



Exchange rate statistics August 2013

Statistical Supplement 5
to the Monthly Report

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

Postal address
Postfach 10 06 02
60006 Frankfurt am Main
Germany

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

Fax +49 69 9566 8606 or 3077

<http://www.bundesbank.de>

Reproduction permitted only if source is stated.

The German-language version of the Statistical Supplement Exchange rate statistics is published quarterly in printed form. The Deutsche Bundesbank also publishes an updated monthly edition in German and in English on its website. In cases of doubt, the original German-language version is the sole authoritative text.

ISSN 2190-8990 (online edition)

Cut-off date: 8 August 2013.

The Statistical Supplement Exchange rate statistics is published by the Deutsche Bundesbank, Frankfurt am Main, by virtue of section 18 of the Bundesbank Act. It is available to interested parties free of charge.

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. Additionally, a CD-ROM containing roughly 40,000 published Bundesbank time series, which is updated monthly, may be obtained for a fee from the Bundesbank's Statistical Information Systems and Mathematical Methods Division or downloaded from the Bundesbank's ExtraNet platform.

■ Contents

■ 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 | 7 |
| 2 Central rates and intervention rates in Exchange Rate Mechanism II | 7 |

■ II Euro reference exchange rates of the European Central Bank

| | |
|--|----|
| 1 Daily rates | 8 |
| 2 Monthly averages | 12 |
| 3 End-of-year rates and annual averages | 15 |
| 4 Exchange rates of major currencies (chart) | 17 |

■ III Effective exchange rates of the euro

| | |
|---|----|
| 1 Annual and monthly averages | 18 |
| 2 Nominal and real effective exchange rates based on consumer price indices (chart) | 19 |

■ IV Overview of world currencies

| | |
|--|----|
| 1 Currencies and exchange rates in individual countries | 20 |
| 2 Currencies in selected territories and states in which the currency of another country is legal tender | 43 |

■ V Value of the special drawing right in selected currencies

| | |
|--------------------------|----|
| 1 End of year | 44 |
| 2 End of month | 44 |
| 3 Daily rates | 45 |

■ VI Global exchange rate arrangements and monetary policy framework

46

■ VII ISO currency codes

48

■ Excerpts from official notifications and announcements on the euro and Exchange Rate Mechanism II

51

■ Explanatory notes

| | |
|---|----|
| Euro reference exchange rates of the European Central Bank | 57 |
| Effective exchange rates of the euro | 57 |
| Indicators of the German economy's price competitiveness | 57 |
| Overview of world currencies | 57 |
| Value of the special drawing right | 59 |
| Global exchange rate arrangements and monetary policy framework | 60 |

| | |
|---|----|
| ■ Explanatory notes on individual countries | 61 |
|---|----|

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 ... |
|----------------|-------------|--------------------|-------------------|----------------|
| 1999 January 1 | Austria | Austrian schilling | ATS | 13.7603 |
| | Belgium | Belgian franc | BEF | 40.3399 |
| | Finland | Finnish markka | FIM | 5.94573 |
| | France | French franc | FRF | 6.55957 |
| | Germany | Deutsche Mark | DEM | 1.95583 |
| | Ireland | Irish pound | IEP | 0.787564 |
| | Italy | Italian lira | ITL | 1,936.27 |
| | Luxembourg | Luxembourg franc | LUF | 40.3399 |
| | Netherlands | Dutch guilder | NLG | 2.20371 |
| | Portugal | Portuguese escudo | PTE | 200.482 |
| 2001 January 1 | Greece | Greek drachma | GRD | 340.750 |
| | | | | |
| 2008 January 1 | Cyprus | Cyprus pound | CYP | 0.585274 |
| | | | | |
| 2011 January 1 | Slovakia | Slovak koruna | SKK | 30.1260 |
| | | | | |

* Excerpts from official communications and announcements on the euro and Exchange Rate Mechanism II, see pp 51–56.

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 | 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 | 353.109 | ¹ 340.750 | – | – | – | – | – |
| | 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 | ² 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 | 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 | ³ 239.640 | – | – |
| | 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 | ⁴ 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 | 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 | ⁴ 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 | ⁵ 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 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, while the other currencies are subject to the standard fluctuation band of $\pm 15\%$. For additional unilateral commitments regarding narrower fluctuation bands,

see pp 51–56. ¹ Until 31 December 2000; accession to EMU on 1 January 2001. ² Until 31 December 2010; accession to EMU on 1 January 2011. ³ Until 31 December 2006; accession to EMU on 1 January 2007. ⁴ Until 31 December 2007; accession to EMU on 1 January 2008. ⁵ Until 31 December 2008; accession to EMU on 1 January 2009.

II Euro reference exchange rates of the European Central Bank *

1 Daily rates

EUR 1 = CU ...

| | | EU member countries | | | | | | | | |
|----------|----|----------------------|----------------------|---------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|---------------------|
| | | Bulgaria | Croatia ¹ | Czech Republic | Denmark | Hungary | Latvia | Lithuania | Poland | Romania |
| Period | | Bulgarian lev BGN | Croatian kuna HRK | Czech koruna CZK | Danish krone DKK | Hungarian forint HUF | Latvian lats LVL | Lithuanian litas LTL | Polish zloty PLN | Romanian leu RON |
| 2013 May | 2 | 1.9558 | 7.5822 | 25.650 | 7.4559 | 297.08 | 0.7001 | 3.4528 | 4.1465 | 4.3215 |
| | 3 | 1.9558 | 7.5827 | 25.640 | 7.4533 | 296.12 | 0.6999 | 3.4528 | 4.1407 | 4.3031 |
| | 6 | 1.9558 | 7.5721 | 25.693 | 7.4528 | 296.40 | 0.7001 | 3.4528 | 4.1515 | 4.3135 |
| | 7 | 1.9558 | 7.5707 | 25.747 | 7.4526 | 296.25 | 0.7002 | 3.4528 | 4.1520 | 4.3160 |
| | 8 | 1.9558 | 7.5710 | 25.862 | 7.4535 | 293.31 | 0.7000 | 3.4528 | 4.1361 | 4.3123 |
| | 9 | 1.9558 | 7.5713 | 25.792 | 7.4535 | 293.13 | 0.7001 | 3.4528 | 4.1262 | 4.3253 |
| | 10 | 1.9558 | 7.5713 | 25.808 | 7.4550 | 293.18 | 0.6998 | 3.4528 | 4.1435 | 4.3298 |
| | 13 | 1.9558 | 7.5615 | 25.844 | 7.4534 | 293.33 | 0.6998 | 3.4528 | 4.1555 | 4.3239 |
| | 14 | 1.9558 | 7.5630 | 25.887 | 7.4531 | 295.53 | 0.6993 | 3.4528 | 4.1665 | 4.3315 |
| | 15 | 1.9558 | 7.5615 | 26.003 | 7.4539 | 292.27 | 0.6994 | 3.4528 | 4.1827 | 4.3355 |
| | 16 | 1.9558 | 7.5695 | 25.980 | 7.4529 | 290.51 | 0.6992 | 3.4528 | 4.1827 | 4.3342 |
| | 17 | 1.9558 | 7.5710 | 25.989 | 7.4524 | 290.56 | 0.6993 | 3.4528 | 4.1704 | 4.3370 |
| | 20 | 1.9558 | 7.5710 | 26.121 | 7.4528 | 289.99 | 0.6997 | 3.4528 | 4.1821 | 4.3473 |
| | 21 | 1.9558 | 7.5713 | 26.098 | 7.4527 | 290.42 | 0.6999 | 3.4528 | 4.1898 | 4.3493 |
| | 22 | 1.9558 | 7.5745 | 26.069 | 7.4535 | 289.06 | 0.7002 | 3.4528 | 4.1784 | 4.3479 |
| | 23 | 1.9558 | 7.5765 | 26.094 | 7.4541 | 292.18 | 0.7005 | 3.4528 | 4.2092 | 4.3655 |
| | 24 | 1.9558 | 7.5685 | 25.993 | 7.4539 | 290.40 | 0.7003 | 3.4528 | 4.1982 | 4.3550 |
| | 27 | 1.9558 | 7.5620 | 25.968 | 7.4531 | 289.23 | 0.7013 | 3.4528 | 4.1935 | 4.3443 |
| | 28 | 1.9558 | 7.5593 | 25.889 | 7.4527 | 285.85 | 0.7012 | 3.4528 | 4.1805 | 4.3258 |
| | 29 | 1.9558 | 7.5635 | 25.899 | 7.4539 | 288.03 | 0.7013 | 3.4528 | 4.2250 | 4.3460 |
| | 30 | 1.9558 | 7.5605 | 25.795 | 7.4546 | 293.33 | 0.7014 | 3.4528 | 4.2667 | 4.3438 |
| | 31 | 1.9558 | 7.5500 | 25.711 | 7.4557 | 296.11 | 0.7018 | 3.4528 | 4.2792 | 4.3843 |
| June | 3 | 1.9558 | 7.5415 | 25.753 | 7.4542 | 295.40 | 0.7015 | 3.4528 | 4.2666 | 4.4080 |
| | 4 | 1.9558 | 7.5365 | 25.775 | 7.4545 | 291.53 | 0.7019 | 3.4528 | 4.2365 | 4.3960 |
| | 5 | 1.9558 | 7.5195 | 25.846 | 7.4545 | 294.67 | 0.7024 | 3.4528 | 4.2452 | 4.4258 |
| | 6 | 1.9558 | 7.5225 | 25.778 | 7.4548 | 297.37 | 0.7022 | 3.4528 | 4.2759 | 4.4871 |
| | 7 | 1.9558 | 7.5285 | 25.569 | 7.4558 | 295.72 | 0.7019 | 3.4528 | 4.3058 | 4.5503 |
| | 10 | 1.9558 | 7.5115 | 25.666 | 7.4560 | 297.20 | 0.7018 | 3.4528 | 4.2532 | 4.5235 |
| | 11 | 1.9558 | 7.4988 | 25.613 | 7.4575 | 299.71 | 0.7020 | 3.4528 | 4.2789 | 4.5113 |
| | 12 | 1.9558 | 7.4705 | 25.660 | 7.4571 | 296.40 | 0.7019 | 3.4528 | 4.2532 | 4.4910 |
| | 13 | 1.9558 | 7.4725 | 25.728 | 7.4591 | 294.85 | 0.7019 | 3.4528 | 4.2645 | 4.4715 |
| | 14 | 1.9558 | 7.4718 | 25.718 | 7.4582 | 291.41 | 0.7017 | 3.4528 | 4.2347 | 4.4588 |
| | 17 | 1.9558 | 7.4680 | 25.724 | 7.4586 | 290.60 | 0.7017 | 3.4528 | 4.2296 | 4.4508 |
| | 18 | 1.9558 | 7.4855 | 25.680 | 7.4595 | 293.62 | 0.7016 | 3.4528 | 4.2554 | 4.4998 |
| | 19 | 1.9558 | 7.4805 | 25.686 | 7.4596 | 293.99 | 0.7016 | 3.4528 | 4.2598 | 4.4978 |
| | 20 | 1.9558 | 7.4860 | 25.806 | 7.4588 | 298.80 | 0.7014 | 3.4528 | 4.3183 | 4.5260 |
| | 21 | 1.9558 | 7.4905 | 25.825 | 7.4582 | 298.87 | 0.7016 | 3.4528 | 4.3289 | 4.5350 |
| | 24 | 1.9558 | 7.4775 | 25.865 | 7.4590 | 299.97 | 0.7016 | 3.4528 | 4.3500 | 4.5408 |
| | 25 | 1.9558 | 7.4775 | 25.788 | 7.4593 | 296.85 | 0.7019 | 3.4528 | 4.3190 | 4.4697 |
| | 26 | 1.9558 | 7.4595 | 25.858 | 7.4599 | 297.28 | 0.7023 | 3.4528 | 4.3445 | 4.4500 |
| | 27 | 1.9558 | 7.4540 | 25.890 | 7.4593 | 294.98 | 0.7021 | 3.4528 | 4.3203 | 4.4523 |
| | 28 | 1.9558 | 7.4495 | 25.949 | 7.4588 | 294.85 | 0.7024 | 3.4528 | 4.3376 | 4.4603 |
| July | 1 | 1.9558 | 7.4438 | 25.980 | 7.4591 | 294.07 | 0.7022 | 3.4528 | 4.3329 | 4.4488 |
| | 2 | 1.9558 | 7.4490 | 25.983 | 7.4601 | 293.33 | 0.7017 | 3.4528 | 4.3329 | 4.4430 |
| | 3 | 1.9558 | 7.4705 | 26.020 | 7.4605 | 294.88 | 0.7020 | 3.4528 | 4.3365 | 4.4480 |
| | 4 | 1.9558 | 7.4928 | 26.050 | 7.4603 | 295.80 | 0.7019 | 3.4528 | 4.3083 | 4.4340 |
| | 5 | 1.9558 | 7.4998 | 25.875 | 7.4593 | 294.80 | 0.7019 | 3.4528 | 4.2847 | 4.4408 |
| | 8 | 1.9558 | 7.5180 | 25.938 | 7.4594 | 294.52 | 0.7021 | 3.4528 | 4.2959 | 4.4483 |
| | 9 | 1.9558 | 7.5210 | 25.875 | 7.4587 | 292.95 | 0.7025 | 3.4528 | 4.3263 | 4.4478 |
| | 10 | 1.9558 | 7.5400 | 25.929 | 7.4584 | 294.00 | 0.7022 | 3.4528 | 4.3325 | 4.4333 |
| | 11 | 1.9558 | 7.5440 | 25.898 | 7.4584 | 292.47 | 0.7026 | 3.4528 | 4.3349 | 4.4275 |
| | 12 | 1.9558 | 7.5320 | 25.951 | 7.4581 | 292.82 | 0.7027 | 3.4528 | 4.3193 | 4.4227 |
| | 15 | 1.9558 | 7.5315 | 26.010 | 7.4576 | 292.01 | 0.7026 | 3.4528 | 4.2855 | 4.4236 |
| | 16 | 1.9558 | 7.5235 | 25.960 | 7.4571 | 292.60 | 0.7025 | 3.4528 | 4.2560 | 4.4360 |
| | 17 | 1.9558 | 7.5160 | 25.968 | 7.4573 | 293.85 | 0.7025 | 3.4528 | 4.2610 | 4.4457 |
| | 18 | 1.9558 | 7.5125 | 25.925 | 7.4573 | 294.97 | 0.7024 | 3.4528 | 4.2490 | 4.4338 |
| | 19 | 1.9558 | 7.5165 | 25.931 | 7.4573 | 295.58 | 0.7025 | 3.4528 | 4.2468 | 4.4258 |
| | 22 | 1.9558 | 7.5095 | 25.976 | 7.4579 | 293.95 | 0.7025 | 3.4528 | 4.2175 | 4.4216 |
| | 23 | 1.9558 | 7.5048 | 25.977 | 7.4587 | 294.49 | 0.7022 | 3.4528 | 4.2147 | 4.4158 |
| | 24 | 1.9558 | 7.4953 | 25.930 | 7.4583 | 295.59 | 0.7025 | 3.4528 | 4.2075 | 4.3903 |
| | 25 | 1.9558 | 7.4955 | 25.959 | 7.4568 | 296.78 | 0.7025 | 3.4528 | 4.2433 | 4.3885 |
| | 26 | 1.9558 | 7.5075 | 25.948 | 7.4563 | 296.56 | 0.7025 | 3.4528 | 4.2375 | 4.3891 |
| | 29 | 1.9558 | 7.5055 | 25.914 | 7.4560 | 297.88 | 0.7024 | 3.4528 | 4.2294 | 4.4010 |
| | 30 | 1.9558 | 7.5045 | 25.856 | 7.4549 | 299.10 | 0.7027 | 3.4528 | 4.2252 | 4.3888 |
| | 31 | 1.9558 | 7.5065 | 25.857 | 7.4545 | 299.67 | 0.7028 | 3.4528 | 4.2370 | 4.4065 |
| Aug | 1 | 1.9558 | 7.5190 | 25.955 | 7.4551 | 298.83 | 0.7029 | 3.4528 | 4.2346 | 4.4230 |
| | 2 | 1.9558 | 7.5210 | 25.959 | 7.4547 | 300.25 | 0.7028 | 3.4528 | 4.2550 | 4.4385 |
| | 5 | 1.9558 | 7.5200 | 25.937 | 7.4554 | 298.56 | 0.7030 | 3.4528 | 4.2192 | 4.4220 |
| | 6 | 1.9558 | 7.5138 | 25.920 | 7.4567 | 299.65 | 0.7028 | 3.4528 | 4.2144 | 4.4053 |
| | 7 | 1.9558 | 7.4975 | 25.978 | 7.4571 | 299.52 | 0.7025 | 3.4528 | 4.2170 | 4.4330 |
| | 8 | 1.9558 | 7.5038 | 25.816 | 7.4574 | 298.91 | 0.7028 | 3.4528 | 4.2066 | 4.4540 |

* See Explanatory notes, p 57. 1 Accession to EU on 1 July 2013.

