671 | 11.5503 | 12.0015 |
| | 22 | 1.40028 | 1.24602 | 9.33977 | . | 1.07277 | 1.82583 | 1.35519 | 9.28824 | 11.3479 | 12.0468 |
| | 23 | 1.39891 | 1.24747 | 9.33045 | 141.290 | 1.07825 | 1.84167 | 1.35723 | 9.30016 | 11.3555 | 11.9441 |
| | 26 | 1.39962 | 1.24278 | 9.33628 | 141.081 | 1.08279 | 1.84707 | 1.35441 | 9.26355 | 11.3488 | 11.9646 |
| | 27 | 1.40022 | 1.24797 | 9.33611 | 141.114 | 1.08075 | 1.85501 | 1.35611 | 9.29748 | 11.3699 | 11.9353 |
| | 28 | 1.39910 | 1.24642 | 9.33297 | 140.722 | 1.07474 | 1.85269 | 1.35895 | 9.28721 | 11.3284 | 12.0240 |
| | 29 | 1.39830 | 1.24615 | 9.32784 | 141.788 | 1.07438 | 1.83191 | 1.35733 | 9.28669 | 11.2656 | 11.9826 |
| | 30 | 1.39581 | 1.25062 | 9.31064 | 141.089 | 1.07693 | 1.83089 | 1.35980 | 9.31871 | 11.2387 | 12.0301 |
| Oct | 3 | 1.39768 | 1.24393 | . | 141.739 | 1.08474 | 1.83614 | 1.35687 | 9.26269 | 11.1488 | 11.9752 |
| | 4 | 1.39274 | 1.24786 | . | 142.060 | 1.09106 | 1.83424 | 1.36433 | 9.28634 | 11.1279 | 11.9713 |
| | 5 | 1.39327 | 1.24277 | . | 143.297 | 1.09490 | 1.83604 | 1.36164 | 9.24838 | 11.1690 | 11.9403 |
| | 6 | 1.39106 | 1.24369 | . | 143.919 | 1.09481 | 1.83760 | 1.36102 | 9.25463 | 11.1854 | 11.9687 |
| | 7 | 1.38611 | 1.24426 | . | 143.878 | 1.11982 | 1.84408 | 1.36061 | 9.25797 | 11.1996 | 12.0091 |

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2015

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

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2015

| Exchange rate arrangement | Monetary Policy Framework | | | | | | |
|-----------------------------------------------------|---------------------------|------|---------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Exchange rate target | | | | Monetary aggregate target | Inflation-targeting framework | Other ¹ |
| | US dollar | Euro | Exchange rate anchor Composite | Other | | | |
| Pegged exchange rate within horizontal bands | | | Tonga | | | | |
| Other managed arrangement | Liberia | | Algeria Syrian Arab Republic | | Myanmar Nigeria | Kyrgyzstan Malaysia Pakistan Sudan Vanuatu | |
| Floating | | | | | Afghanistan Gambia Madagascar Malawi Mozambique Seychelles Sierra Leone Tanzania, United Republic of Ukraine Uruguay | Albania Brazil Colombia Georgia Ghana Hungary Iceland India Indonesia Israel Korea, Republic of Moldova, Republic of New Zealand Paraguay Peru Philippines Romania Russian Federation Serbia South Africa Thailand Turkey Uganda | Kenya ⁹ Mauritius Mongolia Zambia |
| Free floating | | | | | | Australia Canada Chile Japan Mexico Norway Poland Sweden United Kingdom | Somalia United States EMU Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Latvia Lithuania Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain |

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

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

VII ISO currency codes *

As of end-September 2016

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

* Extracted and compiled from ISO communications. ¹ See Explanatory notes on individual countries, p 57 ff.

VII ISO currency codes *

As of end-September 2016

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

■ Explanatory notes

■ Euro foreign exchange reference rates of the European Central Bank

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

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

Since 4 January 1999, the ECB has published euro foreign exchange reference rates for selected currencies each working day. These rates are calculated on the basis of the daily concertation between central banks which takes place at 14.15 CET. Only one reference rate, ie the middle rate, is established by this procedure. The ECB changed the publication time of the euro foreign exchange reference rates from around 14.30 CET to around 16.00 CET with effect from 1 July 2016.