II Euro reference exchange 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 | | |
| 8.5503 | 0.84660 | 1.2871 | 2.6426 | 1.3285 | 8.1204 | 10.2357 | 70.9210 | 2013 May | 2 | |
| 8.5307 | 0.84310 | 1.2780 | 2.6334 | 1.3263 | 8.0725 | 10.1754 | 70.7170 | | 3 | |
| 8.5543 | 0.84310 | 1.2801 | 2.6373 | 1.3217 | 8.0826 | 10.1705 | 70.9940 | | 6 | |
| 8.5287 | 0.84420 | 1.2908 | 2.6374 | 1.3175 | 8.0658 | 10.1734 | 70.8930 | | 7 | |
| 8.5402 | 0.84690 | 1.2873 | 2.6347 | 1.3190 | 8.0665 | 10.1934 | 71.0930 | | 8 | |
| 8.5395 | 0.84435 | 1.2858 | 2.6356 | 1.3189 | 8.0572 | 10.1977 | 71.3360 | | 9 | |
| 8.5511 | 0.84430 | 1.2978 | 2.6244 | 1.3113 | 7.9782 | 10.0793 | 71.3110 | | 10 | |
| 8.5702 | 0.84410 | 1.3003 | 2.6147 | 1.3092 | 7.9742 | 10.0689 | 71.0113 | | 13 | |
| 8.6333 | 0.84815 | 1.3080 | 2.6053 | 1.3157 | 7.9715 | 10.0726 | 71.0690 | | 14 | |
| 8.5960 | 0.84640 | 1.3015 | 2.5997 | 1.3133 | 7.9050 | 9.9849 | 70.4527 | | 15 | |
| 8.5893 | 0.84550 | 1.3120 | 2.6151 | 1.3140 | 7.9263 | 10.0069 | 70.6050 | | 16 | |
| 8.5922 | 0.84475 | 1.3216 | 2.6100 | 1.3220 | 7.9040 | 9.9911 | 70.6060 | | 17 | |
| 8.5754 | 0.84560 | 1.3140 | 2.6134 | 1.3212 | 7.8903 | 9.9766 | 70.8010 | | 20 | |
| 8.5600 | 0.84910 | 1.3147 | 2.6293 | 1.3212 | 7.8955 | 9.9863 | 71.2970 | | 21 | |
| 8.5451 | 0.85570 | 1.3253 | 2.6344 | 1.3315 | 7.9232 | 10.0301 | 71.8070 | | 22 | |
| 8.5943 | 0.85515 | 1.3302 | 2.6463 | 1.3339 | 7.9055 | 10.0044 | 71.8050 | | 23 | |
| 8.5980 | 0.85695 | 1.3348 | 2.6470 | 1.3369 | 7.9341 | 10.0448 | 72.1300 | | 24 | |
| 8.5964 | 0.85560 | 1.3405 | 2.6542 | 1.3357 | 7.9201 | 10.0453 | 71.9100 | | 27 | |
| 8.5874 | 0.85530 | 1.3355 | 2.6568 | 1.3383 | 7.9200 | 10.0445 | 72.4080 | | 28 | |
| 8.6082 | 0.85695 | 1.3447 | 2.6866 | 1.3434 | 7.9384 | 10.0557 | 72.7580 | | 29 | |
| 8.5720 | 0.85570 | 1.3493 | 2.6870 | 1.3433 | 7.9428 | 10.0500 | 73.0490 | | 30 | |
| 8.5828 | 0.85365 | 1.3540 | 2.7664 | 1.3434 | 7.9789 | 10.0981 | 73.4980 | | 31 | |
| 8.5723 | 0.85180 | 1.3457 | 2.7752 | 1.3455 | 7.9761 | 10.0989 | 73.8140 | | June | 3 |
| 8.5704 | 0.85580 | 1.3538 | 2.7749 | 1.3510 | 8.0237 | 10.1612 | 73.9630 | | | 4 |
| 8.6255 | 0.85105 | 1.3647 | 2.7483 | 1.3509 | 8.0071 | 10.1414 | 74.2010 | | | 5 |
| 8.6072 | 0.84910 | 1.3789 | 2.7849 | 1.3529 | 8.0493 | 10.1835 | 74.5640 | | | 6 |
| 8.6912 | 0.85130 | 1.3926 | 2.8419 | 1.3568 | 8.1328 | 10.2928 | 75.6830 | | | 7 |
| 8.7144 | 0.85040 | 1.3983 | 2.8284 | 1.3455 | 8.1017 | 10.2549 | 76.8450 | | | 10 |
| 8.7454 | 0.85390 | 1.4206 | 2.8642 | 1.3594 | 8.1410 | 10.3057 | 77.5210 | | | 11 |
| 8.6808 | 0.84825 | 1.3927 | 2.8243 | 1.3489 | 8.1434 | 10.3095 | 76.7610 | | | 12 |
| 8.6765 | 0.84950 | 1.3919 | 2.8511 | 1.3541 | 8.1680 | 10.3387 | 77.3400 | | | 13 |
| 8.6096 | 0.85150 | 1.3841 | 2.8302 | 1.3524 | 8.1558 | 10.3258 | 76.5390 | 14 | | |
| 8.6122 | 0.84755 | 1.3876 | 2.8656 | 1.3548 | 8.1688 | 10.3491 | 77.2280 | 17 | | |
| 8.6753 | 0.85620 | 1.4131 | 2.9203 | 1.3635 | 8.1963 | 10.3762 | 78.6000 | 18 | | |
| 8.5750 | 0.85580 | 1.4105 | 2.9208 | 1.3673 | 8.2139 | 10.3981 | 78.8210 | 19 | | |
| 8.6724 | 0.85450 | 1.4323 | 2.9514 | 1.3651 | 8.0892 | 10.2375 | 78.7840 | 20 | | |
| 8.6927 | 0.85330 | 1.4296 | 2.9737 | 1.3705 | 8.0832 | 10.2239 | 78.1200 | 21 | | |
| 8.8884 | 0.85115 | 1.4246 | 2.9575 | 1.3797 | 8.0415 | 10.1520 | 78.1230 | 24 | | |
| 8.7683 | 0.84860 | 1.4156 | 2.8989 | 1.3770 | 8.0707 | 10.1876 | 78.3770 | 25 | | |
| 8.7615 | 0.84820 | 1.4033 | 2.8828 | 1.3649 | 8.0065 | 10.1048 | 79.1100 | 26 | | |
| 8.7560 | 0.85310 | 1.3995 | 2.8420 | 1.3599 | 8.0132 | 10.1092 | 78.4530 | 27 | | |
| 8.7773 | 0.85720 | 1.4171 | 2.8899 | 1.3714 | 8.0280 | 10.1477 | 77.7210 | 28 | | |
| 8.6958 | 0.85625 | 1.4190 | 2.9026 | 1.3714 | 7.9952 | 10.1108 | 77.6280 | July | 1 | |
| 8.7008 | 0.85790 | 1.4222 | 2.9182 | 1.3756 | 7.9833 | 10.0923 | 77.6270 | | 2 | |
| 8.7083 | 0.84920 | 1.4278 | 2.9376 | 1.3664 | 7.9449 | 10.0485 | 78.0970 | | 3 | |
| 8.7080 | 0.85980 | 1.4239 | 2.9432 | 1.3690 | 7.9537 | 10.0677 | 78.1960 | | 4 | |
| 8.6562 | 0.86055 | 1.4049 | 2.8987 | 1.3554 | 7.9006 | 9.9892 | 77.7680 | | 5 | |
| 8.7898 | 0.86160 | 1.4145 | 2.8916 | 1.3567 | 7.8818 | 9.9662 | 78.0700 | | 8 | |
| 8.7194 | 0.86500 | 1.4024 | 2.9085 | 1.3558 | 7.8811 | 9.9733 | 77.3280 | | 9 | |
| 8.6767 | 0.86020 | 1.3935 | 2.8990 | 1.3475 | 7.8601 | 9.9390 | 76.4360 | | 10 | |
| 8.7055 | 0.86290 | 1.4162 | 2.9450 | 1.3572 | 7.9982 | 10.1178 | 78.0400 | | 11 | |
| 8.7050 | 0.86270 | 1.4436 | 2.9542 | 1.3537 | 8.0005 | 10.1106 | 77.7220 | | 12 | |
| 8.7359 | 0.86470 | 1.4380 | 2.9516 | 1.3568 | 7.9865 | 10.0950 | 77.9350 | | 15 | |
| 8.6974 | 0.86930 | 1.4225 | 2.9022 | 1.3657 | 8.0479 | 10.1767 | 77.5860 | | 16 | |
| 8.6295 | 0.86315 | 1.4273 | 2.9669 | 1.3656 | 8.0595 | 10.1903 | 78.1130 | | 17 | |
| 8.6212 | 0.86090 | 1.4290 | 2.9332 | 1.3640 | 8.0408 | 10.1566 | 78.1000 | | 18 | |
| 8.5933 | 0.85995 | 1.4240 | 2.9173 | 1.3618 | 8.0548 | 10.1804 | 78.0880 | | 19 | |
| 8.5577 | 0.85900 | 1.4272 | 2.9497 | 1.3618 | 8.0856 | 10.2143 | 78.6320 | 22 | | |
| 8.5525 | 0.85955 | 1.4268 | 2.9507 | 1.3620 | 8.0891 | 10.2245 | 78.7180 | 23 | | |
| 8.5521 | 0.86260 | 1.4361 | 2.9396 | 1.3604 | 8.1264 | 10.2753 | 78.2570 | 24 | | |
| 8.6085 | 0.86370 | 1.4388 | 2.9711 | 1.3593 | 8.0992 | 10.2416 | 78.0350 | 25 | | |
| 8.6118 | 0.86105 | 1.4340 | 2.9764 | 1.3638 | 8.1305 | 10.2853 | 78.2900 | 26 | | |
| 8.5812 | 0.86340 | 1.4364 | 2.9945 | 1.3636 | 8.1377 | 10.2938 | 78.8500 | 29 | | |
| 8.6818 | 0.86735 | 1.4618 | 3.0219 | 1.3629 | 8.1451 | 10.3023 | 80.3480 | 30 | | |
| 8.7128 | 0.87350 | 1.4725 | 3.0330 | 1.3669 | 8.1361 | 10.2946 | 80.1880 | 31 | | |
| 8.6914 | 0.86920 | 1.4733 | 3.0087 | 1.3630 | 8.1142 | 10.2656 | 80.0030 | Aug | 1 | |
| 8.7714 | 0.87135 | 1.4837 | 3.0512 | 1.3734 | 8.0926 | 10.2412 | 80.6770 | | 2 | |
| 8.7618 | 0.86425 | 1.4910 | 3.0321 | 1.3782 | 8.1195 | 10.2832 | 80.7020 | | 5 | |
| 8.7112 | 0.86575 | 1.4817 | 3.0550 | 1.3778 | 8.1295 | 10.3002 | 80.7540 | | 6 | |
| 8.7261 | 0.85955 | 1.4878 | 3.0641 | 1.3868 | 8.1416 | 10.3197 | 81.4960 | | 7 | |
| 8.6828 | 0.86200 | 1.4726 | 3.0760 | 1.3909 | 8.1771 | 10.3626 | 81.3110 | | 8 | |

II Euro reference exchange 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 |
| Period | | | | | | | | | |
| 2013 May | 2 | 12,844.32 | 4.7050 | 129.04 | 1,452.85 | 4.0238 | 16.0529 | 1.5540 | 7.5865 |
| | 3 | 12,774.64 | 4.6652 | 128.60 | 1,437.83 | 3.9790 | 15.9604 | 1.5391 | 7.6075 |
| | 6 | 12,758.36 | 4.6781 | 130.18 | 1,435.42 | 3.9026 | 15.8424 | 1.5380 | 7.6240 |
| | 7 | 12,761.02 | 4.6705 | 129.98 | 1,430.16 | 3.9070 | 15.8943 | 1.5524 | 7.6395 |
| | 8 | 12,779.48 | 4.6741 | 129.89 | 1,421.55 | 3.8903 | 15.8073 | 1.5629 | 7.5910 |
| | 9 | 12,780.74 | 4.6675 | 129.80 | 1,434.42 | 3.9084 | 15.7546 | 1.5530 | 7.5485 |
| | 10 | 12,645.90 | 4.6310 | 131.94 | 1,436.50 | 3.8799 | 15.6689 | 1.5623 | 7.5260 |
| | 13 | 12,634.69 | 4.6518 | 132.01 | 1,442.78 | 3.8890 | 15.7077 | 1.5662 | 7.5330 |
| | 14 | 12,642.00 | 4.7250 | 131.88 | 1,441.01 | 3.8787 | 15.7759 | 1.5757 | 7.5405 |
| | 15 | 12,549.23 | 4.7202 | 132.04 | 1,436.74 | 3.8612 | 15.6385 | 1.5662 | 7.5415 |
| | 16 | 12,578.24 | 4.6990 | 132.15 | 1,441.84 | 3.8818 | 15.8096 | 1.5796 | 7.5360 |
| | 17 | 12,554.93 | 4.7135 | 131.87 | 1,437.84 | 3.8890 | 15.8403 | 1.5917 | 7.5393 |
| | 20 | 12,548.08 | 4.7059 | 131.86 | 1,437.99 | 3.8739 | 15.8305 | 1.5760 | 7.5143 |
| | 21 | 12,560.14 | 4.7200 | 132.33 | 1,429.23 | 3.8855 | 15.8388 | 1.5781 | 7.5065 |
| | 22 | 12,619.13 | 4.7759 | 133.26 | 1,440.76 | 3.9047 | 15.9251 | 1.5923 | 7.4650 |
| | 23 | 12,608.68 | 4.7693 | 131.07 | 1,454.95 | 3.9060 | 16.1081 | 1.5932 | 7.5340 |
| | 24 | 12,675.22 | 4.7818 | 131.25 | 1,458.19 | 3.9263 | 16.1026 | 1.5963 | 7.5285 |
| | 27 | 12,676.25 | 4.7709 | 130.59 | 1,452.42 | 3.9190 | 16.1537 | 1.5997 | 7.5480 |
| | 28 | 12,679.69 | 4.7965 | 131.98 | 1,457.39 | 3.9350 | 16.1560 | 1.5927 | 7.5530 |
| | 29 | 12,695.06 | 4.7879 | 130.90 | 1,466.93 | 3.9873 | 16.3671 | 1.5912 | 7.6000 |
| | 30 | 12,700.66 | 4.7800 | 131.70 | 1,462.64 | 3.9855 | 16.5044 | 1.6149 | 7.6190 |
| | 31 | 12,742.47 | 4.8020 | 130.47 | 1,470.85 | 4.0267 | 16.7688 | 1.6265 | 7.6140 |
| June | 3 | 12,753.98 | 4.7964 | 130.37 | 1,467.09 | 4.0312 | 16.5982 | 1.6268 | 7.5970 |
| | 4 | 12,836.54 | 4.8056 | 131.28 | 1,468.61 | 4.0513 | 16.6649 | 1.6290 | 7.5975 |
| | 5 | 12,813.67 | 4.7960 | 130.13 | 1,463.45 | 4.0236 | 16.6510 | 1.6331 | 7.6050 |
| | 6 | 12,847.93 | 4.7786 | 129.96 | 1,465.25 | 4.0478 | 16.8147 | 1.6485 | 7.5810 |
| | 7 | 12,998.00 | 4.7926 | 126.81 | 1,481.55 | 4.1020 | 17.0490 | 1.6658 | 7.6305 |
| | 10 | 13,158.79 | 4.7982 | 130.47 | 1,497.42 | 4.1476 | 16.9220 | 1.6728 | 7.6120 |
| | 11 | 13,038.61 | 4.8450 | 128.60 | 1,503.51 | 4.1883 | 17.2549 | 1.7080 | 7.6860 |
| | 12 | 13,090.63 | 4.8180 | 128.30 | 1,498.19 | 4.1577 | 16.9295 | 1.6604 | 7.6650 |
| | 13 | 13,155.71 | 4.8132 | 125.36 | 1,510.58 | 4.1712 | 17.1166 | 1.6696 | 7.6770 |
| | 14 | 13,139.52 | 4.7914 | 126.37 | 1,498.62 | 4.1445 | 16.8411 | 1.6469 | 7.6405 |
| | 17 | 13,185.80 | 4.8001 | 126.36 | 1,503.01 | 4.1759 | 16.9070 | 1.6519 | 7.6345 |
| | 18 | 13,246.45 | 4.8045 | 127.55 | 1,517.03 | 4.2195 | 17.2832 | 1.6756 | 7.6935 |
| | 19 | 13,282.17 | 4.8171 | 127.44 | 1,515.21 | 4.2250 | 17.2401 | 1.6749 | 7.6765 |
| | 20 | 13,100.18 | 4.7987 | 129.26 | 1,523.98 | 4.2288 | 17.5380 | 1.6927 | 7.8500 |
| | 21 | 13,088.24 | 4.7891 | 128.66 | 1,521.52 | 4.2222 | 17.5558 | 1.7004 | 7.9090 |
| | 24 | 12,997.20 | 4.7608 | 128.54 | 1,521.12 | 4.2112 | 17.5222 | 1.6969 | 8.0400 |
| | 25 | 13,039.26 | 4.7280 | 127.79 | 1,513.98 | 4.1799 | 17.2858 | 1.6939 | 7.9800 |
| | 26 | 12,977.00 | 4.7196 | 127.33 | 1,506.81 | 4.1780 | 17.2046 | 1.6730 | 7.9470 |
| | 27 | 12,936.06 | 4.7380 | 127.93 | 1,495.51 | 4.1362 | 17.0117 | 1.6640 | 7.8810 |
| | 28 | 12,980.41 | 4.7386 | 129.39 | 1,494.24 | 4.1340 | 17.0413 | 1.6792 | 7.8845 |
| July | 1 | 12,976.37 | 4.7390 | 129.99 | 1,480.20 | 4.1256 | 16.8392 | 1.6774 | 7.8985 |
| | 2 | 12,931.59 | 4.7302 | 130.08 | 1,477.94 | 4.1230 | 16.9286 | 1.6769 | 7.9200 |
| | 3 | 12,881.45 | 4.7285 | 128.85 | 1,482.67 | 4.1295 | 17.0048 | 1.6743 | 7.9355 |
| | 4 | 12,906.59 | 4.7270 | 129.64 | 1,479.92 | 4.1298 | 16.8402 | 1.6655 | 7.9350 |
| | 5 | 12,851.20 | 4.6941 | 128.97 | 1,471.44 | 4.1077 | 16.6126 | 1.6450 | 7.9525 |
| | 8 | 12,793.67 | 4.7033 | 130.04 | 1,475.65 | 4.1144 | 16.7461 | 1.6573 | 7.9650 |
| | 9 | 12,802.21 | 4.6959 | 130.07 | 1,468.89 | 4.0986 | 16.5200 | 1.6359 | 7.9000 |
| | 10 | 12,768.65 | 4.6698 | 128.44 | 1,456.31 | 4.0743 | 16.5358 | 1.6316 | 7.8550 |
| | 11 | 13,001.45 | 4.7173 | 129.63 | 1,467.17 | 4.1327 | 16.7374 | 1.6588 | 7.9290 |
| | 12 | 13,021.77 | 4.6921 | 129.75 | 1,467.36 | 4.1416 | 16.7474 | 1.6752 | 7.9130 |
| | 15 | 13,034.32 | 4.6835 | 130.68 | 1,461.48 | 4.1513 | 16.6489 | 1.6803 | 7.9310 |
| | 16 | 13,278.42 | 4.6784 | 130.35 | 1,466.21 | 4.1672 | 16.5372 | 1.6670 | 7.8935 |
| | 17 | 13,192.75 | 4.6913 | 131.15 | 1,469.11 | 4.1924 | 16.6105 | 1.6725 | 7.8775 |
| | 18 | 13,257.46 | 4.7169 | 131.22 | 1,472.39 | 4.1809 | 16.3309 | 1.6621 | 7.8535 |
| | 19 | 13,224.81 | 4.6880 | 131.67 | 1,471.58 | 4.1915 | 16.3913 | 1.6471 | 7.8560 |
| | 22 | 13,251.38 | 4.7023 | 131.47 | 1,472.90 | 4.1873 | 16.4786 | 1.6600 | 7.8230 |
| | 23 | 13,475.30 | 4.7110 | 131.91 | 1,472.84 | 4.1893 | 16.5033 | 1.6528 | 7.8160 |
| | 24 | 13,617.35 | 4.7407 | 132.60 | 1,474.50 | 4.2222 | 16.5509 | 1.6606 | 7.7845 |
| | 25 | 13,562.29 | 4.7441 | 131.81 | 1,474.04 | 4.2227 | 16.7041 | 1.6423 | 7.8255 |
| | 26 | 13,625.16 | 4.7550 | 130.84 | 1,476.07 | 4.2534 | 16.7779 | 1.6455 | 7.8640 |
| | 29 | 13,627.27 | 4.7650 | 129.91 | 1,476.78 | 4.2809 | 16.8476 | 1.6444 | 7.8605 |
| | 30 | 13,647.83 | 4.7460 | 129.99 | 1,481.52 | 4.2848 | 16.9524 | 1.6606 | 7.8720 |
| | 31 | 13,621.57 | 4.7335 | 130.00 | 1,489.98 | 4.3153 | 17.0086 | 1.6648 | 7.8655 |
| Aug | 1 | 13,606.09 | 4.7074 | 130.69 | 1,486.41 | 4.2918 | 16.8653 | 1.6662 | 7.8345 |
| | 2 | 13,581.57 | 4.7180 | 131.78 | 1,484.93 | 4.3075 | 16.9560 | 1.6765 | 7.8655 |
| | 5 | 13,635.34 | 4.7157 | 130.62 | 1,475.99 | 4.2840 | 16.7893 | 1.7076 | 7.8550 |
| | 6 | 13,656.94 | 4.7127 | 130.27 | 1,480.31 | 4.3116 | 16.8058 | 1.6890 | 7.8610 |
| | 7 | 13,683.68 | 4.7299 | 129.21 | 1,486.17 | 4.3301 | 16.8685 | 1.6826 | 7.8995 |
| | 8 | 13,743.95 | 4.7291 | 128.68 | 1,486.97 | 4.3373 | 16.9438 | 1.6747 | 7.8840 |

* See Explanatory notes, p. 57.

II Euro reference exchange 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 | |
| 53.940 | 41.2009 | 1.6270 | 11.8585 | 1.2244 | 38.821 | 2.3633 | 1.3191 | 2013 May 2 |
| 53.564 | 40.8208 | 1.6173 | 11.7437 | 1.2235 | 38.791 | 2.3543 | 1.3114 | 3 |
| 53.551 | 40.7400 | 1.6144 | 11.7695 | 1.2280 | 38.744 | 2.3543 | 1.3107 | 6 |
| 53.587 | 40.6500 | 1.6157 | 11.8722 | 1.2333 | 38.718 | 2.3594 | 1.3107 | 7 |
| 53.520 | 40.9017 | 1.6138 | 11.9058 | 1.2336 | 38.551 | 2.3570 | 1.3135 | 8 |
| 53.669 | 40.9300 | 1.6144 | 11.8038 | 1.2290 | 38.664 | 2.3583 | 1.3142 | 9 |
| 53.440 | 40.7450 | 1.6070 | 11.8092 | 1.2430 | 38.678 | 2.3403 | 1.2988 | 10 |
| 53.387 | 40.6380 | 1.6090 | 11.7993 | 1.2404 | 38.504 | 2.3450 | 1.2973 | 13 |
| 53.430 | 40.6650 | 1.6108 | 11.9560 | 1.2416 | 38.555 | 2.3506 | 1.2977 | 14 |
| 53.086 | 40.4920 | 1.6045 | 11.9820 | 1.2499 | 38.270 | 2.3464 | 1.2864 | 15 |
| 53.231 | 40.4550 | 1.6150 | 12.0720 | 1.2444 | 38.412 | 2.3591 | 1.2890 | 16 |
| 52.964 | 40.3876 | 1.6156 | 12.0764 | 1.2449 | 38.324 | 2.3646 | 1.2869 | 17 |
| 52.982 | 40.2680 | 1.6132 | 12.1601 | 1.2460 | 38.315 | 2.3736 | 1.2853 | 20 |
| 53.134 | 40.2267 | 1.6209 | 12.2890 | 1.2476 | 38.366 | 2.3788 | 1.2866 | 21 |
| 53.254 | 40.3220 | 1.6314 | 12.2836 | 1.2599 | 38.511 | 2.3791 | 1.2923 | 22 |
| 53.778 | 40.4890 | 1.6301 | 12.3661 | 1.2486 | 38.561 | 2.3872 | 1.2888 | 23 |
| 53.961 | 40.5360 | 1.6360 | 12.3724 | 1.2466 | 38.713 | 2.3913 | 1.2939 | 24 |
| 53.811 | 40.5950 | 1.6293 | 12.4424 | 1.2452 | 38.636 | 2.3871 | 1.2939 | 27 |
| 54.176 | 40.5950 | 1.6360 | 12.5693 | 1.2533 | 38.840 | 2.3912 | 1.2938 | 28 |
| 54.946 | 40.8379 | 1.6404 | 12.6714 | 1.2480 | 39.089 | 2.4129 | 1.2952 | 29 |
| 54.811 | 41.1161 | 1.6396 | 12.9347 | 1.2487 | 39.130 | 2.4274 | 1.2944 | 30 |
| 55.031 | 41.4400 | 1.6412 | 13.2174 | 1.2406 | 39.480 | 2.4456 | 1.3006 | 31 |
| 54.709 | 41.5710 | 1.6367 | 12.9658 | 1.2456 | 39.622 | 2.4605 | 1.3008 | June 3 |
| 54.816 | 41.7513 | 1.6382 | 12.7074 | 1.2397 | 39.813 | 2.4518 | 1.3092 | 4 |
| 54.872 | 41.9595 | 1.6313 | 12.9501 | 1.2371 | 39.880 | 2.4592 | 1.3067 | 5 |
| 55.210 | 42.1349 | 1.6375 | 13.0450 | 1.2357 | 40.212 | 2.4773 | 1.3118 | 6 |
| 56.172 | 42.8773 | 1.6480 | 13.2402 | 1.2273 | 40.562 | 2.4980 | 1.3260 | 7 |
| 56.804 | 42.7360 | 1.6631 | 13.4090 | 1.2395 | 40.671 | 2.5053 | 1.3209 | 10 |
| 57.209 | 43.1010 | 1.6723 | 13.6365 | 1.2305 | 41.133 | 2.5172 | 1.3273 | 11 |
| 57.140 | 42.8380 | 1.6672 | 13.2994 | 1.2323 | 41.106 | 2.4906 | 1.3277 | 12 |
| 57.224 | 42.7500 | 1.6669 | 13.2293 | 1.2290 | 40.997 | 2.4897 | 1.3315 | 13 |
| 56.895 | 42.2453 | 1.6638 | 13.2051 | 1.2322 | 40.681 | 2.4674 | 1.3303 | 14 |
| 57.233 | 42.2375 | 1.6721 | 13.1706 | 1.2308 | 40.905 | 2.4906 | 1.3337 | 17 |
| 57.790 | 42.8540 | 1.6855 | 13.4148 | 1.2315 | 41.259 | 2.5167 | 1.3374 | 18 |
| 57.804 | 43.1798 | 1.6841 | 13.3336 | 1.2326 | 41.197 | 2.5238 | 1.3406 | 19 |
| 57.796 | 42.9600 | 1.6813 | 13.4884 | 1.2319 | 41.078 | 2.5324 | 1.3200 | 20 |
| 57.707 | 43.2260 | 1.6790 | 13.4906 | 1.2257 | 41.003 | 2.5515 | 1.3180 | 21 |
| 57.433 | 43.0660 | 1.6746 | 13.2811 | 1.2241 | 40.724 | 2.5445 | 1.3086 | 24 |
| 56.825 | 43.0380 | 1.6637 | 13.1090 | 1.2268 | 40.650 | 2.5315 | 1.3134 | 25 |
| 56.631 | 42.8745 | 1.6602 | 13.1663 | 1.2262 | 40.609 | 2.5208 | 1.3024 | 26 |
| 56.442 | 42.7350 | 1.6465 | 12.9640 | 1.2326 | 40.556 | 2.5070 | 1.3032 | 27 |
| 56.445 | 42.8450 | 1.6545 | 13.0704 | 1.2338 | 40.613 | 2.5210 | 1.3080 | 28 |
| 56.239 | 43.0606 | 1.6529 | 12.9526 | 1.2340 | 40.382 | 2.5099 | 1.3037 | July 1 |
| 56.329 | 43.0511 | 1.6504 | 12.9389 | 1.2354 | 40.314 | 2.5062 | 1.3017 | 2 |
| 56.338 | 43.1000 | 1.6510 | 13.0640 | 1.2285 | 40.290 | 2.5264 | 1.2959 | 3 |
| 56.322 | 43.1050 | 1.6525 | 13.0791 | 1.2328 | 40.393 | 2.5343 | 1.2984 | 4 |
| 55.882 | 42.7630 | 1.6431 | 12.8890 | 1.2348 | 40.131 | 2.5110 | 1.2883 | 5 |
| 56.129 | 42.7520 | 1.6470 | 13.0845 | 1.2404 | 40.413 | 2.5025 | 1.2850 | 8 |
| 55.971 | 42.3985 | 1.6435 | 12.9045 | 1.2452 | 40.230 | 2.4955 | 1.2857 | 9 |
| 55.555 | 42.1710 | 1.6351 | 12.8710 | 1.2440 | 40.066 | 2.4938 | 1.2813 | 10 |
| 56.469 | 42.5405 | 1.6460 | 12.9828 | 1.2414 | 40.619 | 2.5359 | 1.3044 | 11 |
| 56.563 | 42.6850 | 1.6500 | 13.0930 | 1.2388 | 40.640 | 2.5599 | 1.3034 | 12 |
| 56.495 | 42.5440 | 1.6491 | 12.9362 | 1.2394 | 40.571 | 2.5303 | 1.3012 | 15 |
| 56.690 | 42.5644 | 1.6517 | 12.8506 | 1.2371 | 40.731 | 2.5231 | 1.3118 | 16 |
| 56.954 | 42.6280 | 1.6599 | 13.0168 | 1.2340 | 40.840 | 2.5299 | 1.3136 | 17 |
| 56.806 | 42.4697 | 1.6594 | 12.9075 | 1.2370 | 40.706 | 2.5122 | 1.3093 | 18 |
| 56.922 | 42.4580 | 1.6591 | 12.9325 | 1.2361 | 40.724 | 2.5227 | 1.3123 | 19 |
| 56.876 | 42.5430 | 1.6618 | 12.9458 | 1.2370 | 40.762 | 2.5244 | 1.3166 | 22 |
| 56.915 | 42.7002 | 1.6696 | 12.9495 | 1.2387 | 40.805 | 2.5195 | 1.3180 | 23 |
| 57.262 | 42.8003 | 1.6764 | 12.7500 | 1.2388 | 40.983 | 2.5278 | 1.3246 | 24 |
| 57.245 | 43.0100 | 1.6740 | 12.9619 | 1.2365 | 41.085 | 2.5424 | 1.3202 | 25 |
| 57.345 | 43.3540 | 1.6765 | 12.9164 | 1.2334 | 41.292 | 2.5493 | 1.3260 | 26 |
| 57.468 | 43.5560 | 1.6818 | 13.0362 | 1.2330 | 41.363 | 2.5535 | 1.3270 | 29 |
| 57.586 | 43.7430 | 1.6872 | 13.1126 | 1.2335 | 41.539 | 2.5570 | 1.3284 | 30 |
| 57.697 | 43.7591 | 1.6899 | 13.0740 | 1.2317 | 41.537 | 2.5623 | 1.3275 | 31 |
| 57.740 | 43.7150 | 1.6836 | 13.0772 | 1.2317 | 41.402 | 2.5635 | 1.3236 | Aug 1 |
| 57.603 | 43.7059 | 1.6848 | 13.2330 | 1.2383 | 41.444 | 2.5711 | 1.3203 | 2 |
| 57.608 | 43.6085 | 1.6818 | 13.0548 | 1.2352 | 41.521 | 2.5630 | 1.3257 | 5 |
| 57.804 | 43.6945 | 1.6842 | 13.1232 | 1.2313 | 41.699 | 2.5620 | 1.3280 | 6 |
| 58.258 | 43.9480 | 1.6868 | 13.2109 | 1.2321 | 41.831 | 2.5713 | 1.3305 | 7 |
| 58.193 | 44.0086 | 1.6848 | 13.1930 | 1.2307 | 41.750 | 2.5708 | 1.3360 | 8 |

II Euro reference exchange rates of the European Central Bank *

2 Monthly averages +

EUR 1 = CU ...

| Period | EU member countries | | | | | | | | | | | Other Euro- |
|-----------|---------------------|----------------------|------------------|------------------|----------------------|------------------|----------------------|------------------|------------------|-------------------|--------------------|-----------------------|
| | Bulgaria | Croatia ¹ | Czech Republic | Denmark | Hungary | Latvia | Lithuania | Poland | Romania | Sweden | United Kingdom | Australia |
| | Bulgarian lev BGN | Croatian kuna HRK | Czech koruna CZK | Danish krone DKK | Hungarian forint HUF | Latvian lats LVL | Lithuanian litas LTL | Polish zloty PLN | Romanian leu RON | Swedish krona SEK | Pound sterling GBP | Australian dollar AUD |
| 2008 July | 1.9558 | 7.2297 | 23.528 | 7.4599 | 231.82 | 0.7035 | 3.4528 | 3.2591 | 3.5764 | 9.4566 | 0.79308 | 1.6386 |
| Aug | 1.9558 | 7.1947 | 24.287 | 7.4595 | 235.88 | 0.7039 | 3.4528 | 3.2920 | 3.5271 | 9.3984 | 0.79279 | 1.6961 |
| Sep | 1.9558 | 7.1223 | 24.497 | 7.4583 | 240.68 | 0.7060 | 3.4528 | 3.3747 | 3.6248 | 9.5637 | 0.79924 | 1.7543 |
| Oct | 1.9558 | 7.1639 | 24.768 | 7.4545 | 260.15 | 0.7093 | 3.4528 | 3.5767 | 3.7479 | 9.8506 | 0.78668 | 1.9345 |
| Nov | 1.9558 | 7.1366 | 25.193 | 7.4485 | 265.32 | 0.7092 | 3.4528 | 3.7326 | 3.7838 | 10.1275 | 0.83063 | 1.9381 |
| Dec | 1.9558 | 7.2245 | 26.120 | 7.4503 | 265.02 | 0.7084 | 3.4528 | 4.0044 | 3.9227 | 10.7538 | 0.90448 | 2.0105 |
| 2009 Jan | 1.9558 | 7.3603 | 27.169 | 7.4519 | 279.86 | 0.7043 | 3.4528 | 4.2300 | 4.2354 | 10.7264 | 0.91819 | 1.9633 |
| Feb | 1.9558 | 7.4309 | 28.461 | 7.4514 | 298.30 | 0.7056 | 3.4528 | 4.6467 | 4.2864 | 10.9069 | 0.88691 | 1.9723 |
| Mar | 1.9558 | 7.4430 | 27.231 | 7.4509 | 304.14 | 0.7083 | 3.4528 | 4.6210 | 4.2828 | 11.1767 | 0.91966 | 1.9594 |
| Apr | 1.9558 | 7.4172 | 26.774 | 7.4491 | 295.26 | 0.7093 | 3.4528 | 4.4326 | 4.2041 | 10.8796 | 0.89756 | 1.8504 |
| May | 1.9558 | 7.3515 | 26.731 | 7.4468 | 281.93 | 0.7092 | 3.4528 | 4.4103 | 4.1700 | 10.5820 | 0.88445 | 1.7831 |
| June | 1.9558 | 7.2954 | 26.545 | 7.4457 | 280.46 | 0.7015 | 3.4528 | 4.5084 | 4.2131 | 10.8713 | 0.85670 | 1.7463 |
| July | 1.9558 | 7.3307 | 25.793 | 7.4458 | 272.06 | 0.7006 | 3.4528 | 4.2965 | 4.2184 | 10.8262 | 0.86092 | 1.7504 |
| Aug | 1.9558 | 7.3287 | 25.646 | 7.4440 | 270.05 | 0.7013 | 3.4528 | 4.1311 | 4.2183 | 10.2210 | 0.86265 | 1.7081 |
| Sep | 1.9558 | 7.3102 | 25.346 | 7.4428 | 271.84 | 0.7039 | 3.4528 | 4.1584 | 4.2420 | 10.1976 | 0.89135 | 1.6903 |
| Oct | 1.9558 | 7.2419 | 25.861 | 7.4438 | 268.49 | 0.7088 | 3.4528 | 4.2146 | 4.2871 | 10.3102 | 0.91557 | 1.6341 |
| Nov | 1.9558 | 7.2952 | 25.812 | 7.4415 | 270.92 | 0.7088 | 3.4528 | 4.1646 | 4.2896 | 10.3331 | 0.89892 | 1.6223 |
| Dec | 1.9558 | 7.2907 | 26.089 | 7.4419 | 273.22 | 0.7077 | 3.4528 | 4.1439 | 4.2284 | 10.4085 | 0.89972 | 1.6185 |
| 2010 Jan | 1.9558 | 7.2938 | 26.133 | 7.4424 | 269.43 | 0.7088 | 3.4528 | 4.0703 | 4.1383 | 10.1939 | 0.88305 | 1.5624 |
| Feb | 1.9558 | 7.3029 | 25.979 | 7.4440 | 271.21 | 0.7090 | 3.4528 | 4.0144 | 4.1196 | 9.9505 | 0.87604 | 1.5434 |
| Mar | 1.9558 | 7.2616 | 25.541 | 7.4416 | 265.40 | 0.7083 | 3.4528 | 3.8906 | 4.0866 | 9.7277 | 0.90160 | 1.4882 |
| Apr | 1.9558 | 7.2594 | 25.308 | 7.4428 | 265.53 | 0.7076 | 3.4528 | 3.8782 | 4.1306 | 9.6617 | 0.87456 | 1.4463 |
| May | 1.9558 | 7.2630 | 25.663 | 7.4413 | 276.78 | 0.7075 | 3.4528 | 4.0567 | 4.1767 | 9.6641 | 0.85714 | 1.4436 |
| June | 1.9558 | 7.2225 | 25.780 | 7.4409 | 281.49 | 0.7082 | 3.4528 | 4.1055 | 4.2434 | 9.5723 | 0.82771 | 1.4315 |
| July | 1.9558 | 7.2198 | 25.328 | 7.4522 | 283.75 | 0.7090 | 3.4528 | 4.0814 | 4.2608 | 9.4954 | 0.83566 | 1.4586 |
| Aug | 1.9558 | 7.2525 | 24.806 | 7.4495 | 281.45 | 0.7085 | 3.4528 | 3.9899 | 4.2396 | 9.4216 | 0.82363 | 1.4337 |
| Sep | 1.9558 | 7.2874 | 24.651 | 7.4476 | 282.10 | 0.7091 | 3.4528 | 3.9548 | 4.2655 | 9.2241 | 0.83987 | 1.3943 |
| Oct | 1.9558 | 7.3277 | 24.531 | 7.4567 | 274.01 | 0.7094 | 3.4528 | 3.9496 | 4.2787 | 9.2794 | 0.87638 | 1.4164 |
| Nov | 1.9558 | 7.3830 | 24.633 | 7.4547 | 275.51 | 0.7094 | 3.4528 | 3.9520 | 4.2940 | 9.3166 | 0.85510 | 1.3813 |
| Dec | 1.9558 | 7.3913 | 25.174 | 7.4528 | 277.62 | 0.7096 | 3.4528 | 3.9962 | 4.2929 | 9.0559 | 0.84813 | 1.3304 |
| 2011 Jan | 1.9558 | 7.4008 | 24.449 | 7.4518 | 275.33 | 0.7034 | 3.4528 | 3.8896 | 4.2624 | 8.9122 | 0.84712 | 1.3417 |
| Feb | 1.9558 | 7.4149 | 24.277 | 7.4555 | 271.15 | 0.7037 | 3.4528 | 3.9264 | 4.2457 | 8.7882 | 0.84635 | 1.3543 |
| Mar | 1.9558 | 7.3915 | 24.393 | 7.4574 | 270.89 | 0.7072 | 3.4528 | 4.0145 | 4.1621 | 8.8864 | 0.86653 | 1.3854 |
| Apr | 1.9558 | 7.3639 | 24.301 | 7.4574 | 265.29 | 0.7092 | 3.4528 | 3.9694 | 4.1004 | 8.9702 | 0.88291 | 1.3662 |
| May | 1.9558 | 7.4052 | 24.381 | 7.4566 | 266.96 | 0.7093 | 3.4528 | 3.9404 | 4.1142 | 8.9571 | 0.87788 | 1.3437 |
| June | 1.9558 | 7.4065 | 24.286 | 7.4579 | 266.87 | 0.7091 | 3.4528 | 3.9702 | 4.1937 | 9.1125 | 0.88745 | 1.3567 |
| July | 1.9558 | 7.4316 | 24.335 | 7.4560 | 267.68 | 0.7092 | 3.4528 | 3.9951 | 4.2413 | 9.1340 | 0.88476 | 1.3249 |
| Aug | 1.9558 | 7.4620 | 24.273 | 7.4498 | 272.37 | 0.7093 | 3.4528 | 4.1195 | 4.2505 | 9.1655 | 0.87668 | 1.3651 |
| Sep | 1.9558 | 7.4936 | 24.556 | 7.4462 | 285.05 | 0.7093 | 3.4528 | 4.3379 | 4.2838 | 9.1343 | 0.87172 | 1.3458 |
| Oct | 1.9558 | 7.4849 | 24.841 | 7.4442 | 296.79 | 0.7061 | 3.4528 | 4.3516 | 4.3244 | 9.1138 | 0.87036 | 1.3525 |
| Nov | 1.9558 | 7.4923 | 25.464 | 7.4412 | 309.15 | 0.7015 | 3.4528 | 4.4324 | 4.3560 | 9.1387 | 0.85740 | 1.3414 |
| Dec | 1.9558 | 7.5136 | 25.514 | 7.4341 | 304.19 | 0.6975 | 3.4528 | 4.4774 | 4.3282 | 9.0184 | 0.84405 | 1.3003 |
| 2012 Jan | 1.9558 | 7.5543 | 25.531 | 7.4353 | 307.33 | 0.6990 | 3.4528 | 4.3760 | 4.3417 | 8.8503 | 0.83210 | 1.2405 |
| Feb | 1.9558 | 7.5815 | 25.042 | 7.4341 | 290.68 | 0.6988 | 3.4528 | 4.1835 | 4.3513 | 8.8196 | 0.83696 | 1.2327 |
| Mar | 1.9558 | 7.5358 | 24.676 | 7.4354 | 292.26 | 0.6977 | 3.4528 | 4.1370 | 4.3668 | 8.8873 | 0.83448 | 1.2538 |
| Apr | 1.9558 | 7.4991 | 24.809 | 7.4393 | 294.81 | 0.6993 | 3.4528 | 4.1782 | 4.3789 | 8.8650 | 0.82188 | 1.2718 |
| May | 1.9558 | 7.5383 | 25.313 | 7.4335 | 293.67 | 0.6981 | 3.4528 | 4.2937 | 4.4412 | 8.9924 | 0.80371 | 1.2825 |
| June | 1.9558 | 7.5434 | 25.640 | 7.4325 | 293.57 | 0.6969 | 3.4528 | 4.2973 | 4.4626 | 8.8743 | 0.80579 | 1.2550 |
| July | 1.9558 | 7.5006 | 25.447 | 7.4384 | 286.28 | 0.6963 | 3.4528 | 4.1837 | 4.5549 | 8.5451 | 0.78827 | 1.1931 |
| Aug | 1.9558 | 7.4853 | 25.021 | 7.4454 | 278.93 | 0.6963 | 3.4528 | 4.0934 | 4.5176 | 8.2805 | 0.78884 | 1.1841 |
| Sep | 1.9558 | 7.4291 | 24.752 | 7.4539 | 284.22 | 0.6962 | 3.4528 | 4.1345 | 4.5022 | 8.4929 | 0.79821 | 1.2372 |
| Oct | 1.9558 | 7.5140 | 24.939 | 7.4582 | 282.09 | 0.6962 | 3.4528 | 4.1071 | 4.5624 | 8.6145 | 0.80665 | 1.2596 |
| Nov | 1.9558 | 7.5410 | 25.365 | 7.4587 | 282.26 | 0.6962 | 3.4528 | 4.1321 | 4.5273 | 8.6076 | 0.80389 | 1.2331 |
| Dec | 1.9558 | 7.5334 | 25.214 | 7.4604 | 285.79 | 0.6965 | 3.4528 | 4.0956 | 4.4899 | 8.6512 | 0.81237 | 1.2527 |
| 2013 Jan | 1.9558 | 7.5746 | 25.563 | 7.4614 | 294.01 | 0.6978 | 3.4528 | 4.1424 | 4.3835 | 8.6217 | 0.83271 | 1.2658 |
| Feb | 1.9558 | 7.5868 | 25.475 | 7.4598 | 292.73 | 0.6999 | 3.4528 | 4.1700 | 4.3839 | 8.5083 | 0.86250 | 1.2951 |
| Mar | 1.9558 | 7.5909 | 25.659 | 7.4553 | 303.01 | 0.7013 | 3.4528 | 4.1565 | 4.3923 | 8.3470 | 0.85996 | 1.2537 |
| Apr | 1.9558 | 7.6076 | 25.841 | 7.4553 | 298.67 | 0.7006 | 3.4528 | 4.1359 | 4.3780 | 8.4449 | 0.85076 | 1.2539 |
| May | 1.9558 | 7.5684 | 25.888 | 7.4536 | 292.38 | 0.7002 | 3.4528 | 4.1799 | 4.3360 | 8.5725 | 0.84914 | 1.3133 |
| June | 1.9558 | 7.4901 | 25.759 | 7.4576 | 295.70 | 0.7019 | 3.4528 | 4.2839 | 4.4803 | 8.6836 | 0.85191 | 1.3978 |
| July | 1.9558 | 7.5061 | 25.944 | 7.4579 | 294.90 | 0.7024 | 3.4528 | 4.2745 | 4.4244 | 8.6609 | 0.86192 | 1.4279 |

* See Explanatory notes, p 57. + Averages: Bundesbank calculations based on the daily euro reference exchange rates published by the ECB. ¹ Accession to EU on 1 July 2013. ² The ECB has not fixed a euro reference exchange 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.