■ Effective exchange rates of the euro

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

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

page 52 shows trading partners' membership of the EER-19 and EER-38 groups as well as their percentage weights. To prevent breaks in the time series, the indices of two consecutive weighting periods are chain-linked beyond the end of the first period. For information on the revision of trade weights carried out in August 2015, see the ECB's website (www.ecb.europa.eu/stats/exchange/effective/html/index.en.html).

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

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

■ Indicators of the German economy's price competitiveness

The calculation of indicators of the German economy's price competitiveness, shown as a *memo item*, is methodologically consistent with the ECB's procedure for determining the effective exchange rates of the euro (see Deutsche Bundesbank, *Monthly Report*, November 2001, pp 50-53, May 2007, pp 31-35 and August 2015, pp 40-42).

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

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

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

Overall trade weights used in the calculation of the effective exchange rates (EER) of the euro^o

Figures in %

As of August 2015

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

^o Figures have been rounded. The ECB also publishes weighting schemes and indicators for a group of 12 countries as well as for a group of 18 countries.

■ Overview of world currencies

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

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

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

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

■ Value of the special drawing right

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

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

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

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

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

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

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

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

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

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

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

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

Global exchange rate arrangements and monetary policy framework

The overview of the exchange rate arrangements and monetary policy framework as at the end of April 2015 (see Table VI, pp 46-47) is based on the IMF's *Annual Report on Exchange Arrangements and Exchange Restrictions 2015*, which can be purchased from the IMF (<http://www.imfbookstore.org>).

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

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

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

The monetary policy frameworks listed are as follows.

Exchange rate anchor

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

Monetary aggregate target

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

Inflation-targeting framework

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

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

Other

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

Explanatory notes on individual countries

Angola

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

Bangladesh

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

Belarus

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

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

Benin

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

Bhutan

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

Brunei Darussalam

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

Burkina Faso

See Explanatory notes on Benin.

Cameroon

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

Central African Republic

See Explanatory notes on Cameroon.

Chad

See Explanatory notes on Cameroon.

Congo

See Explanatory notes on Cameroon.

Cook Islands

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

Côte d'Ivoire

See Explanatory notes on Benin.

Cuba

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

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

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

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

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

El Salvador

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

Equatorial Guinea

See Explanatory notes on Cameroon.

Gabon

See Explanatory notes on Cameroon.

Greece

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

Guinea-Bissau

See Explanatory notes on Benin.

India

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

Iran, Islamic Republic of

Alongside the published exchange rates, there are bureau de change rates, which deviate, and stood at USD 1 = IRR 35,760 and EUR 1 = IRR 40,250 at the end of September 2016, according to the German Embassy in Tehran.

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

Kenya

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

Lesotho

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

Liberia

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

Macao

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

Mali

See Explanatory notes on Benin.

Namibia

The South African rand is likewise legal tender alongside the Namibia dollar.

New Caledonia

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

Niger

See Explanatory notes on Benin.

Nigeria

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

Panama

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

Peru

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

Sao Tome and Principe

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

Senegal

See Explanatory notes on Benin.

Singapore

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

Somalia

No exchange rates are available for the Somali shilling.

South Sudan

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

Swaziland

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

Togo

See Explanatory notes on Benin.

United Arab Emirates

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

United Kingdom

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

Venezuela, Bolivarian Republic of

The exchange rate regime was modified with effect from 10 March 2016. A new system of foreign exchange controls came into force, replacing the previous system which was made up of the official market, the auction proce-

dure SICAD (Sistema Complementario de Administración de Divisas) and the forex trading system SIMADI (Sistema Marginal de Divisas). The new system consists of two exchange rates: one fixed by the state (DIPRO) and a complementary exchange rate (DICOM), which is a controlled fluctuating rate.

There is still a black market in which, according to press reports, the exchange rate was over 1,000 bolívar to the US dollar in mid-September 2016.

Exchange rate application until 9 March 2016

Official exchange rate

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

SIMADI

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

SICAD

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

Exchange rate application since 10 March 2016

DIPRO

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

DICOM

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