II Euro reference exchange rates of the European Central Bank *

| pean and non-European countries | | | | | | | | | | | | Period |
|---------------------------------|---------------------|---------------------------|----------------------|----------------------------------|-------------------------------|-----------------------|-------------------------------------|------------------|----------------------|-----------------------|-----------|--------|
| Brazil | Canada | China | Hong Kong | Iceland | India | Indonesia | Israel | Japan | Korea, Republic of | Malaysia | | |
| Brazilian real BRL | Canadian dollar CAD | Chinese yuan renminbi CNY | Hong Kong dollar HKD | Icelandic krona ISK ² | Indian rupee INR ³ | Indonesian rupiah IDR | New Israeli sheqel ILS ⁴ | Japanese yen JPY | South Korean won KRW | Malaysian ringgit MYR | | |
| 2.5097 | 1.5974 | 10.7809 | 12.3004 | 123.61 | 67.5111 | 14,442.77 | 5.3231 | 168.45 | 1,604.58 | 5.1258 | 2008 July | |
| 2.4103 | 1.5765 | 10.2609 | 11.6932 | 122.07 | 64.3236 | 13,700.21 | 5.3246 | 163.63 | 1,566.23 | 4.9843 | Aug | |
| 2.5712 | 1.5201 | 9.8252 | 11.1905 | 131.33 | 65.4115 | 13,430.23 | 5.0807 | 153.20 | 1,630.26 | 4.9461 | Sep | |
| 2.9112 | 1.5646 | 9.1071 | 10.3368 | 274.64 | 64.5866 | 13,283.63 | 4.8854 | 133.52 | 1,759.07 | 4.6895 | Oct | |
| 2.8967 | 1.5509 | 8.6950 | 9.8687 | 242.95 | 62.1436 | 14,984.85 | 4.9569 | 123.28 | 1,783.12 | 4.5682 | Nov | |
| 3.2266 | 1.6600 | 9.2205 | 10.4240 | 290.00 | 65.1465 | 15,276.62 | 5.2033 | 122.51 | 1,850.06 | 4.7755 | Dec | |
| 3.0596 | 1.6233 | 9.0496 | 10.2687 | – | 64.5104 | 14,802.07 | 5.1793 | 119.73 | 1,801.97 | 4.7291 | 2009 Jan | |
| 2.9685 | 1.5940 | 8.7406 | 9.9128 | – | 62.8849 | 15,233.33 | 5.2437 | 118.30 | 1,843.90 | 4.6466 | Feb | |
| 3.0198 | 1.6470 | 8.9210 | 10.1138 | – | 66.8026 | 15,477.84 | 5.4354 | 127.65 | 1,894.48 | 4.7949 | Mar | |
| 2.9197 | 1.6188 | 9.0110 | 10.2229 | – | 66.0471 | 14,552.65 | 5.5290 | 130.25 | 1,760.14 | 4.7562 | Apr | |
| 2.8232 | 1.5712 | 9.3157 | 10.5807 | – | 66.1762 | 14,137.45 | 5.5552 | 131.85 | 1,710.18 | 4.8057 | May | |
| 2.7391 | 1.5761 | 9.5786 | 10.8638 | – | 66.9191 | 14,315.40 | 5.5260 | 135.39 | 1,768.80 | 4.9305 | June | |
| 2.7221 | 1.5824 | 9.6246 | 10.9182 | – | 68.2333 | 14,241.51 | 5.4784 | 133.09 | 1,778.43 | 4.9963 | July | |
| 2.6314 | 1.5522 | 9.7485 | 11.0587 | – | 68.9570 | 14,270.78 | 5.4694 | 135.31 | 1,768.99 | 5.0185 | Aug | |
| 2.6520 | 1.5752 | 9.9431 | 11.2858 | – | 70.4154 | 14,346.84 | 5.4813 | 133.14 | 1,768.58 | 5.0862 | Sep | |
| 2.5771 | 1.5619 | 10.1152 | 11.4828 | – | 69.2160 | 14,057.25 | 5.5194 | 133.91 | 1,739.94 | 5.0425 | Oct | |
| 2.5777 | 1.5805 | 10.1827 | 11.5588 | – | 69.4421 | 14,115.45 | 5.6352 | 132.97 | 1,735.17 | 5.0553 | Nov | |
| 2.5566 | 1.5397 | 9.9777 | 11.3296 | – | 68.0924 | 13,830.84 | 5.5373 | 131.21 | 1,703.03 | 4.9859 | Dec | |
| 2.5383 | 1.4879 | 9.7436 | 11.0783 | – | 65.5361 | 13,263.60 | 5.2964 | 130.34 | 1,624.76 | 4.8170 | 2010 Jan | |
| 2.5237 | 1.4454 | 9.3462 | 10.6305 | – | 63.4291 | 12,786.05 | 5.1258 | 123.46 | 1,582.70 | 4.6743 | Feb | |
| 2.4233 | 1.3889 | 9.2623 | 10.5313 | – | 61.7352 | 12,434.53 | 5.0772 | 123.03 | 1,542.59 | 4.5083 | Mar | |
| 2.3550 | 1.3467 | 9.1505 | 10.4065 | – | 59.6203 | 12,101.70 | 4.9773 | 125.33 | 1,494.53 | 4.2935 | Apr | |
| 2.2750 | 1.3060 | 8.5794 | 9.7843 | – | 57.6166 | 11,517.01 | 4.7640 | 115.83 | 1,465.81 | 4.0874 | May | |
| 2.2057 | 1.2674 | 8.3245 | 9.5091 | – | 56.8582 | 11,169.39 | 4.7048 | 110.99 | 1,483.22 | 3.9853 | June | |
| 2.2600 | 1.3322 | 8.6538 | 9.9308 | – | 59.8100 | 11,546.78 | 4.9236 | 111.73 | 1,538.85 | 4.0924 | July | |
| 2.2691 | 1.3411 | 8.7520 | 10.0193 | – | 60.0584 | 11,573.26 | 4.8906 | 110.04 | 1,522.39 | 4.0654 | Aug | |
| 2.2476 | 1.3515 | 8.8104 | 10.1470 | – | 60.0771 | 11,716.16 | 4.8792 | 110.26 | 1,517.10 | 4.0570 | Sep | |
| 2.3378 | 1.4152 | 9.2665 | 10.7835 | – | 61.7399 | 12,407.16 | 5.0192 | 113.67 | 1,560.30 | 4.3092 | Oct | |
| 2.3391 | 1.3831 | 9.0895 | 10.5941 | – | 61.4539 | 12,224.00 | 4.9770 | 112.69 | 1,544.16 | 4.2588 | Nov | |
| 2.2387 | 1.3327 | 8.7873 | 10.2776 | – | 59.6472 | 11,925.21 | 4.7618 | 110.11 | 1,513.74 | 4.1313 | Dec | |
| 2.2371 | 1.3277 | 8.8154 | 10.3945 | – | 60.7161 | 12,077.47 | 4.7909 | 110.38 | 1,495.50 | 4.0895 | 2011 Jan | |
| 2.2765 | 1.3484 | 8.9842 | 10.6312 | – | 62.0142 | 12,165.92 | 4.9939 | 112.77 | 1,524.99 | 4.1541 | Feb | |
| 2.3220 | 1.3672 | 9.1902 | 10.9093 | – | 62.9526 | 12,263.18 | 4.9867 | 114.40 | 1,568.05 | 4.2483 | Mar | |
| 2.2889 | 1.3834 | 9.4274 | 11.2269 | – | 64.1128 | 12,493.48 | 4.9573 | 120.42 | 1,567.52 | 4.3502 | Apr | |
| 2.3131 | 1.3885 | 9.3198 | 11.1551 | – | 64.4735 | 12,290.33 | 4.9740 | 116.47 | 1,555.99 | 4.3272 | May | |
| 2.2850 | 1.4063 | 9.3161 | 11.2021 | – | 64.5200 | 12,327.02 | 4.9169 | 115.75 | 1,555.32 | 4.3585 | June | |
| 2.2329 | 1.3638 | 9.2121 | 11.1104 | – | 63.3537 | 12,171.27 | 4.8801 | 113.26 | 1,510.29 | 4.2716 | July | |
| 2.2888 | 1.4071 | 9.1857 | 11.1846 | – | 65.0717 | 12,249.95 | 5.0841 | 110.43 | 1,542.01 | 4.2822 | Aug | |
| 2.3946 | 1.3794 | 8.7994 | 10.7333 | – | 65.5964 | 12,118.49 | 5.0788 | 105.75 | 1,544.04 | 4.2456 | 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 | 11,913.82 | 4.9474 | 103.77 | 1,485.58 | 3.9978 | Feb | |
| 2.3674 | 1.3121 | 8.3326 | 10.2474 | – | 66.5399 | 12,082.50 | 4.9679 | 108.88 | 1,487.83 | 4.0229 | Mar | |
| 2.4405 | 1.3068 | 8.2921 | 10.2163 | – | 68.1939 | 12,068.69 | 4.9362 | 107.00 | 1,495.40 | 4.0277 | Apr | |
| 2.5357 | 1.2916 | 8.0806 | 9.9291 | – | 69.6407 | 11,913.51 | 4.8974 | 101.97 | 1,481.36 | 3.9688 | May | |
| 2.5658 | 1.2874 | 7.9676 | 9.7192 | – | 70.1673 | 11,830.22 | 4.8763 | 99.26 | 1,458.61 | 3.9836 | June | |
| 2.4914 | 1.2461 | 7.8288 | 9.5308 | – | 68.1061 | 11,605.16 | 4.9042 | 97.07 | 1,404.11 | 3.8914 | July | |
| 2.5170 | 1.2315 | 7.8864 | 9.6177 | – | 68.8632 | 11,777.55 | 4.9779 | 97.58 | 1,403.93 | 3.8643 | Aug | |
| 2.6066 | 1.2583 | 8.1273 | 9.9686 | – | 70.0452 | 12,287.93 | 5.0717 | 100.49 | 1,444.65 | 3.9599 | Sep | |
| 2.6333 | 1.2801 | 8.1390 | 10.0574 | – | 68.8589 | 12,457.30 | 4.9976 | 102.47 | 1,435.37 | 3.9649 | Oct | |
| 2.6512 | 1.2787 | 7.9998 | 9.9423 | – | 70.3250 | 12,343.83 | 4.9970 | 103.94 | 1,395.13 | 3.9230 | Nov | |
| 2.7264 | 1.2984 | 8.1809 | 10.1679 | – | 71.6946 | 12,643.37 | 4.9570 | 109.71 | 1,411.41 | 4.0075 | Dec | |
| 2.6993 | 1.3189 | 8.2698 | 10.3027 | – | 72.0716 | 12,837.99 | 4.9706 | 118.34 | 1,417.69 | 4.0413 | 2013 Jan | |
| 2.6354 | 1.3477 | 8.3282 | 10.3608 | – | 71.9342 | 12,933.75 | 4.9359 | 124.40 | 1,452.82 | 4.1403 | Feb | |
| 2.5694 | 1.3285 | 8.0599 | 10.0588 | – | 70.5579 | 12,590.61 | 4.7769 | 122.99 | 1,430.31 | 4.0309 | Mar | |
| 2.6060 | 1.3268 | 8.0564 | 10.1110 | – | 70.7738 | 12,664.51 | 4.7164 | 127.54 | 1,460.89 | 3.9686 | Apr | |
| 2.6414 | 1.3257 | 7.9715 | 10.0766 | – | 71.4760 | 12,673.13 | 4.7223 | 131.13 | 1,444.56 | 3.9200 | May | |
| 2.8613 | 1.3596 | 8.0905 | 10.2349 | – | 77.0284 | 13,033.31 | 4.7865 | 128.40 | 1,498.33 | 4.1488 | June | |
| 2.9438 | 1.3619 | 8.0234 | 10.1455 | – | 78.1762 | 13,189.17 | 4.7153 | 130.39 | 1,473.35 | 4.1746 | July | |

II Euro reference exchange 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 ¹ TRY | United States US dollar USD |
| 2008 July | 16.1119 | 2.0900 | 8.0487 | 70.694 | 36.8261 | 2.1438 | 12.0328 | 1.6193 | 52.821 | 1.9128 | 1.5770 |
| Aug | 15.1269 | 2.1097 | 7.9723 | 67.307 | 36.2502 | 2.1024 | 11.4680 | 1.6212 | 50.697 | 1.7669 | 1.4975 |
| Sep | 15.2805 | 2.1293 | 8.1566 | 67.113 | 36.3727 | 2.0549 | 11.5899 | 1.5942 | 49.264 | 1.7843 | 1.4370 |
| Oct | 16.8177 | 2.1891 | 8.5928 | 63.882 | 35.2144 | 1.9666 | 12.9341 | 1.5194 | 45.872 | 1.9612 | 1.3322 |
| Nov | 16.6735 | 2.2554 | 8.8094 | 62.496 | 34.7964 | 1.9183 | 12.8785 | 1.5162 | 44.677 | 2.0342 | 1.2732 |
| Dec | 18.0764 | 2.4119 | 9.4228 | 64.505 | 37.8999 | 1.9888 | 13.4275 | 1.5393 | 47.107 | 2.0894 | 1.3449 |
| 2009 Jan | 18.3762 | 2.4132 | 9.2164 | 62.354 | 42.3282 | 1.9742 | 13.1255 | 1.4935 | 46.218 | 2.1233 | 1.3239 |
| Feb | 18.6536 | 2.4851 | 8.7838 | 60.832 | 45.8079 | 1.9411 | 12.8005 | 1.4904 | 45.156 | 2.1280 | 1.2785 |
| Mar | 19.1278 | 2.4527 | 8.8388 | 63.105 | 45.1451 | 1.9949 | 12.9870 | 1.5083 | 46.667 | 2.2340 | 1.3050 |
| Apr | 17.7645 | 2.3123 | 8.7867 | 63.462 | 44.2135 | 1.9823 | 11.8784 | 1.5147 | 46.741 | 2.1277 | 1.3190 |
| May | 17.9969 | 2.2663 | 8.7943 | 64.600 | 43.5678 | 1.9939 | 11.4475 | 1.5118 | 47.241 | 2.1251 | 1.3650 |
| June | 18.6813 | 2.1967 | 8.9388 | 67.036 | 43.5553 | 2.0357 | 11.2718 | 1.5148 | 47.844 | 2.1675 | 1.4016 |
| July | 18.8143 | 2.1873 | 8.9494 | 67.724 | 44.3881 | 2.0421 | 11.2007 | 1.5202 | 47.969 | 2.1378 | 1.4088 |
| Aug | 18.5571 | 2.1097 | 8.6602 | 68.803 | 45.1972 | 2.0577 | 11.3415 | 1.5236 | 48.543 | 2.1236 | 1.4268 |
| Sep | 19.5255 | 2.0691 | 8.5964 | 69.967 | 44.7624 | 2.0720 | 10.9495 | 1.5148 | 49.239 | 2.1711 | 1.4562 |
| Oct | 19.5856 | 2.0065 | 8.3596 | 69.419 | 43.6188 | 2.0714 | 11.0938 | 1.5138 | 49.504 | 2.1823 | 1.4816 |
| Nov | 19.5478 | 2.0450 | 8.4143 | 70.165 | 43.1835 | 2.0711 | 11.2134 | 1.5105 | 49.634 | 2.2262 | 1.4914 |
| Dec | 18.7787 | 2.0383 | 8.4066 | 67.706 | 43.9019 | 2.0392 | 10.9261 | 1.5021 | 48.544 | 2.2013 | 1.4614 |
| 2010 Jan | 18.2820 | 1.9646 | 8.1817 | 65.702 | 42.5749 | 1.9930 | 10.6492 | 1.4765 | 47.150 | 2.1028 | 1.4272 |
| Feb | 17.7154 | 1.9615 | 8.0971 | 63.317 | 41.2845 | 1.9326 | 10.4964 | 1.4671 | 45.360 | 2.0756 | 1.3686 |
| Mar | 17.0587 | 1.9301 | 8.0369 | 61.999 | 40.1219 | 1.8990 | 10.0589 | 1.4482 | 44.111 | 2.0821 | 1.3569 |
| Apr | 16.3957 | 1.8814 | 7.9323 | 59.788 | 39.1335 | 1.8505 | 9.8658 | 1.4337 | 43.279 | 1.9983 | 1.3406 |
| May | 15.9856 | 1.8010 | 7.8907 | 57.315 | 38.2707 | 1.7503 | 9.6117 | 1.4181 | 40.714 | 1.9459 | 1.2565 |
| June | 15.5346 | 1.7667 | 7.9062 | 56.594 | 38.1507 | 1.7081 | 9.3398 | 1.3767 | 39.635 | 1.9274 | 1.2209 |
| July | 16.3699 | 1.7925 | 8.0201 | 59.072 | 39.1317 | 1.7588 | 9.6351 | 1.3460 | 41.273 | 1.9669 | 1.2770 |
| Aug | 16.4571 | 1.8059 | 7.9325 | 58.245 | 39.1898 | 1.7482 | 9.4192 | 1.3413 | 40.937 | 1.9484 | 1.2894 |
| Sep | 16.7361 | 1.7955 | 7.9156 | 57.772 | 40.2564 | 1.7439 | 9.3236 | 1.3089 | 40.264 | 1.9528 | 1.3067 |
| Oct | 17.2845 | 1.8498 | 8.1110 | 60.285 | 42.1471 | 1.8116 | 9.6165 | 1.3452 | 41.636 | 1.9800 | 1.3898 |
| Nov | 16.8386 | 1.7703 | 8.1463 | 59.485 | 42.3360 | 1.7739 | 9.5320 | 1.3442 | 40.826 | 1.9717 | 1.3661 |
| Dec | 16.3797 | 1.7587 | 7.9020 | 58.050 | 40.7385 | 1.7262 | 9.0143 | 1.2811 | 39.805 | 2.0159 | 1.3220 |
| 2011 Jan | 16.1926 | 1.7435 | 7.8199 | 59.089 | 40.2557 | 1.7193 | 9.2652 | 1.2779 | 40.827 | 2.0919 | 1.3360 |
| Feb | 16.4727 | 1.7925 | 7.8206 | 59.558 | 39.9469 | 1.7421 | 9.8126 | 1.2974 | 41.918 | 2.1702 | 1.3649 |
| Mar | 16.8063 | 1.8877 | 7.8295 | 60.870 | 39.8061 | 1.7757 | 9.6862 | 1.2867 | 42.506 | 2.2108 | 1.3999 |
| Apr | 16.9211 | 1.8331 | 7.8065 | 62.361 | 40.5363 | 1.8024 | 9.7200 | 1.2977 | 43.434 | 2.1975 | 1.4442 |
| May | 16.7177 | 1.8024 | 7.8384 | 61.953 | 40.0573 | 1.7763 | 9.8461 | 1.2537 | 43.398 | 2.2603 | 1.4349 |
| June | 16.9931 | 1.7666 | 7.8302 | 62.468 | 40.2670 | 1.7763 | 9.7807 | 1.2092 | 43.923 | 2.3077 | 1.4388 |
| July | 16.6491 | 1.6877 | 7.7829 | 60.961 | 39.8343 | 1.7359 | 9.7000 | 1.1766 | 42.949 | 2.3654 | 1.4264 |
| Aug | 17.5456 | 1.7108 | 7.7882 | 60.836 | 41.2954 | 1.7340 | 10.1532 | 1.1203 | 42.875 | 2.5147 | 1.4343 |
| 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 |

* See Explanatory notes, p 57. + Averages: Bundesbank calculations based on the daily euro reference exchange rates published by the ECB. 1 Up to end-2008, New Turkish lira.

II Euro reference exchange rates of the European Central Bank *

3 End-of-year rates and annual averages

EUR 1 = CU ...

| EU member countries | | | | | | | | | | |
|--------------------------|------------------------------------|-------------------------------------|---------------------------------|---------------------------------------|--------------------------------|---------------------------------------|-------------------------------------|---------------------------------------|---------------------------------|---|
| Period | Bulgaria Bulgarian lev BGN 2 | Croatia 1 Croatian kuna HRK 3 | Cyprus Cyprus pound CYP 4 | Czech Republic Czech koruna CZK | Denmark Danish krone DKK | Estonia Estonian kroon EEK 4 | Greece Greek drachma GRD 4 | Hungary Hungarian forint HUF | Latvia Latvian lats LVL 2 | Lithuania Lithuanian litas LTL 2 |
| End of year | | | | | | | | | | |
| 1999 | | | 0.57667 | 36.103 | 7.4433 | 15.6466 | 330.30 | 254.70 | 0.5881 | 4.0169 |
| 2000 | 1.9543 | 7.5800 | 0.57369 | 35.047 | 7.4631 | 15.6466 | 340.75 | 265.00 | 0.5764 | 3.7229 |
| 2001 | 1.9463 | 7.3490 | 0.57504 | 31.962 | 7.4365 | 15.6466 | – | 245.18 | 0.5563 | 3.5228 |
| 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 | – | 254.97 | 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 |
| Annual averages + | | | | | | | | | | |
| 1999 | | | 0.57884 | 36.884 | 7.4355 | 15.6466 | 325.76 | 252.77 | 0.6256 | 4.2641 |
| 2000 | 5 1.9477 | 6 7.6410 | 0.57392 | 35.599 | 7.4538 | 15.6466 | 336.63 | 260.04 | 0.5592 | 3.6952 |
| 2001 | 1.9482 | 7.4820 | 0.57589 | 34.068 | 7.4521 | 15.6466 | – | 256.59 | 0.5601 | 3.5823 |
| 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 |

| EU member countries (cont'd) | | | | | | | | Other European and non-European countries | | |
|----------------------------------|-------------------------------|---|---|---|-----------------------------------|---|--|---|-------------------------------------|--|
| Malta Maltese lira MTL 2 4 | Poland Polish zloty PLN | Romania Romanian Leu (old)/(new) ROL/RON 2 7 | Slovakia Slovak koruna SKK 2 4 | Slovenia Slovenian tolar SIT 4 | Sweden Swedish krona SEK | United Kingdom Pound sterling GBP | Australia Australian dollar AUD | Brazil Brazilian real BRL 8 | Canada Canadian dollar CAD | |
| End of year | | | | | | | | | | |
| 1999 | 0.4151 | 4.1587 | 18,345 | 42.402 | 198.9055 | 8.5625 | 0.62170 | 1.5422 | 1.4608 | |
| 2000 | 0.4075 | 3.8498 | 24,142 | 43.933 | 213.5401 | 8.8313 | 0.62410 | 1.6770 | 1.3965 | |
| 2001 | 0.3994 | 3.4953 | 27,817 | 42.780 | 218.8364 | 9.3012 | 0.60850 | 1.7280 | 1.4077 | |
| 2002 | 0.4182 | 4.0210 | 35,135 | 41.503 | 230.1577 | 9.1528 | 0.65050 | 1.8556 | 1.6550 | |
| 2003 | 0.4317 | 4.7019 | 41,158 | 41.170 | 236.7000 | 9.0800 | 0.70480 | 1.6802 | 1.6234 | |
| 2004 | 0.4343 | 4.0845 | 39,390 | 38.745 | 239.7600 | 9.0206 | 0.70505 | 1.7459 | 1.6416 | |
| 2005 | 0.4293 | 3.8600 | 7 3.6802 | 37.880 | 239.5000 | 9.3885 | 0.68530 | 1.6109 | 1.3725 | |
| 2006 | 0.4293 | 3.8310 | 3.3835 | 34.435 | 239.6400 | 9.0404 | 0.67150 | 1.6691 | 1.5281 | |
| 2007 | 0.4293 | 3.5935 | 3.6077 | 33.583 | – | 9.4415 | 0.73335 | 1.6757 | 1.4449 | |
| 2008 | – | 4.1535 | 4.0225 | 30.126 | – | 10.8700 | 0.95250 | 2.0274 | 1.6998 | |
| 2009 | – | 4.1045 | 4.2363 | – | – | 10.2520 | 0.88810 | 1.6008 | 2.5113 | |
| 2010 | – | 3.9750 | 4.2620 | – | – | 8.9655 | 0.86075 | 1.3136 | 2.2177 | |
| 2011 | – | 4.4580 | 4.3233 | – | – | 8.9120 | 0.83530 | 1.2723 | 2.4159 | |
| 2012 | – | 4.0740 | 4.4445 | – | – | 8.5820 | 0.81610 | 1.2712 | 2.7036 | |
| Annual averages + | | | | | | | | | | |
| 1999 | 0.4258 | 4.2274 | 16,345 | 44.123 | 194.4732 | 8.8075 | 0.65874 | 1.6523 | 1.5840 | |
| 2000 | 0.4041 | 4.0082 | 19,922 | 42.602 | 206.6127 | 8.4452 | 0.60948 | 1.5889 | 1.3706 | |
| 2001 | 0.4030 | 3.6721 | 26,004 | 43.300 | 217.9797 | 9.2551 | 0.62187 | 1.7319 | 1.3864 | |
| 2002 | 0.4089 | 3.8574 | 31,270 | 42.694 | 225.9772 | 9.1611 | 0.62883 | 1.7376 | 1.4838 | |
| 2003 | 0.4261 | 4.3996 | 37,551 | 41.489 | 233.8493 | 9.1242 | 0.69199 | 1.7379 | 1.5817 | |
| 2004 | 0.4280 | 4.5268 | 40,510 | 40.022 | 239.0874 | 9.1243 | 0.67866 | 1.6905 | 1.6167 | |
| 2005 | 0.4299 | 4.0230 | 7 3.6209 | 38.599 | 239.5681 | 9.2822 | 0.68380 | 1.6320 | 1.5087 | |
| 2006 | 0.4293 | 3.8959 | 3.5258 | 37.234 | 239.5961 | 9.2544 | 0.68173 | 1.6668 | 1.4237 | |
| 2007 | 0.4293 | 3.7837 | 3.3353 | 33.775 | – | 9.2501 | 0.68434 | 1.6348 | 2.6633 | |
| 2008 | – | 3.5121 | 3.6826 | 31.262 | – | 9.6152 | 0.79628 | 1.7416 | 2.6737 | |
| 2009 | – | 4.3276 | 4.2399 | – | – | 10.6191 | 0.89094 | 1.7727 | 2.7674 | |
| 2010 | – | 3.9947 | 4.2122 | – | – | 9.5373 | 0.85784 | 1.4423 | 2.3314 | |
| 2011 | – | 4.1206 | 4.2391 | – | – | 9.0298 | 0.86788 | 1.3484 | 2.3265 | |
| 2012 | – | 4.1847 | 4.4593 | – | – | 8.7041 | 0.81087 | 1.2407 | 2.5084 | |

* See Explanatory notes, p 57. + Averages: Bundesbank calculations based on the daily euro reference exchange rates published by the ECB. 1 Accession to EU on 1 July 2013. 2 Up to September 2000, ECB indicative rates. 3 Up to March 2005, ECB indicative rates. 4 Accession to the euro area, see p 7 (Table I 1). 5 Average from 19 July to 29 December 2000. 6 Average from 13 January to 29 December

2000. 7 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. 8 Up to December 2007, ECB indicative rates.

II Euro reference exchange 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)

| Period | China Chinese yuan renminbi CNY 1 | Hong Kong Hong Kong dollar HKD 2 | Iceland Icelandic krona ISK 2 3 | India Indian rupee INR 4 | Indonesia Indonesian rupiah IDR 1 | Israel New Israeli sheqel ILS 5 | Japan Japanese yen JPY | Korea, Republic of South Korean won KRW 2 | Malaysia Malaysian ringgit MYR 1 | Mexico Mexican peso MXN 6 |
|--------------------------|---|--|---|--|---|---|------------------------------|--|--|---|
| End of year | | | | | | | | | | |
| 1999 | | 7.8033 | 72.83 | | 7,052.77 | | 102.73 | 1,137.28 | 3.8148 | 9.5320 |
| 2000 | 7.7017 | 7.2578 | 78.80 | 43.4290 | 9,077.75 | 3.7620 | 106.92 | 1,177.08 | 3.5380 | 8.9255 |
| 2001 | 7.2945 | 6.8723 | 91.48 | 42.4950 | 9,227.43 | 3.8746 | 115.33 | 1,161.55 | 3.3475 | 8.0466 |
| 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 | 3 | 67.4370 | 15,239.12 | 5.2919 | 126.14 | 1,839.13 | 4.8048 | 19.2339 |
| 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 |
| Annual averages + | | | | | | | | | | |
| 1999 | | 8.2694 | 77.18 | | 8,386.62 | | 121.32 | 1,267.26 | 4.0498 | 10.1945 |
| 2000 | 7 7.6168 | 7.1973 | 72.58 | 7 41.3561 | 7,731.57 | 7 3.7506 | 99.47 | 1,043.50 | 3.5101 | 8.7361 |
| 2001 | 7.4131 | 6.9855 | 87.42 | 42.2471 | 9,167.71 | 3.7672 | 108.68 | 1,154.83 | 3.4036 | 8.3710 |
| 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 | 3 143.83 | 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 |

Other European and non-European countries (cont'd)

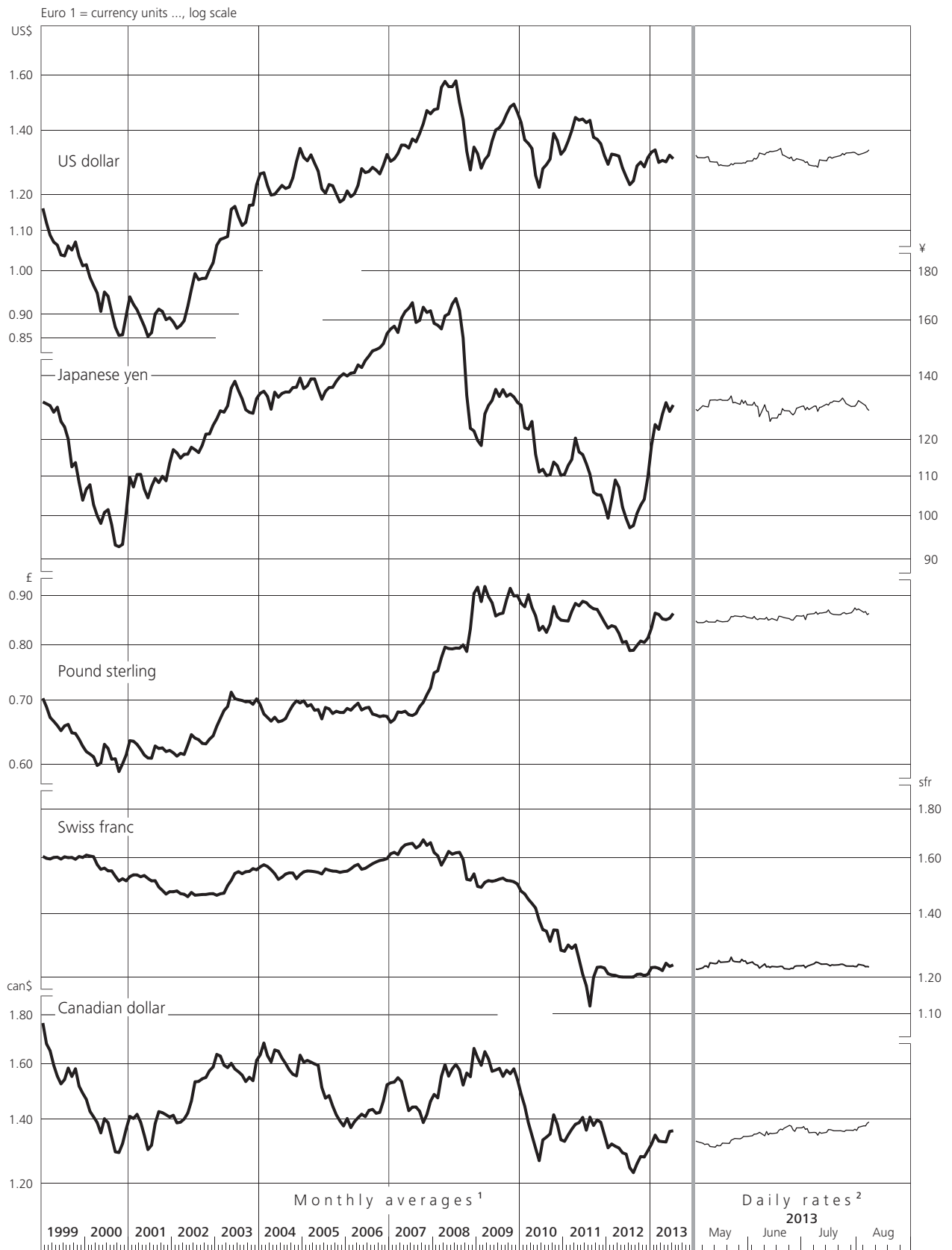
| Period | New Zealand New Zealand dollar NZD | Norway Norwegian krona NOK | Philippines Philippine peso PHP 1 | Russian Federation Russian rouble RUB 1 | Singapore Singapore dollar SGD 2 | South Africa South African rand ZAR 2 | Switzerland Swiss franc CHF | Thailand Thai baht THB 1 | Turkey Turkish lira / New Turkish lira TRL / TRY 2 8 | United States US dollar USD |
|--------------------------|---|-------------------------------------|---|---|--|---|-----------------------------------|---------------------------------------|--|-----------------------------------|
| End of year | | | | | | | | | | |
| 1999 | 1.9357 | 8.0765 | 40.407 | 27.6689 | 1.6718 | 6.1870 | 1.6051 | 37.598 | 544,641 | 1.0046 |
| 2000 | 2.1120 | 8.2335 | 46.562 | 26.6746 | 1.6126 | 7.0392 | 1.5232 | 40.291 | 624,267 | 0.9305 |
| 2001 | 2.1215 | 7.9515 | 45.437 | 26.8631 | 1.6306 | 10.4302 | 1.4829 | 38.945 | 1,269,500 | 0.8813 |
| 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 | 8 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 |
| Annual averages + | | | | | | | | | | |
| 1999 | 2.0145 | 8.3104 | 41.675 | 26.5187 | 1.8064 | 6.5188 | 1.6003 | 40.335 | 447,238 | 1.0658 |
| 2000 | 2.0288 | 8.1129 | 40.737 | 26.0182 | 1.5923 | 6.3899 | 1.5579 | 37.032 | 574,816 | 0.9236 |
| 2001 | 2.1300 | 8.0484 | 45.660 | 26.1510 | 1.6039 | 7.6873 | 1.5105 | 39.841 | 1,102,425 | 0.8956 |
| 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 | 8 1.6771 | 1.2441 |
| 2006 | 1.9373 | 8.0472 | 64.379 | 34.1117 | 1.9941 | 8.5312 | 1.5729 | 47.594 | 1.8090 | 1.2556 |
| 2007 | 1.8627 | 8.0165 | 63.026 | 35.0183 | 2.0636 | 9.6596 | 1.6427 | 44.214 | 1.7865 | 1.3705 |
| 2008 | 2.0770 | 8.2237 | 65.172 | 36.4207 | 2.0762 | 12.0590 | 1.5874 | 48.475 | 1.9064 | 1.4708 |
| 2009 | 2.2121 | 8.7278 | 66.338 | 44.1376 | 2.0241 | 11.6737 | 1.5100 | 47.804 | 2.1631 | 1.3948 |
| 2010 | 1.8377 | 8.0043 | 59.739 | 40.2629 | 1.8055 | 9.6984 | 1.3803 | 42.014 | 1.9965 | 1.3257 |
| 2011 | 1.7600 | 7.7934 | 60.260 | 40.8846 | 1.7489 | 10.0970 | 1.2326 | 42.429 | 2.3378 | 1.3920 |
| 2012 | 1.5867 | 7.4751 | 54.246 | 39.9262 | 1.6055 | 10.5511 | 1.2053 | 39.928 | 2.3135 | 1.2848 |

* See Explanatory notes, p 57. + Averages: Bundesbank calculations based on the daily euro reference exchange rates published by the ECB. **1** Up to March 2005, ECB indicative rates. **2** Up to September 2000, ECB indicative rates. **3** The ECB has not fixed a euro reference exchange rate for the Icelandic krona since 4 December 2008. **4** Up to December 2008, ECB indicative rates. **5** Up to December 2010, ECB indica-

tive rates. **6** Up to December 2007, ECB indicative rates. **7** Average from 13 January to 29 December 2000. **8** 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 reference exchange rates of the European Central Bank

4 Exchange rates of major currencies



¹ Last monthly average: July 2013. ² Last updated: 8 August 2013.

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-21 | | EER-40 | | 24 selected industrial countries | | | 37 countries | 56 countries | |
| | Nominal | Real, based on consumer price indices | Nominal | Real, based on consumer price indices | Total | Euro-area countries | Non-euro- area countries | | | |
| | | | | | | | | | | |
| 1999 | 96.2 | 96.1 | 96.5 | 95.8 | 98.2 | 100.0 | 95.8 | 98.0 | 97.7 | |
| 2000 | 87.0 | 86.6 | 87.9 | 85.8 | 92.9 | 99.0 | 85.7 | 91.9 | 90.9 | |
| 2001 | 87.7 | 87.2 | 90.4 | 87.1 | 92.9 | 98.1 | 86.8 | 91.4 | 90.8 | |
| 2002 | 90.1 | 90.4 | 94.9 | 90.7 | 93.5 | 96.9 | 89.6 | 91.9 | 91.8 | |
| 2003 | 100.6 | 101.5 | 106.8 | 101.6 | 97.0 | 95.7 | 99.2 | 96.5 | 96.7 | |
| 2004 | 104.4 | 105.2 | 111.4 | 105.2 | 98.4 | 95.4 | 102.9 | 98.0 | 98.2 | |
| 2005 | 102.9 | 103.7 | 109.4 | 102.7 | 98.4 | 95.2 | 103.3 | 96.9 | 96.5 | |
| 2006 | 102.8 | 103.7 | 109.4 | 102.0 | 98.5 | 94.8 | 104.2 | 96.4 | 95.8 | |
| 2007 | 106.2 | 106.4 | 112.8 | 104.0 | 100.8 | 95.1 | 109.8 | 97.8 | 96.9 | |
| 2008 | 109.3 | 108.4 | 117.0 | 105.9 | 102.2 | 94.5 | 114.9 | 97.7 | 97.0 | |
| 2009 | 110.6 | 109.0 | 119.8 | 106.8 | 101.7 | 94.4 | 113.8 | 97.9 | 97.4 | |
| 2010 | 103.6 | 101.5 | 111.5 | 98.1 | 98.8 | 94.0 | 106.1 | 93.8 | 92.2 | |
| 2011 | 103.4 | 100.6 | 112.2 | 97.6 | 98.2 | 93.7 | 105.2 | 93.1 | 91.7 | |
| 2012 | 97.9 | 95.5 | 107.1 | 92.8 | 96.0 | 93.2 | 99.7 | 90.3 | 88.8 | |
| 2009 Apr | 109.1 | 107.9 | 118.3 | 105.9 | 101.4 | 94.4 | 112.8 | 97.3 | 96.8 | |
| May | 109.7 | 108.3 | 118.7 | 106.1 | 101.5 | 94.3 | 113.2 | 97.4 | 96.9 | |
| June | 111.0 | 109.6 | 120.1 | 107.3 | 101.9 | 94.5 | 114.0 | 98.2 | 97.7 | |
| July | 110.6 | 108.9 | 119.8 | 106.7 | 101.8 | 94.5 | 113.7 | 97.8 | 97.2 | |
| Aug | 110.5 | 109.0 | 119.9 | 106.8 | 101.9 | 94.6 | 114.0 | 97.9 | 97.4 | |
| Sep | 111.7 | 109.8 | 121.2 | 107.6 | 102.1 | 94.4 | 114.9 | 98.1 | 97.6 | |
| Oct | 113.0 | 111.1 | 122.1 | 108.3 | 102.6 | 94.4 | 116.4 | 98.7 | 98.1 | |
| Nov | 112.9 | 110.8 | 122.0 | 108.1 | 102.3 | 94.3 | 115.9 | 98.6 | 97.9 | |
| Dec | 111.8 | 109.6 | 120.9 | 106.8 | 102.2 | 94.4 | 115.1 | 98.2 | 97.4 | |
| 2010 Jan | 109.7 | 107.5 | 118.3 | 104.4 | 101.2 | 94.2 | 112.6 | 97.0 | 95.9 | |
| Feb | 106.9 | 104.7 | 115.5 | 101.7 | 100.1 | 94.1 | 109.7 | 95.5 | 94.3 | |
| Mar | 106.2 | 104.2 | 114.3 | 100.8 | 100.2 | 94.2 | 109.8 | 95.2 | 93.8 | |
| Apr | 104.9 | 103.0 | 112.6 | 99.3 | 99.5 | 93.9 | 108.3 | 94.3 | 92.7 | |
| May | 101.8 | 99.9 | 109.1 | 96.3 | 98.2 | 94.0 | 104.5 | 93.0 | 91.2 | |
| June | 99.8 | 98.0 | 107.0 | 94.4 | 97.2 | 94.0 | 101.6 | 92.1 | 90.2 | |
| July | 101.6 | 99.7 | 109.2 | 96.4 | 97.8 | 94.0 | 103.2 | 92.9 | 91.2 | |
| Aug | 101.2 | 99.3 | 108.9 | 96.0 | 97.6 | 94.0 | 102.9 | 92.7 | 91.0 | |
| Sep | 101.5 | 99.4 | 109.3 | 96.0 | 97.7 | 93.9 | 103.2 | 92.7 | 91.0 | |
| Oct | 104.9 | 102.5 | 113.0 | 99.0 | 99.1 | 93.9 | 107.4 | 94.2 | 92.6 | |
| Nov | 103.7 | 101.1 | 111.8 | 97.7 | 98.8 | 94.0 | 106.1 | 93.6 | 92.0 | |
| Dec | 101.7 | 99.1 | 109.4 | 95.6 | 97.8 | 94.0 | 103.4 | 92.7 | 91.0 | |
| 2011 Jan | 101.4 | 98.9 | 109.4 | 95.5 | 97.8 | 93.9 | 103.5 | 92.4 | 90.7 | |
| Feb | 102.4 | 99.8 | 110.7 | 96.5 | 98.1 | 93.8 | 104.5 | 92.8 | 91.2 | |
| Mar | 104.1 | 101.5 | 112.4 | 98.1 | 98.6 | 93.8 | 106.1 | 93.5 | 91.9 | |
| Apr | 105.8 | 103.3 | 114.1 | 99.7 | 99.6 | 93.8 | 108.7 | 94.4 | 92.8 | |
| May | 104.9 | 102.0 | 113.3 | 98.6 | 99.0 | 93.7 | 107.2 | 93.7 | 92.1 | |
| June | 105.0 | 102.1 | 113.5 | 98.7 | 98.9 | 93.6 | 107.2 | 93.7 | 92.2 | |
| July | 104.0 | 101.0 | 112.4 | 97.7 | 98.6 | 93.7 | 106.1 | 93.3 | 91.8 | |
| Aug | 103.9 | 100.9 | 113.0 | 98.1 | 98.1 | 93.6 | 105.0 | 93.1 | 91.9 | |
| Sep | 102.8 | 99.9 | 112.1 | 97.4 | 97.8 | 93.6 | 103.9 | 92.7 | 91.6 | |
| Oct | 103.0 | 100.1 | 112.6 | 97.8 | 97.9 | 93.6 | 104.2 | 92.9 | 91.8 | |
| Nov | 102.6 | 99.8 | 112.1 | 97.3 | 97.6 | 93.5 | 103.7 | 92.8 | 91.6 | |
| Dec | 100.8 | 98.1 | 110.3 | 95.7 | 96.8 | 93.4 | 101.8 | 91.8 | 90.6 | |
| 2012 Jan | 99.0 | 96.3 | 108.1 | 93.7 | 96.2 | 93.3 | 99.9 | 90.8 | 89.4 | |
| Feb | 99.7 | 97.2 | 108.4 | 94.2 | 96.8 | 93.4 | 101.5 | 91.2 | 89.7 | |
| Mar | 99.9 | 97.3 | 108.7 | 94.3 | 96.9 | 93.3 | 102.0 | 91.2 | 89.6 | |
| Apr | 99.5 | 97.1 | 108.5 | 94.2 | 96.7 | 93.3 | 101.4 | 91.1 | 89.5 | |
| May | 98.1 | 95.6 | 107.3 | 93.0 | 96.0 | 93.3 | 99.5 | 90.4 | 89.0 | |
| June | 97.2 | 94.8 | 106.7 | 92.4 | 95.5 | 93.1 | 98.5 | 89.9 | 88.5 | |
| July | 95.4 | 93.1 | 104.3 | 90.6 | 94.8 | 93.1 | 96.8 | 89.1 | 87.5 | |
| Aug | 95.3 | 93.1 | 104.5 | 90.6 | 95.0 | 93.1 | 97.0 | 89.1 | 87.5 | |
| Sep | 97.2 | 94.9 | 106.6 | 92.5 | 95.6 | 93.1 | 99.0 | 89.9 | 88.5 | |
| Oct | 97.8 | 95.4 | 107.3 | 92.8 | 95.9 | 92.9 | 99.9 | 90.1 | 88.7 | |
| Nov | 97.3 | 94.8 | 106.7 | 92.3 | 95.9 | 93.0 | 99.7 | 90.0 | 88.5 | |
| Dec | 98.7 | 96.2 | 108.3 | 93.5 | 96.5 | 93.0 | 101.6 | 90.6 | 89.1 | |
| 2013 Jan | 100.4 | 97.9 | 109.9 | 94.8 | 97.4 | 93.1 | 103.9 | 91.4 | 89.9 | |
| Feb | 101.7 | 99.0 | 111.2 | 95.7 | 98.0 | 93.1 | 105.6 | 92.0 | 90.3 | |
| Mar | 100.2 | 97.8 | 109.5 | 94.4 | 97.7 | 93.2 | 104.4 | 91.5 | 89.7 | |
| Apr | 100.5 | p 97.8 | 109.8 | p 94.3 | 97.5 | 92.9 | 104.5 | p 91.3 | p 89.5 | |
| May | 100.6 | p 98.0 | 110.0 | p 94.6 | 98.1 | 93.2 | 105.6 | p 91.7 | p 89.9 | |
| June | 101.6 | p 98.9 | 112.0 | p 96.1 | p 98.2 | 93.2 | p 106.0 | p 92.1 | p 90.8 | |
| July | 101.5 | p 98.7 | 112.0 | p 96.0 | p 98.2 | p 93.1 | p 106.2 | p 92.0 | p 90.7 | |

* See Explanatory notes, p 57. ¹ Source: ECB.

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 2012 | Rate at end of month | | | |
|--------------------------------------|--------------------------------------|---------------------------------------|-----------|------------------------|----------------------|--------------|--------------|------------|
| | | | | | May 2013 | June 2013 | July 2013 | |
| Afghanistan | | | | | | | | |
| Kabul 660 | Afghani = 100 puls | B | USD 1 = | AFN 50.9650 | AFN 55.2900 | AFN 56.2900 | AFN 55.2500 | |
| | | S | USD 1 = | AFN 51.0650 | AFN 55.3900 | AFN 56.3900 | AFN 55.3500 | |
| | AFN | B | EUR 1 = | AFN 65.5450 | AFN 71.3900 | AFN 73.1000 | AFN 72.5300 | |
| | | S | EUR 1 = | AFN 65.8050 | AFN 71.6500 | AFN 73.3600 | AFN 72.7900 | |
| | Albania | | | | | | | |
| | Tirana 070 | Albanian lek = 100 qindarka ALL | M | USD 1 = | ALL 108.09 | ALL 108.16 | ALL 107.99 | ALL 105.58 |
| M | | | EUR 1 = | ALL 139.11 | ALL 140.45 | ALL 140.96 | ALL 140.20 | |
| Algeria | | | | | | | | |
| Algiers 208 | Algerian dinar = 100 centimes | B | USD 1 = | DZD 77.6012 | DZD 79.0219 | DZD 80.0157 | DZD 79.5926 | |
| | | S | USD 1 = | DZD 77.6162 | DZD 79.0369 | DZD 80.0307 | DZD 79.6076 | |
| | DZD | B | EUR 1 = | DZD 102.0723 | DZD 102.7048 | DZD 104.5085 | DZD 105.2612 | |
| | | S | EUR 1 = | DZD 102.1099 | DZD 102.7480 | DZD 104.5601 | DZD 105.2970 | |
| Angola | | | | | | | | |
| Luanda 330 | Kwanza = 100 cêntimos | B | USD 1 = | AOA 95.191 | AOA 95.928 | AOA 96.071 | AOA 95.710 | |
| | | S | USD 1 = | AOA 95.667 | AOA 96.408 | AOA 96.552 | AOA 96.189 | |
| | AOA | B | EUR 1 = | AOA 122.768 | AOA 124.208 | AOA 125.133 | AOA 127.218 | |
| | | S | EUR 1 = | AOA 123.352 | AOA 124.819 | AOA 125.720 | AOA 127.845 | |
| 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 3.4538 | XCD 3.4963 | XCD 3.5162 | XCD 3.5686 | |
| | | V, S | EUR 1 = | XCD 3.4907 | XCD 3.5336 | XCD 3.5537 | XCD 3.6067 | |
| Argentina | | | | | | | | |
| Buenos Aires 528 | Argentine peso = 100 centavos | B | USD 1 = | ARS 4.5123 | ARS 5.2440 | ARS 5.3480 | ARS 5.4650 | |
| | | S | USD 1 = | ARS 4.5523 | ARS 5.2840 | ARS 5.3880 | ARS 5.5050 | |
| | ARS | B | EUR 1 = | ARS 5.7934 | ARS 6.7952 | ARS 6.9492 | ARS 7.2553 | |
| | | S | EUR 1 = | ARS 5.8530 | ARS 6.8602 | ARS 7.0146 | ARS 7.3222 | |
| Armenia | | | | | | | | |
| Yerevan 077 | Armenian dram = 100 luma AMD | M | USD 1 = | AMD 401.73 | AMD 417.22 | AMD 409.90 | AMD 409.75 | |
| | | M | EUR 1 = | AMD 517.27 | AMD 541.59 | AMD 535.25 | AMD 543.94 | |
| 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 230.34 | AWG 231.64 | AWG 232.96 | AWG 236.43 | |
| | | S | EUR 100 = | AWG 232.66 | AWG 233.97 | AWG 235.30 | AWG 238.81 | |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63.

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 2012 | Rate at end of month | | |
|--------------------------------------|---|-----------------|---------|------------------------|----------------------|---------------|---------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Australia | | | | | | | |
| Canberra 800 | Australian dollar = 100 cents AUD | M | AUD 1 = | USD 1.0375 | USD 0.9649 | USD 0.9275 | USD 0.9037 |
| | | M | AUD 1 = | EUR 0.8043 | EUR 0.7403 | EUR 0.7095 | EUR 0.6817 |
| Austria | | | | | | | |
| Vienna 038 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| Azerbaijan | | | | | | | |
| Baku 078 | Azerbaijan manat = 100 qapik AZN | M | USD 1 = | AZN 0.7856 | AZN 0.7846 | AZN 0.7845 | AZN 0.7845 |
| | | M | EUR 1 = | AZN 1.0112 | AZN 1.0228 | AZN 1.0252 | AZN 1.0399 |
| 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 |
| | | B | EUR 1 = | BSD 1.26789 | BSD 1.29660 | BSD 1.27710 | BSD 1.29610 |
| | | S | EUR 1 = | BSD 1.32017 | BSD 1.30310 | BSD 1.33590 | BSD 1.35490 |
| 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 0.4719737 | BHD 0.4752127 | BHD 0.4758335 | BHD 0.4854947 |
| | | S | EUR 1 = | BHD 0.5011680 | BHD 0.5046073 | BHD 0.5052665 | BHD 0.5155253 |
| Bangladesh 1 | | | | | | | |
| Dhaka 666 | Taka = 100 poisha BDT | B | USD 1 = | BDT 81.3708 | BDT 77.1000 | BDT 77.0000 | BDT 77.0500 |
| | | S | USD 1 = | BDT 82.3502 | BDT 78.0900 | BDT 77.9900 | BDT 78.0400 |
| | | B | EUR 1 = | BDT 104.1215 | BDT 98.5916 | BDT 99.0359 | BDT 100.7659 |
| | | S | EUR 1 = | BDT 107.5168 | BDT 102.6435 | BDT 103.0559 | BDT 104.8091 |
| 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 2.56758 | BBD 2.59827 | BBD 2.59787 | BBD 2.64048 |
| | | S | EUR 1 = | BBD 2.61572 | BBD 2.64698 | BBD 2.64658 | BBD 2.68999 |
| Belarus | | | | | | | |
| Minsk 073 | Belarusian rouble BYR | M | USD 1 = | BYR 8,342.50 | BYR 8,700.00 | BYR 8,790.00 | BYR 8,880.00 |
| | | M | EUR 1 = | BYR 10,734.17 | BYR 11,250.00 | BYR 11,450.00 | BYR 11,780.00 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63.

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 2012 | Rate at end of month | | |
|--|---|-----------------|---------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Belgium | | | | | | | |
| Brussels 017 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| 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 2.5575 | BZD 2.5759 | BZD 2.5945 | BZD 2.6213 |
| | | | EUR 1 = | BZD 2.6026 | BZD 2.6213 | BZD 2.6403 | BZD 2.6675 |
| Benin ¹ | | | | | | | |
| Porto-Novo Seat of Government: Cotonou 284 | CFA franc XOF | 2 | 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 1.2797 | BMD 1.2954 | BMD 1.3028 | BMD 1.3222 |
| | | | EUR 1 = | BMD 1.2903 | BMD 1.3062 | BMD 1.3136 | BMD 1.3332 |
| Bhutan ¹ | | | | | | | |
| Thimphu 675 | Ngultrum = 100 chhetrum BTN | B S | USD 1 = | BTN 53.39 | BTN 56.02 | BTN 59.22 | BTN 59.96 |
| | | | USD 1 = | BTN 53.77 | BTN 56.41 | BTN 59.63 | BTN 60.37 |
| | | B S | EUR 1 = | BTN 68.89 | BTN 72.68 | BTN 77.30 | BTN 79.59 |
| | | | EUR 1 = | BTN 69.35 | BTN 73.18 | BTN 77.82 | BTN 80.12 |
| 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 8.8154 | BOB 8.9221 | BOB 8.9729 | BOB 9.1067 |
| | | | EUR 1 = | BOB 8.9439 | BOB 9.0522 | BOB 9.1037 | BOB 9.2394 |
| Bosnia and Herzegovina | | | | | | | |
| Sarajevo 093 | Convertible marka = 100 feninga BAM | B S | USD 1 = | BAM 1.511291 | BAM 1.507217 | BAM 1.491545 | BAM 1.468639 |
| | | | USD 1 = | BAM 1.518866 | BAM 1.514771 | BAM 1.499021 | BAM 1.476001 |
| | | 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 0.1318 | USD 0.1153 | USD 0.1163 | USD 0.1171 |
| | | | BWP 1 = | USD 0.1314 | USD 0.1150 | USD 0.1160 | USD 0.1168 |
| | | B S | BWP 1 = | EUR 0.1019 | EUR 0.0887 | EUR 0.0889 | EUR 0.0886 |
| | | | BWP 1 = | EUR 0.1017 | EUR 0.0884 | EUR 0.0887 | EUR 0.0884 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. 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 2012 | Rate at end of month | | |
|---|--|-----------------|-------------|------------------------|----------------------|----------------|----------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Brazil | | | | | | | |
| Brasilia 508 | Brazilian real = 100 centavos | B | USD 1 = | BRL 1.9544 | BRL 2.1314 | BRL 2.2150 | BRL 2.2897 |
| | | S | USD 1 = | BRL 1.9550 | BRL 2.1319 | BRL 2.2156 | BRL 2.2903 |
| | BRL | B | EUR 1 = | BRL 2.5267 | BRL 2.7668 | BRL 2.8817 | BRL 3.0435 |
| | | S | EUR 1 = | BRL 2.5277 | BRL 2.7676 | BRL 2.8827 | BRL 3.0452 |
| Brunei Darussalam ¹ | | | | | | | |
| Bandar Seri Begawan 703 | Brunei dollar = 100 cents | B | USD 1 = | BND 1.2350 | BND 1.2553 | BND 1.2559 | BND 1.2603 |
| | | S | USD 1 = | BND 1.2560 | BND 1.2763 | BND 1.2768 | BND 1.2813 |
| | BND | B | EUR 1 = | BND 1.5838 | BND 1.6127 | BND 1.6254 | BND 1.6598 |
| | | S | EUR 1 = | BND 1.6405 | BND 1.6692 | BND 1.6818 | BND 1.7164 |
| Bulgaria | | | | | | | |
| Sofia 068 | Bulgarian lev = 100 stotinkas BGN | M | USD 1 = | BGN 1.52364 | BGN 1.50379 | BGN 1.49528 | BGN 1.47332 |
| | | M | EUR 1 = | BGN 1.95583 | BGN 1.95583 | BGN 1.95583 | BGN 1.95583 |
| Burkina Faso ¹ | | | | | | | |
| Ouagadougou 236 | CFA franc 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 1,432.4774 | BIF 1,524.4416 | BIF 1,521.4122 | BIF 1,522.1250 |
| | | S | USD 1 = | BIF 1,468.7426 | BIF 1,555.2384 | BIF 1,552.1478 | BIF 1,552.8750 |
| | BIF | B | EUR 1 = | BIF 1,851.3854 | BIF 1,987.9481 | BIF 1,987.2686 | BIF 2,017.7289 |
| | | S | EUR 1 = | BIF 1,898.2559 | BIF 2,028.1087 | BIF 2,027.4154 | BIF 2,058.4911 |
| Cambodia | | | | | | | |
| Phnom Penh 696 | Riel = 100 sen KHR | M | USD 1 = | KHR 4,034 | KHR 4,065 | KHR 4,062 | KHR 4,062 |
| | | B | EUR 1 = | KHR 5,201 | KHR 5,300 | KHR 5,297 | KHR 5,388 |
| | S | EUR 1 = | KHR 5,201 | KHR 5,353 | KHR 5,350 | KHR 5,442 | |
| Cameroon ¹ | | | | | | | |
| Yaoundé 302 | CFA franc 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 0.9996 | CAD 1.0339 | CAD 1.0512 | CAD 1.0287 |
| | | M | EUR 1 = | CAD 1.2898 | CAD 1.3427 | CAD 1.3676 | CAD 1.3675 |
| Cape Verde | | | | | | | |
| Praia 247 | Cape Verde escudo = 100 centavos CVE | B | USD 1 = | CVE 85.447 | CVE 85.085 | CVE 84.510 | CVE 82.905 |
| | | S | USD 1 = | CVE 85.649 | CVE 85.287 | CVE 84.712 | CVE 83.107 |
| | 2 B/S | EUR 1 = | CVE 110.265 | CVE 110.265 | CVE 110.265 | CVE 110.265 | |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.
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 2012 | Rate at end of month | | |
|---|--|------------------------|---------|------------------------|----------------------|---------------|---------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Cayman Islands | | | | | | | |
| George Town 463 | Cayman Islands dollar = 100 cents KYD | 2 V | KYD 1 = | USD 1.20 | USD 1.20 | USD 1.20 | USD 1.20 |
| | | | EUR 1 = | KYD 1.0707 | KYD 1.0838 | KYD 1.0900 | KYD 1.1063 |
| Central African Republic ¹ | | | | | | | |
| Bangui 306 | CFA franc XAF | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Chad ¹ | | | | | | | |
| N'Djaména 244 | CFA franc XAF | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Chile | | | | | | | |
| Santiago 512 | Chilean peso = 100 centavos CLP | M M | USD 1 = | CLP 485.89 | CLP 492.80 | CLP 503.86 | CLP 514.34 |
| | | | EUR 1 = | CLP 624.33 | CLP 642.84 | CLP 657.01 | CLP 681.97 |
| China | | | | | | | |
| Peking / Beijing 720 | Chinese yuan renminbi = 10 jiao = 100 fen CNY | M M M | USD 1 = | CNY 6.3128 | CNY 6.1796 | CNY 6.1787 | CNY 6.1788 |
| | | | EUR 1 = | CNY 8.1423 | CNY 8.0622 | CNY 8.0536 | CNY 8.1925 |
| | | | HKD 1 = | CNY 0.81380 | CNY 0.79599 | CNY 0.79655 | CNY 0.79672 |
| China (Taiwan) | | | | | | | |
| Taipeh 736 | New Taiwan dollar = 100 cents TWD | B S B S | USD 1 = | TWD 29.48 | TWD 29.88 | TWD 29.92 | TWD 29.90 |
| | | | USD 1 = | TWD 29.58 | TWD 29.98 | TWD 30.02 | TWD 30.00 |
| | | | EUR 1 = | TWD 37.78 | TWD 38.85 | TWD 38.92 | TWD 39.54 |
| | | | EUR 1 = | TWD 38.18 | TWD 39.25 | TWD 39.32 | TWD 39.94 |
| Colombia | | | | | | | |
| Bogotá 480 | Colombian peso = 100 centavos COP | B S V, B V, S | USD 1 = | COP 1,794.93 | COP 1,891.01 | COP 1,922.11 | COP 1,889.92 |
| | | | USD 1 = | COP 1,795.84 | COP 1,891.95 | COP 1,923.15 | COP 1,890.73 |
| | | | EUR 1 = | COP 2,306.34 | COP 2,459.45 | COP 2,514.12 | COP 2,508.87 |
| | | | EUR 1 = | COP 2,307.52 | COP 2,460.67 | COP 2,515.48 | COP 2,509.94 |
| Comoros | | | | | | | |
| Moroni 375 | Comorian franc = 100 centimes KMF | 3 | EUR 1 = | KMF 491.96775 | KMF 491.96775 | KMF 491.96775 | KMF 491.96775 |
| Congo ¹ | | | | | | | |
| Brazzaville 318 | CFA franc XAF | 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 57. ¹ Explanatory notes on individual countries, see pp 61–63.
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 2012 | Rate at end of month | | |
|--|--|-----------------|----------------|------------------------|----------------------|----------------|----------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Congo, Democratic Republic of the | | | | | | | |
| Kinshasa 322 | Congo franc = 100 centimes | B | USD 1 = | CDF 900.5358 | CDF 899.7953 | CDF 898.4562 | CDF 898.0816 |
| | | S | USD 1 = | CDF 937.2923 | CDF 936.5216 | CDF 935.1278 | CDF 934.7380 |
| | CDF | B | EUR 1 = | CDF 1,161.1351 | CDF 1,167.2344 | CDF 1,170.8921 | CDF 1,189.4711 |
| S | | EUR 1 = | CDF 1,208.5644 | CDF 1,214.8767 | CDF 1,218.6836 | CDF 1,238.0209 | |
| Cook Islands ¹ | | | | | | | |
| Avarua 837 | Cook Islands dollar = 100 cents NZD | ² B | NZD 1 = | EUR 0.6404 | EUR 0.6328 | EUR 0.6095 | EUR 0.6134 |
| | | S | NZD 1 = | EUR 0.6183 | EUR 0.6092 | EUR 0.5866 | EUR 0.5905 |
| Costa Rica | | | | | | | |
| San José 436 | Costa Rican colón = 100 céntimos | B | USD 1 = | CRC 497.23 | CRC 493.22 | CRC 493.03 | CRC 492.99 |
| | | S | USD 1 = | CRC 508.28 | CRC 504.20 | CRC 504.53 | CRC 504.44 |
| | CRC | V, B | EUR 1 = | CRC 643.1158 | CRC 641.4819 | CRC 644.8832 | CRC 654.4442 |
| V, S | | EUR 1 = | CRC 657.4196 | CRC 655.7625 | CRC 659.9252 | CRC 669.6441 | |
| Côte d'Ivoire ¹ | | | | | | | |
| Yamoussoukro Seat of Government: Abidjan 272 | CFA franc XOF | ³ | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Croatia | | | | | | | |
| Zagreb 092 | Croatian kuna = 100 lipa | B | USD 1 = | HRK 5.830774 | HRK 5.843593 | HRK 5.689225 | HRK 5.628279 |
| | | S | USD 1 = | HRK 5.865864 | HRK 5.878761 | HRK 5.723463 | HRK 5.662151 |
| | HRK | B | EUR 1 = | HRK 7.505111 | HRK 7.533561 | HRK 7.428990 | HRK 7.467601 |
| S | | EUR 1 = | HRK 7.550278 | HRK 7.578899 | HRK 7.473698 | HRK 7.512541 | |
| 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 1.24829 | CUC 1.26050 | CUC 1.26018 | CUC 1.28431 |
| S | | EUR 1 = | CUC 1.33220 | CUC 1.34521 | CUC 1.34487 | CUC 1.37063 | |
| 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 230.34 | ANG 231.64 | ANG 232.96 | ANG 236.43 |
| S | | EUR 100 = | ANG 234.98 | ANG 236.31 | ANG 237.66 | ANG 241.20 | |
| Cyprus ¹ | | | | | | | |
| Nicosia 600 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| Czech Republic | | | | | | | |
| Prague 061 | Czech koruna = 100 heller CZK | M | USD 1 = | CZK 19.583 | CZK 19.769 | CZK 19.841 | CZK 19.505 |
| | | M | EUR 1 = | CZK 25.115 | CZK 25.710 | CZK 25.950 | CZK 25.860 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Parity in relation to 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 2012 | Rate at end of month | | |
|--------------------------------------|---|-----------------|-----------|------------------------|----------------------|-------------|-------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Denmark | | | | | | | |
| Copenhagen 008 | Danish krone = 100 øre DKK | M | USD 100 = | DKK 579.72 | DKK 573.25 | DKK 570.24 | DKK 561.54 |
| | | | EUR 100 = | DKK 744.52 | DKK 745.57 | DKK 745.88 | DKK 745.45 |
| 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 226.77 | DJF 227.55 | DJF 227.36 | DJF 232.80 |
| | | | S | EUR 1 = | DJF 235.41 | DJF 236.02 | DJF 238.18 |
| 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 3.4538 | XCD 3.4963 | XCD 3.5162 | XCD 3.5686 |
| | | | V, S | EUR 1 = | XCD 3.4907 | XCD 3.5336 | XCD 3.5537 |
| Dominican Republic | | | | | | | |
| Santo Domingo 456 | Dominican peso = 100 centavos DOP | B | USD 1 = | DOP 39.2889 | DOP 41.2034 | DOP 41.7930 | DOP 42.0605 |
| | | | S | USD 1 = | DOP 39.3785 | DOP 41.3011 | DOP 41.9305 |
| | | V, B | EUR 1 = | DOP 50.8090 | DOP 53.5891 | DOP 54.6652 | DOP 55.8353 |
| | | | V, S | EUR 1 = | DOP 50.9253 | DOP 53.7162 | DOP 54.8451 |
| Egypt | | | | | | | |
| Cairo 220 | Egyptian pound = 100 piastres = 1,000 milliems EGP | B | USD 1 = | EGP 6.0758 | EGP 6.9837 | EGP 7.0193 | EGP 7.0008 |
| | | | S | USD 1 = | EGP 6.1016 | EGP 7.0138 | EGP 7.0494 |
| | | B | EUR 1 = | EGP 7.7897 | EGP 9.0589 | EGP 9.0918 | EGP 9.2533 |
| | | | S | EUR 1 = | EGP 7.9739 | EGP 9.5579 | EGP 9.5909 |
| 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 11.2420 | SVC 11.3803 | SVC 11.4450 | SVC 11.6156 |
| Equatorial Guinea 1 | | | | | | | |
| Malabo 310 | CFA franc XAF | 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 19.3804 | ERN 19.4760 | ERN 19.5330 | ERN 19.9305 |
| | | | S | EUR 1 = | ERN 20.1399 | ERN 20.2355 | ERN 20.2925 |
| Estonia | | | | | | | |
| Tallinn 053 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63. 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 2012 | Rate at end of month | | |
|--|--|-----------------|---------------|------------------------|----------------------|-------------|-------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Ethiopia | | | | | | | |
| Addis Ababa 334 | Birr = 100 cents | B | USD 1 = | ETB 17.737600 | ETB 18.5734 | ETB 18.6426 | ETB 18.7075 |
| | | S | USD 1 = | ETB 18.092358 | ETB 18.9449 | ETB 19.0155 | ETB 19.0817 |
| | ETB | B | EUR 1 = | ETB 22.886367 | ETB 24.0897 | ETB 24.3789 | ETB 24.8529 |
| S | | EUR 1 = | ETB 23.344083 | ETB 24.5715 | ETB 24.8665 | ETB 25.3500 | |
| Falkland Islands (Islas Malvinas) | | | | | | | |
| Stanley 529 | Falkland Islands pound = 100 pence FKP | 2 | FKP 1 = | GBP 1 | GBP 1 | GBP 1 | GBP 1 |
| Fiji | | | | | | | |
| Suva 815 | Fiji dollar = 100 cents | B | FJD 1 = | USD 0.5676 | USD 0.5485 | USD 0.5375 | USD 0.5361 |
| | | S | FJD 1 = | USD 0.5506 | USD 0.5315 | USD 0.5205 | USD 0.5191 |
| | FJD | B | FJD 1 = | EUR 0.4396 | EUR 0.4196 | EUR 0.4113 | EUR 0.4034 |
| | | S | FJD 1 = | EUR 0.4276 | EUR 0.4076 | EUR 0.3993 | EUR 0.3914 |
| Finland | | | | | | | |
| Helsinki 032 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| France | | | | | | | |
| Paris 001 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| Gabon ¹ | | | | | | | |
| Libreville 314 | CFA franc XAF | 3 | EUR 1 = | XAF 655.957 | XAF 655.957 | XAF 655.957 | XAF 655.957 |
| Gambia | | | | | | | |
| Banjul 252 | Dalasi = 100 bututs | B | USD 1 = | . | GMD 34.80 | GMD 35.65 | GMD 32.95 |
| | | S | USD 1 = | . | GMD 35.90 | GMD 36.50 | GMD 33.15 |
| | GMD | B | EUR 1 = | . | GMD 43.90 | GMD 44.50 | GMD 43.74 V |
| | | S | EUR 1 = | . | GMD 45.00 | GMD 45.50 | GMD 44.01 V |
| Georgia | | | | | | | |
| Tbilisi 076 | Lari = 100 tetri GEL | M | USD 1 = | GEL 1.6524 | GEL 1.6411 | GEL 1.6509 | GEL 1.6540 |
| | | M | EUR 1 = | GEL 2.1268 | GEL 2.1297 | GEL 2.1566 | GEL 2.1949 |
| Germany | | | | | | | |
| Berlin 004 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63.

2 Value against the pound sterling; for rates see United Kingdom. 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 2012 | Rate at end of month | | |
|--------------------------------------|---------------------------------------|-----------------|--------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Ghana | | | | | | | |
| Accra 276 | Ghana cedi = 100 Ghana pesewas | B | USD 1 = | GHS 1.8191 | GHS 1.9710 | GHS 1.9870 | GHS 1.9912 |
| | | S | USD 1 = | GHS 1.8535 | GHS 1.9735 | GHS 1.9895 | GHS 1.9937 |
| | GHS | B | EUR 1 = | GHS 2.3494 | GHS 2.5716 | GHS 2.5864 | GHS 2.6423 |
| S | | EUR 1 = | GHS 2.3937 | GHS 2.5734 | GHS 2.5893 | GHS 2.6446 | |
| Gibraltar | | | | | | | |
| Gibraltar 044 | Gibraltar pound = 100 pence GIP | | 2 GIP 1 = | GBP 1 | GBP 1 | GBP 1 | GBP 1 |
| Greece | | | | | | | |
| Athens 009 | Euro = 100 cent EUR | | M EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| 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 V, S | EUR 1 = EUR 1 = | XCD 3.4538 XCD 3.4907 | XCD 3.4963 XCD 3.5336 | XCD 3.5162 XCD 3.5537 | XCD 3.5686 XCD 3.6067 |
| Guatemala | | | | | | | |
| Guatemala City 416 | Quetzal = 100 centavos GTQ | | M USD 1 = | GTQ 7.83980 | GTQ 7.79449 | GTQ 7.83298 | GTQ 7.84368 |
| | | | V, M EUR 1 = | GTQ 10.13717 | GTQ 10.13751 | GTQ 10.24554 | GTQ 10.41249 |
| Guinea | | | | | | | |
| Conakry 260 | Guinean franc | B | USD 1 = | GNF 6,664.2067 | GNF 6,534.1852 | GNF 6,532.4269 | GNF 6,555.7032 |
| | | S | USD 1 = | GNF 7,076.4257 | GNF 6,938.3617 | GNF 6,936.4946 | GNF 6,961.2107 |
| | GNF | B S | EUR 1 = EUR 1 = | GNF 8,612.2704 GNF 9,144.9881 | GNF 8,499.0147 GNF 9,024.7270 | GNF 8,522.2041 GNF 9,049.3508 | GNF 8,692.2069 GNF 9,229.8692 |
| Guinea Bissau ¹ | | | | | | | |
| Bissau 257 | CFA franc XOF | | 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 203.84 | GYD 205.24 | GYD 205.49 | GYD 204.49 |
| | | S | USD 1 = | GYD 206.27 | GYD 207.68 | GYD 207.93 | GYD 206.92 |
| | GYD | B S | EUR 1 = EUR 1 = | GYD 263.48 GYD 266.82 | GYD 266.58 GYD 269.96 | GYD 268.47 GYD 271.87 | GYD 271.07 GYD 274.50 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

² Value against the pound sterling; for rates see United Kingdom. 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 2012 | Rate at end of month | | |
|---|---|-----------------|---------|------------------------|----------------------|---------------|-------------------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Haiti | | | | | | | |
| Port-au-Prince 452 | Gourde = 100 centimes HTG | M | USD 1 = | HTG 42.0110 | HTG 43.6803 | HTG 43.7922 | HTG 43.7326 |
| | | V, M | EUR 1 = | HTG 54.3233 | HTG 56.8106 | HTG 57.2802 | HTG 58.0550 |
| Honduras | | | | | | | |
| Tegucigalpa 424 | Lempira = 100 centavos HNL | B | USD 1 = | HNL 19.5386 | HNL 20.3399 | HNL 20.4164 | HNL 20.4632 |
| | | S | USD 1 = | HNL 19.6750 | HNL 20.4820 | HNL 20.5591 | HNL 20.6059 |
| | | V, B | EUR 1 = | HNL 25.2644 | HNL 26.4541 | HNL 26.7047 | HNL 27.1649 |
| | | V, S | EUR 1 = | HNL 25.4407 | HNL 26.6389 | HNL 26.8913 | HNL 27.3543 |
| Hong Kong | | | | | | | |
| Hong Kong 740 | Hong Kong dollar = 100 cents HKD | B | USD 1 = | HKD 7.74472 | HKD 7.75180 | HKD 7.74480 | HKD 7.74320 |
| | | S | USD 1 = | HKD 7.76801 | HKD 7.77390 | HKD 7.76690 | HKD 7.76530 |
| | | B | EUR 1 = | HKD 9.99419 | HKD 10.08638 | HKD 10.08968 | HKD 10.25278 |
| | | S | EUR 1 = | HKD 10.06214 | HKD 10.14642 | HKD 10.14972 | HKD 10.31282 |
| Hungary | | | | | | | |
| Budapest 064 | Hungarian forint = 100 fillér HUF | M | USD 1 = | HUF 225.37 | HUF 227.91 | HUF 226.18 | HUF 225.79 |
| | | M | EUR 1 = | HUF 288.05 | HUF 296.63 | HUF 295.16 | HUF 300.05 |
| Iceland | | | | | | | |
| Reykjavik 024 | Icelandic krona ISK | B | USD 1 = | ISK 126.59 | ISK 122.47 | ISK 123.00 | ISK 118.99 |
| | | S | USD 1 = | ISK 127.20 | ISK 123.05 | ISK 123.58 | ISK 119.55 |
| | | B | EUR 1 = | ISK 160.29 | ISK 159.04 | ISK 160.65 | ISK 157.64 |
| | | S | EUR 1 = | ISK 161.18 | ISK 159.92 | ISK 161.55 | ISK 158.52 |
| India ¹ | | | | | | | |
| New Delhi 664 | Indian rupee = 100 paise INR | B | USD 1 = | INR 52.99 | INR 56.03 | INR 59.40 | INR 60.60 |
| | | S | USD 1 = | INR 53.82 | INR 56.86 | INR 60.24 | INR 61.44 |
| | | B | EUR 1 = | INR 68.23 | INR 72.70 | INR 77.37 | INR 79.99 |
| | | S | EUR 1 = | INR 69.80 | INR 74.34 | INR 79.07 | INR 81.72 |
| Indonesia | | | | | | | |
| Jakarta 700 | Indonesian rupiah = 100 sen IDR | B | USD 1 = | IDR 9,359.88 | IDR 9,753.00 | IDR 9,879.00 | IDR 10,227.00 |
| | | S | USD 1 = | IDR 9,453.71 | IDR 9,851.00 | IDR 9,979.00 | IDR 10,329.00 |
| | | B | EUR 1 = | IDR 12,098.85 | IDR 12,718.89 | IDR 12,909.88 | IDR 13,566.12 |
| | | S | EUR 1 = | IDR 12,223.43 | IDR 12,848.66 | IDR 13,044.55 | IDR 13,702.45 |
| Iran, Islamic Republic of ¹ | | | | | | | |
| Tehran 616 | Iranian rial = 100 dinars IRR | M | USD 1 = | IRR 12,260 | IRR 12,260 | IRR 12,260 | IRR 24,790 ¹ |
| | | M | EUR 1 = | IRR 15,844 | IRR 15,888 | IRR 15,955 | IRR 32,868 ¹ |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

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 2012 | Rate at end of month | | | |
|---|---|---------------------------|---------|------------------------|----------------------|---------------|---------------|------------|
| | | | | | May 2013 | June 2013 | July 2013 | |
| Iraq | | | | | | | | |
| Baghdad 612 | Iraqi dinar = 1,000 fils | B | USD 1 = | IQD 1,164.000 | IQD 1,164.000 | IQD 1,164.000 | IQD 1,164.000 | |
| | | S | USD 1 = | IQD 1,166.000 | IQD 1,166.000 | IQD 1,166.000 | IQD 1,166.000 | |
| | IQD | B | EUR 1 = | IQD 1,501.222 | IQD 1,509.448 | IQD 1,518.771 | IQD 1,548.140 | |
| | | S | EUR 1 = | IQD 1,501.973 | IQD 1,510.203 | IQD 1,519.531 | IQD 1,548.914 | |
| | Ireland | | | | | | | |
| | Dublin 007 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| Israel | | | | | | | | |
| Jerusalem 624 | New Israeli sheqel = 100 agorot ILS | M | USD 1 = | ILS 3.8580 | ILS 3.6830 | ILS 3.6180 | ILS 3.5660 | |
| | | M | EUR 1 = | ILS 4.9645 | ILS 4.7988 | ILS 4.7197 | ILS 4.7269 | |
| Italy | | | | | | | | |
| Rome 005 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 | |
| Jamaica | | | | | | | | |
| Kingston 464 | Jamaican dollar = 100 cents | B | USD 1 = | JMD 88.7233 | JMD 98.6611 | JMD 100.5591 | JMD 101.3621 | |
| | | S | USD 1 = | JMD 89.2293 | JMD 99.4495 | JMD 101.3752 | JMD 101.8550 | |
| | JMD | B | EUR 1 = | JMD 114.3491 | JMD 128.8326 | JMD 130.9061 | JMD 134.1373 | |
| | | S | EUR 1 = | JMD 114.9744 | JMD 129.6835 | JMD 131.8290 | JMD 134.9749 | |
| Japan | | | | | | | | |
| Tokyo 732 | Japanese yen = 100 sen | B | USD 1 = | JPY 78.75 | JPY 100.18 | JPY 97.59 | JPY 97.08 | |
| | | S | USD 1 = | JPY 80.75 | JPY 102.18 | JPY 99.59 | JPY 99.08 | |
| | JPY | B | EUR 1 = | JPY 101.96 | JPY 130.46 | JPY 127.03 | JPY 128.55 | |
| | | S | EUR 1 = | JPY 104.96 | JPY 133.46 | JPY 130.03 | JPY 131.55 | |
| 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 0.91113 | JOD 0.91573 | JOD 0.91983 | JOD 0.93746 | |
| | | S | EUR 1 = | JOD 0.91907 | JOD 0.92343 | JOD 0.93031 | JOD 0.94430 | |
| Kazakhstan | | | | | | | | |
| Astana 079 | Tenge = 100 tiyn KZT | M | USD 1 = | KZT 149.16 | KZT 151.08 | KZT 151.76 | KZT 153.13 | |
| | | M | EUR 1 = | KZT 191.85 | KZT 195.85 | KZT 197.76 | KZT 203.20 | |
| Kenya ¹ | | | | | | | | |
| Nairobi 346 | Kenya shilling = 100 cents | B | USD 1 = | KES 84.5576 | KES 85.0361 | KES 85.9117 | KES 87.1839 | |
| | | S | USD 1 = | KES 84.7455 | KES 85.2111 | KES 86.1033 | KES 87.3756 | |
| | KES | B | EUR 1 = | KES 109.2470 | KES 110.7919 | KES 112.2652 | KES 115.6068 | |
| | | S | EUR 1 = | KES 109.5186 | KES 111.0489 | KES 112.5300 | KES 115.8988 | |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

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 2012 | Rate at end of month | | |
|---|--|----------------------|--|--|--|--|--|
| | | | | | May 2013 | June 2013 | July 2013 |
| Kiribati ¹ | | | | | | | |
| Bairiki / Tarawa 812 | Australian dollar / Kiribati = 100 cents AUD | ² M | AUD 1 = | EUR 0.8043 | EUR 0.7403 | EUR 0.7095 | EUR 0.6817 |
| Korea, Democratic People's Republic of | | | | | | | |
| Pyongyang 724 | North Korean won = 100 chon KPW | M M | USD 1 = EUR 1 = | . . | KPW 100.00 KPW 128.45 | KPW 99.38 KPW 129.20 | KPW 96.69 KPW 130.06 |
| Korea, Republic of | | | | | | | |
| Seoul 728 | South Korean won = 100 chon KRW | B S B S | USD 1 = USD 1 = EUR 1 = EUR 1 = | KRW 1,115.11 KRW 1,137.09 KRW 1,431.95 KRW 1,460.87 | KRW 1,118.70 KRW 1,140.70 KRW 1,458.18 KRW 1,487.62 | KRW 1,130.90 KRW 1,153.10 KRW 1,477.56 KRW 1,507.40 | KRW 1,112.50 KRW 1,134.50 KRW 1,474.42 KRW 1,504.20 |
| Kuwait | | | | | | | |
| Kuwait 636 | Kuwaiti dinar = 1,000 fils KWD | B S B S | USD 1 = USD 1 = EUR 1 = EUR 1 = | KWD 0.27847 KWD 0.28228 KWD 0.359199 KWD 0.364109 | KWD 0.28430 KWD 0.28840 KWD 0.368282 KWD 0.373593 | KWD 0.28355 KWD 0.28765 KWD 0.369650 KWD 0.374995 | KWD 0.28310 KWD 0.28670 KWD 0.375221 KWD 0.379992 |
| Kyrgyzstan | | | | | | | |
| Bishkek 083 | Kyrgyz som = 100 tyiyn KGS | M M | USD 1 = EUR 1 = | KGS 46.9602 KGS 60.4458 | KGS 48.2300 KGS 62.5230 | KGS 48.6409 KGS 63.3864 | KGS 48.8745 KGS 64.8613 |
| Lao People's Democratic Republic | | | | | | | |
| Vientiane 684 | Kip LAK | B S B S | USD 1 = USD 1 = EUR 1 = EUR 1 = | LAK 7,987 LAK 8,023 LAK 10,292 LAK 10,341 | LAK 7,671 LAK 7,707 LAK 9,997 LAK 10,044 | LAK 7,750 LAK 7,772 LAK 10,077 LAK 10,125 | LAK 7,787 LAK 7,806 LAK 10,293 LAK 10,342 |
| Latvia | | | | | | | |
| Riga 054 | Latvian lats = 100 santims LVL | M M | USD 1 = EUR 1 = | LVL 0.5469 LVL 0.702804 | LVL 0.5420 LVL 0.702804 | LVL 0.5390 LVL 0.702804 | LVL 0.5300 LVL 0.702804 |
| Lebanon | | | | | | | |
| Beirut 604 | Lebanese pound = 100 piastres LBP | M M | USD 1 = EUR 1 = | LBP 1,507.50 LBP 1,941.40 | LBP 1,507.50 LBP 1,961.86 | LBP 1,507.50 LBP 1,967.44 | LBP 1,507.50 LBP 1,998.04 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Parity in relation to Australian 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 2012 | Rate at end of month | | |
|---|---|-----------------|---------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Lesotho ¹ | | | | | | | |
| Maseru 395 | Loti = 100 lisente LSL | M | USD 1 = | LSL 8.1972 | LSL 10.1403 | LSL 10.0223 | LSL 9.9115 |
| | | M | EUR 1 = | LSL 10.5883 | LSL 13.1695 | LSL 13.1107 | LSL 13.1018 |
| Liberia ¹ | | | | | | | |
| Monrovia 268 | Liberian dollar = 100 cents LRD | B | USD 1 = | LRD 73.17 | LRD 75.50 | LRD 76.00 | LRD 77.00 |
| | | S | USD 1 = | LRD 74.17 | LRD 76.50 | LRD 77.00 | LRD 78.00 |
| | | V, B | EUR 1 = | LRD 94.6024 | LRD 98.1953 | LRD 99.4080 | LRD 102.2175 |
| | | V, S | EUR 1 = | LRD 95.8956 | LRD 99.4959 | LRD 100.7160 | LRD 103.5450 |
| Libya | | | | | | | |
| Tripoli 216 | Libyan dinar = 1,000 dirham LYD | B | USD 1 = | LYD 1.2566 | LYD 1.2872 | LYD 1.2839 | LYD 1.2736 |
| | | S | USD 1 = | LYD 1.2629 | LYD 1.2937 | LYD 1.2904 | LYD 1.2799 |
| | | B | EUR 1 = | LYD 1.6218 | LYD 1.6701 | LYD 1.6706 | LYD 1.6891 |
| | | S | EUR 1 = | LYD 1.6300 | LYD 1.6785 | LYD 1.6790 | LYD 1.6976 |
| Lithuania | | | | | | | |
| Vilnius 055 | Lithuanian litas = 100 centas LTL | M | USD 1 = | LTL 2.6870 | LTL 2.6635 | LTL 2.6496 | LTL 2.6039 |
| | | M | EUR 1 = | LTL 3.4528 | LTL 3.4528 | LTL 3.4528 | LTL 3.4528 |
| Luxembourg | | | | | | | |
| Luxembourg 018 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| Macao ¹ | | | | | | | |
| Macao 743 | Pataca = 100 avos MOP | B | USD 1 = | MOP 7.9392 | MOP 7.9465 | MOP 7.9398 | MOP 7.9381 |
| | | S | USD 1 = | MOP 8.0390 | MOP 8.0464 | MOP 8.0397 | MOP 8.0380 |
| | | B | EUR 1 = | MOP 10.2481 | MOP 10.3613 | MOP 10.3494 | MOP 10.5260 |
| | | S | EUR 1 = | MOP 10.3770 | MOP 10.4917 | MOP 10.4796 | MOP 10.6584 |
| Macedonia ¹ | | | | | | | |
| Skopje 095 | Macedonian denar = 100 deni MKD | B | USD 1 = | MKD 47.6094 | MKD 47.3920 | MKD 46.9218 | MKD 46.0748 |
| | | S | USD 1 = | MKD 48.0879 | MKD 47.8683 | MKD 47.3934 | MKD 46.5378 |
| | | B | EUR 1 = | MKD 61.2187 | MKD 61.3442 | MKD 61.3737 | MKD 61.2057 |
| | | S | EUR 1 = | MKD 61.8339 | MKD 61.9608 | MKD 61.9905 | MKD 61.8209 |
| Madagascar | | | | | | | |
| Antananarivo 370 | Ariary = 5 iraimbilanja MGA | M | USD 1 = | MGA 2,196.26 | MGA 2,196.81 | MGA 2,183.75 | MGA 2,187.94 |
| | | M | EUR 1 = | MGA 2,824.67 | MGA 2,858.11 | MGA 2,860.59 | MGA 2,879.41 |
| Malawi | | | | | | | |
| Lilongwe 386 | Malawi kwacha = 100 tambala MWK | B | USD 1 = | MWK 250.9565 | MWK 318.3547 | MWK 325.4233 | MWK 322.5312 |
| | | S | USD 1 = | MWK 256.0263 | MWK 339.9469 | MWK 345.6217 | MWK 342.4130 |
| | | B | EUR 1 = | MWK 322.5716 | MWK 415.4528 | MWK 424.2869 | MWK 427.7731 |
| | | S | EUR 1 = | MWK 329.0882 | MWK 443.6308 | MWK 450.6216 | MWK 454.1424 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

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 2012 | Rate at end of month | | |
|--|---------------------------------------|-----------------|---------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Malaysia | | | | | | | |
| Kuala Lumpur Seat of Government: Putrajaya 701 | Malaysian ringgit = 100 sen | B | USD 1 = | MYR 3.0568 | MYR 3.0347 | MYR 3.1416 | MYR 3.2098 |
| | | S | USD 1 = | MYR 3.1220 | MYR 3.1023 | MYR 3.2114 | MYR 3.2812 |
| | MYR | B | EUR 1 = | MYR 3.9294 | MYR 3.9514 | MYR 4.0874 | MYR 4.2492 |
| | | S | EUR 1 = | MYR 4.0329 | MYR 4.0555 | MYR 4.1950 | MYR 4.3611 |
| Maldives | | | | | | | |
| Malé 667 | Rufiyaa = 100 laari MVR | M | USD 1 = | MVR 15.39 | MVR 15.40 | MVR 15.39 | MVR 15.41 |
| | | V, M | EUR 1 = | MVR 19.90514 | MVR 20.02924 | MVR 20.13012 | MVR 20.45678 |
| Mali 1 | | | | | | | |
| Bamako 232 | CFA franc XOF | 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 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| Mauritania | | | | | | | |
| Nouakchott 228 | Ouguiya = 5 khoums MRO | B | USD 1 = | MRO 295.46 | MRO 302.79 | MRO 302.05 | MRO 301.88 |
| | | S | USD 1 = | MRO 298.42 | MRO 305.83 | MRO 305.08 | MRO 304.91 |
| | MRO | B | EUR 1 = | MRO 380.73 | MRO 392.42 | MRO 392.95 | MRO 400.12 |
| | | S | EUR 1 = | MRO 384.54 | MRO 396.35 | MRO 396.88 | MRO 404.13 |
| Mauritius | | | | | | | |
| Port Louis 373 | Mauritian rupee = 100 cents MUR | B | USD 1 = | MUR 29.3421 | MUR 30.5751 | MUR 30.5201 | MUR 30.4227 |
| | | S | USD 1 = | MUR 30.6656 | MUR 31.4603 | MUR 31.3973 | MUR 31.2997 |
| | MUR | B | EUR 1 = | MUR 37.8922 | MUR 39.8396 | MUR 39.8439 | MUR 40.2923 |
| | | S | EUR 1 = | MUR 39.6217 | MUR 41.0321 | MUR 41.0148 | MUR 41.4828 |
| Mexico | | | | | | | |
| Mexico City 412 | Mexican peso = 100 centavos MXN | B | USD 1 = | MXN 13.1501 | MXN 12.8011 | MXN 12.9765 | MXN 12.7820 |
| | | S | USD 1 = | MXN 13.1531 | MXN 12.8041 | MXN 12.9795 | MXN 12.7850 |
| | MXN | V, B | EUR 1 = | MXN 16.9621 | MXN 16.6491 | MXN 16.9733 | MXN 16.9681 |
| | | V, S | EUR 1 = | MXN 16.9657 | MXN 16.6530 | MXN 16.9772 | MXN 16.9721 |
| Moldova, Republic of | | | | | | | |
| Chisinau 074 | Moldovan leu = 100 bani MDL | M | USD 1 = | MDL 12.1134 | MDL 12.5156 | MDL 12.5268 | MDL 12.7287 |
| | | M | EUR 1 = | MDL 15.5712 | MDL 16.2509 | MDL 16.3118 | MDL 16.8878 |
| Mongolia | | | | | | | |
| Ulan Bator 716 | Togrog = 100 mongo MNT | M | USD 1 = | MNT 1,359.82 | MNT 1,442.20 | MNT 1,446.17 | MNT 1,499.60 |
| | | M | EUR 1 = | MNT 1,756.31 | MNT 1,879.84 | MNT 1,886.89 | MNT 1,991.69 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63. 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 2012 | Rate at end of month | | | |
|---|--------------------------------------|---------------------------|------------|------------------------|----------------------|--------------|--------------|------------|
| | | | | | May 2013 | June 2013 | July 2013 | |
| Morocco | | | | | | | | |
| Rabat 204 | Moroccan dirham = 100 centimes | B | USD 1 = | MAD 8.5939 | MAD 8.5273 | MAD 8.4773 | MAD 8.3797 | |
| | | S | USD 1 = | MAD 8.6456 | MAD 8.5786 | MAD 8.5282 | MAD 8.4301 | |
| | MAD | B | EUR 1 = | MAD 11.060 | MAD 11.080 | MAD 11.094 | MAD 11.123 | |
| | | S | EUR 1 = | MAD 11.126 | MAD 11.146 | MAD 11.161 | MAD 11.190 | |
| | Mozambique | | | | | | | |
| | Maputo 366 | Metical = 100 centavos | B | USD 1 = | MZN 28.21 | MZN 29.81 | MZN 29.75 | MZN 29.75 |
| S | | | USD 1 = | MZN 28.41 | MZN 30.01 | MZN 29.95 | MZN 29.95 | |
| MZN | | B | EUR 1 = | MZN 36.51 | MZN 38.71 | MZN 38.92 | MZN 39.33 | |
| | | S | EUR 1 = | MZN 36.77 | MZN 38.97 | MZN 39.18 | MZN 39.60 | |
| Myanmar | | | | | | | | |
| Nay Pyi Taw 676 | | Kyat = 100 pyas MMK | M | USD 1 = | . | MMK 942.50 | MMK 969.00 | MMK 975.00 |
| | V, M | | EUR 1 = | . | MMK 1,225.82 | MMK 1,263.10 | MMK 1,293.20 | |
| Namibia ¹ | | | | | | | | |
| Windhoek 389 | Namibia dollar = 100 cents NAD | M | USD 1 = | NAD 8.1898 | NAD 10.2300 | NAD 9.9500 | NAD 9.8285 | |
| | | M | EUR 1 = | NAD 10.5691 | NAD 13.3066 | NAD 12.9913 | NAD 13.0589 | |
| Nepal | | | | | | | | |
| Kathmandu 672 | Nepalese rupee = 100 paisa | B | USD 1 = | NPR 85.30 | NPR 89.46 | NPR 96.20 | NPR 96.09 | |
| | | S | USD 1 = | NPR 85.90 | NPR 90.06 | NPR 96.80 | NPR 96.69 | |
| | NPR | B | EUR 1 = | NPR 110.14 | NPR 116.09 | NPR 125.34 | NPR 127.46 | |
| | | S | EUR 1 = | NPR 110.91 | NPR 116.87 | NPR 126.12 | NPR 128.26 | |
| Netherlands | | | | | | | | |
| Amsterdam Seat of Government: The Hague 003 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 | |
| New Caledonia ¹ | | | | | | | | |
| Nouméa 809 | CFP franc XPF | ² | XPF 1000 = | 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 0.8237 | USD 0.8222 | USD 0.7938 | USD 0.8110 | |
| | | S | NZD 1 = | USD 0.8008 | USD 0.7973 | USD 0.7696 | USD 0.7864 | |
| | NZD | B | NZD 1 = | EUR 0.6404 | EUR 0.6328 | EUR 0.6095 | EUR 0.6134 | |
| | | S | NZD 1 = | EUR 0.6183 | EUR 0.6092 | EUR 0.5866 | EUR 0.5905 | |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. 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 2012 | Rate at end of month | | |
|--------------------------------------|---|-----------------|---------|------------------------|----------------------|---------------|---------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Nicaragua | | | | | | | |
| Managua 432 | Córdoba = 100 centavos NIO | M | USD 1 = | NIO 23.5930 | NIO 24.6174 | NIO 24.7163 | NIO 24.8190 |
| | | V, M | EUR 1 = | NIO 30.5067 | NIO 32.0174 | NIO 32.3289 | NIO 32.9472 |
| Niger ¹ | | | | | | | |
| Niamey 240 | CFA franc XOF | 2 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Nigeria | | | | | | | |
| Abuja 288 | Naira = 100 kobo NGN | B | USD 1 = | NGN 154.93 | NGN 154.74 | NGN 154.75 | NGN 154.76 |
| | | S | USD 1 = | NGN 155.93 | NGN 155.74 | NGN 155.75 | NGN 155.76 |
| | | B | EUR 1 = | NGN 199.5318 | NGN 201.1929 | NGN 202.4285 | NGN 205.3201 |
| | | S | EUR 1 = | NGN 200.8197 | NGN 202.4931 | NGN 203.7366 | NGN 206.6468 |
| Norway | | | | | | | |
| Oslo 028 | Norwegian krone = 100 øre NOK | B | USD 1 = | NOK 5.8116 | NOK 5.8255 | NOK 6.0117 | NOK 5.9345 |
| | | S | USD 1 = | NOK 5.8338 | NOK 5.8555 | NOK 6.0417 | NOK 5.9645 |
| | | B | EUR 1 = | NOK 7.4584 | NOK 7.5963 | NOK 7.8451 | NOK 7.8634 |
| | | S | EUR 1 = | NOK 7.4889 | NOK 7.6363 | NOK 7.8851 | NOK 7.9034 |
| Oman | | | | | | | |
| Muscat 649 | Rial Omani = 1,000 baisa OMR | B | USD 1 = | OMR 0.3840 | OMR 0.3840 | OMR 0.3840 | OMR 0.3840 |
| | | S | USD 1 = | OMR 0.3850 | OMR 0.3850 | OMR 0.3850 | OMR 0.3850 |
| | | B | EUR 1 = | OMR 0.4963232 | OMR 0.4976256 | OMR 0.4995456 | OMR 0.5090688 |
| | | S | EUR 1 = | OMR 0.4977216 | OMR 0.4990370 | OMR 0.5009620 | OMR 0.5105100 |
| Pakistan | | | | | | | |
| Islamabad 662 | Pakistani rupee = 100 paisa PKR | B | USD 1 = | PKR 93.20 | PKR 98.25 | PKR 98.60 | PKR 101.50 |
| | | S | USD 1 = | PKR 93.40 | PKR 98.45 | PKR 98.80 | PKR 101.70 |
| | | B | EUR 1 = | PKR 119.95 | PKR 128.11 | PKR 128.85 | PKR 134.57 |
| | | S | EUR 1 = | PKR 120.21 | PKR 128.37 | PKR 129.11 | PKR 134.83 |
| Panama ¹ | | | | | | | |
| Panama City 442 | Balboa = 100 centésimos PAB | 3 | USD 1 = | PAB 1 | PAB 1 | PAB 1 | PAB 1 |
| Papua New Guinea | | | | | | | |
| Port Moresby 801 | Kina = 100 toea PGK | B | PGK 1 = | USD 0.5035 | USD 0.4746 | USD 0.4686 | USD 0.4596 |
| | | S | PGK 1 = | USD 0.4615 | USD 0.4171 | USD 0.4111 | USD 0.4021 |
| | | B | PGK 1 = | EUR 0.3854 | EUR 0.3636 | EUR 0.3596 | EUR 0.3469 |
| | | S | PGK 1 = | EUR 0.3649 | EUR 0.3191 | EUR 0.3150 | EUR 0.3023 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. **1** Explanatory notes on individual countries, see pp 61–63.

2 Value against the euro. **3** Parity in relation to US dollar; for rates see United States.

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 2012 | Rate at end of month | | |
|--------------------------------------|--|-----------------|--------------|------------------------|----------------------|--------------|--------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Paraguay | | | | | | | |
| Asunción 520 | Guaraní = 100 céntimos | B | USD 1 = | PYG 4,422.27 | PYG 4,290.60 | PYG 4,487.85 | PYG 4,421.44 |
| | | S | USD 1 = | PYG 4,432.49 | PYG 4,298.94 | PYG 4,499.28 | PYG 4,436.29 |
| | PYG | V, B | EUR 1 = | PYG 5,681.95 | PYG 5,580.35 | PYG 5,870.11 | PYG 5,869.46 |
| V, S | | EUR 1 = | PYG 5,695.16 | PYG 5,591.20 | PYG 5,885.06 | PYG 5,889.17 | |
| Peru | | | | | | | |
| Lima 504 | Nuevo sol = 100 céntimos | B | USD 1 = | PEN 2.639 | PEN 2.730 | PEN 2.780 | PEN 2.790 |
| | | S | USD 1 = | PEN 2.640 | PEN 2.734 | PEN 2.783 | PEN 2.794 |
| | PEN | B | EUR 1 = | PEN 3.346 | PEN 3.449 | PEN 3.521 | PEN 3.633 |
| | | S | EUR 1 = | PEN 3.552 | PEN 3.603 | PEN 3.748 | PEN 3.791 |
| Philippines | | | | | | | |
| Manila 708 | Philippine peso = 100 centavos | B | USD 1 = | PHP 41.79659 | PHP 41.71062 | PHP 42.63840 | PHP 42.85554 |
| | | S | USD 1 = | PHP 42.51549 | PHP 42.80938 | PHP 43.76160 | PHP 43.98446 |
| | PHP | B | EUR 1 = | PHP 53.54778 | PHP 54.41150 | PHP 55.61327 | PHP 56.84787 |
| S | | EUR 1 = | PHP 55.00496 | PHP 55.84484 | PHP 57.07825 | PHP 58.34539 | |
| Poland | | | | | | | |
| Warsaw 060 | Polish zloty = 100 groszy PLN | M | USD 1 = | PLN 3.2581 | PLN 3.2953 | PLN 3.3175 | PLN 3.1929 |
| | | M | EUR 1 = | PLN 4.1736 | PLN 4.2902 | PLN 4.3292 | PLN 4.2427 |
| Portugal | | | | | | | |
| Lisbon 010 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| Qatar | | | | | | | |
| Doha 644 | Qatari riyal = 100 dirham | B | USD 1 = | QAR 3.6300 | QAR 3.6300 | QAR 3.6300 | QAR 3.6300 |
| | | S | USD 1 = | QAR 3.6502 | QAR 3.6502 | QAR 3.6502 | QAR 3.6502 |
| | QAR | B | EUR 1 = | QAR 4.631 | QAR 4.671 | QAR 4.663 | QAR 4.754 |
| S | | EUR 1 = | QAR 4.778 | QAR 4.819 | QAR 4.811 | QAR 4.901 | |
| Romania | | | | | | | |
| Bucharest 066 | Romanian leu = 100 bani RON | M | USD 1 = | RON 3.4704 | RON 3.3737 | RON 3.4151 | RON 3.3169 |
| | | M | EUR 1 = | RON 4.4513 | RON 4.3794 | RON 4.4588 | RON 4.4048 |
| Russian Federation | | | | | | | |
| Moscow 075 | Russian rouble = 100 kopeken RUB | M | USD 1 = | RUB 31.0739 | RUB 31.5893 | RUB 32.7090 | RUB 32.8901 |
| | | M | EUR 1 = | RUB 39.9967 | RUB 40.9650 | RUB 42.7180 | RUB 43.6090 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. 1 Explanatory notes on individual countries, see pp 61–63.

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 2012 | Rate at end of month | | |
|---|--|-----------------|----------------|------------------------|----------------------|----------------|----------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Rwanda | | | | | | | |
| Kigali 324 | Rwanda franc = 100 centimes | B | USD 1 = | RWF 609.900652 | RWF 635.879515 | RWF 637.528631 | RWF 641.756593 |
| | | S | USD 1 = | RWF 619.737759 | RWF 646.135637 | RWF 647.811351 | RWF 654.066917 |
| | RWF | B | EUR 1 = | RWF 784.159222 | RWF 825.625963 | RWF 830.189783 | RWF 851.546824 |
| S | | EUR 1 = | RWF 796.806952 | RWF 838.942511 | RWF 843.579941 | RWF 867.881392 | |
| Saint Helena, Ascension and Tristan da Cunha | | | | | | | |
| Jamestown 329 | Saint Helena pound = 100 pence SHP | 2 | SHP 1 = | GBP 1 | GBP 1 | GBP 1 | GBP 1 |
| 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 3.4538 | XCD 3.4963 | XCD 3.5162 | XCD 3.5686 |
| V, S | | EUR 1 = | XCD 3.4907 | XCD 3.5336 | XCD 3.5537 | XCD 3.6067 | |
| 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 3.4538 | XCD 3.4963 | XCD 3.5162 | XCD 3.5686 |
| V, S | | EUR 1 = | XCD 3.4907 | XCD 3.5336 | XCD 3.5537 | XCD 3.6067 | |
| 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 3.4538 | XCD 3.4963 | XCD 3.5162 | XCD 3.5686 |
| V, S | | EUR 1 = | XCD 3.4907 | XCD 3.5336 | XCD 3.5537 | XCD 3.6067 | |
| Samoa | | | | | | | |
| Apia 819 | Tala = 100 sene | B | WST 1 = | USD 0.4451 | USD 0.4391 | USD 0.4306 | USD 0.4321 |
| | | S | WST 1 = | USD 0.4281 | USD 0.4221 | USD 0.4136 | USD 0.4151 |
| | WST | B | WST 1 = | EUR 0.3618 | EUR 0.3548 | EUR 0.3487 | EUR 0.3441 |
| S | | WST 1 = | EUR 0.3211 | EUR 0.3098 | EUR 0.3037 | EUR 0.2991 | |
| Sao Tome and Principe ¹ | | | | | | | |
| São Tomé 311 | Dobra = 100 céntimos | B | USD 1 = | STD 19,026.23 | STD 18,927.69 | STD 18,799.88 | STD 18,443.24 |
| | | S | USD 1 = | STD 19,311.62 | STD 19,211.60 | STD 19,081.88 | STD 18,719.89 |
| | 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 4.7491 | SAR 4.7439 | SAR 4.7134 | SAR 4.8519 |
| S | | EUR 1 = | SAR 5.0116 | SAR 5.0015 | SAR 5.0696 | SAR 5.1154 | |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Value against the pound sterling; for rates see United Kingdom.

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 2012 | Rate at end of month | | |
|---|--|-----------------|------------|------------------------|----------------------|--------------|---------------------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Senegal ¹ | | | | | | | |
| Dakar 248 | CFA franc XOF | ² | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Serbia | | | | | | | |
| Belgrade 099 | Serbian dinar = 100 para | B | USD 1 = | RSD 87.7097 | RSD 85.3535 | RSD 87.1519 | RSD 85.5721 |
| | | S | USD 1 = | RSD 88.2375 | RSD 85.8671 | RSD 87.6763 | RSD 86.0871 |
| | RSD | B | EUR 1 = | RSD 112.8400 | RSD 111.2753 | RSD 113.8290 | RSD 113.4601 |
| | | S | EUR 1 = | RSD 113.5191 | RSD 111.9449 | RSD 114.5140 | RSD 114.1429 |
| Seychelles | | | | | | | |
| Victoria 355 | Seychelles rupee = 100 cents | B | USD 1 = | SCR 13.4197 | SCR 11.6506 | SCR 11.7664 | SCR 11.8359 |
| | | S | USD 1 = | SCR 13.8702 | SCR 12.0550 | SCR 12.0067 | SCR 12.1874 |
| | SCR | B | EUR 1 = | SCR 17.4614 | SCR 15.2817 | SCR 15.2805 | SCR 15.7003 |
| | | S | EUR 1 = | SCR 17.9058 | SCR 15.7575 | SCR 15.6433 | SCR 15.9961 |
| Sierra Leone | | | | | | | |
| Freetown 264 | Leone = 100 cents | B | USD 1 = | SLL 4,298.64 | SLL 4,283.48 | SLL 4,285.32 | SLL 4,284.46 ³ |
| | | S | USD 1 = | SLL 4,385.48 | SLL 4,370.02 | SLL 4,371.89 | SLL 4,371.02 ³ |
| | SLL | V, B | EUR 1 = | SLL 5,559.12 | SLL 5,571.09 | SLL 5,605.20 | SLL 5,687.62 ³ |
| | | V, S | EUR 1 = | SLL 5,671.42 | SLL 5,683.65 | SLL 5,718.43 | SLL 5,802.53 ³ |
| Singapore ¹ | | | | | | | |
| Singapore 706 | Singapore dollar = 100 cents SGD | M | USD 1 = | SGD 1.2479 | SGD 1.2613 | SGD 1.2652 | SGD 1.2738 |
| | | M | EUR 1 = | SGD 1.6095 | SGD 1.6444 | SGD 1.6535 | SGD 1.6885 |
| 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 230.34 | ANG 231.64 | ANG 232.96 | ANG 236.43 |
| S | | EUR 100 = | ANG 234.98 | ANG 236.31 | ANG 237.66 | ANG 241.20 | |
| Slovakia | | | | | | | |
| Bratislava 063 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| Slovenia | | | | | | | |
| Ljubljana 091 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| Solomon Islands | | | | | | | |
| Honiara 806 | Solomon Islands dollar = 100 cents | B | SBD 1 = | USD 0.1372 | USD 0.1386 | USD 0.1385 | USD . |
| | | S | SBD 1 = | USD 0.1347 | USD 0.1361 | USD 0.1360 | USD . |
| | SBD | B | SBD 1 = | EUR 0.1094 | EUR 0.1091 | EUR 0.1092 | EUR . |
| | | S | SBD 1 = | EUR 0.1036 | EUR 0.1033 | EUR 0.1034 | EUR . |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63. ² Value against the euro. ³ Exchange rates as of 1 August 2013.

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 2012 | Rate at end of month | | |
|--|--|-----------------|---------|------------------------|----------------------|-------------|-------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Somalia ¹ | | | | | | | |
| Mogadishu 342 | Somali shilling | B | USD 1 = | . | . | . | . |
| | SOS | S | USD 1 = | . | . | . | . |
| South Africa | | | | | | | |
| Pretoria Seat of Parliament: Cape Town 388 | South African rand = 100 cents | B | USD 1 = | ZAR 8.0390 | ZAR 9.9425 | ZAR 9.8121 | ZAR 9.7423 |
| | | S | USD 1 = | ZAR 8.3565 | ZAR 10.2600 | ZAR 10.1296 | ZAR 10.0598 |
| | ZAR | B | EUR 1 = | ZAR 10.3436 | ZAR 12.9064 | ZAR 12.7937 | ZAR 12.8779 |
| | | S | EUR 1 = | ZAR 10.7915 | ZAR 13.3547 | ZAR 13.2436 | ZAR 13.3296 |
| South Sudan ¹ | | | | | | | |
| Juba 225 | South Sudanese pound = 100 piastres | B | USD 1 = | . | . | . | . |
| | | S | USD 1 = | . | . | . | . |
| | SSP | B | EUR 1 = | . | . | . | . |
| | | S | EUR 1 = | . | . | . | . |
| Spain | | | | | | | |
| Madrid 011 | Euro = 100 cent EUR | M | EUR 1 = | USD 1.2848 | USD 1.3006 | USD 1.3080 | USD 1.3275 |
| Sri Lanka | | | | | | | |
| Colombo 669 | Sri Lanka rupee = 100 cents | B | USD 1 = | LKR 126.41 | LKR 124.99 | LKR 128.80 | LKR 129.95 |
| | | S | USD 1 = | LKR 129.60 | LKR 128.04 | LKR 132.08 | LKR 133.15 |
| | LKR | B | EUR 1 = | LKR 161.79 | LKR 162.16 | LKR 167.45 | LKR 171.47 |
| | | S | EUR 1 = | LKR 167.41 | LKR 167.57 | LKR 173.21 | LKR 177.22 |
| Sudan | | | | | | | |
| Khartoum 224 | Sudanese pound = 100 piastres | B | USD 1 = | SDG 3.6799 | SDG 4.3980 | SDG 4.3980 | SDG 4.3980 |
| | | S | USD 1 = | SDG 3.6983 | SDG 4.4200 | SDG 4.4200 | SDG 4.4200 |
| | SDG | B | EUR 1 = | SDG 4.7317 | SDG 5.7011 | SDG 5.7227 | SDG 5.8313 |
| | | S | EUR 1 = | SDG 4.7553 | SDG 5.7296 | SDG 5.7513 | SDG 5.8605 |
| Suriname | | | | | | | |
| Paramaribo 492 | Surinamese dollar = 100 cent | B | USD 1 = | SRD 3.250 | SRD 3.250 | SRD 3.250 | SRD 3.250 |
| | | S | USD 1 = | SRD 3.350 | SRD 3.350 | SRD 3.350 | SRD 3.350 |
| | SRD | B | EUR 1 = | SRD 4.190 | SRD 4.207 | SRD 4.235 | SRD 4.317 |
| | | S | EUR 1 = | SRD 4.320 | SRD 4.336 | SRD 4.366 | SRD 4.450 |
| Swaziland ¹ | | | | | | | |
| Mbabane 393 | Lilangeni = 100 cents | B | USD 1 = | SZL 8.1854 | SZL 10.1930 | SZL 10.0655 | SZL 9.8330 |
| | | S | USD 1 = | SZL 8.2167 | SZL 10.2250 | SZL 10.1060 | SZL 9.8720 |
| | SZL | B | EUR 1 = | SZL 10.57058 | SZL 13.2774 | SZL 13.1093 | SZL 13.0405 |
| | | S | EUR 1 = | SZL 10.61358 | SZL 13.3232 | SZL 13.1641 | SZL 13.0962 |
| Sweden | | | | | | | |
| Stockholm 030 | Swedish krona = 100 öre | B | USD 1 = | SEK 6.7429 | SEK 6.5547 | SEK 6.6811 | SEK 6.5374 |
| | | S | USD 1 = | SEK 6.8104 | SEK 6.6222 | SEK 6.7486 | SEK 6.6049 |
| | SEK | B | EUR 1 = | SEK 8.6700 | SEK 8.5627 | SEK 8.7412 | SEK 8.6941 |
| | | S | EUR 1 = | SEK 8.7215 | SEK 8.6142 | SEK 8.7927 | SEK 8.7456 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

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 2012 | Rate at end of month | | |
|--|---|-----------------|----------------|------------------------|----------------------|----------------|----------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Switzerland | | | | | | | |
| Berne 039 | Swiss franc = 100 rappen / centimes | B | USD 1 = | CHF 0.9381 | CHF 0.9540 | CHF 0.9463 | CHF 0.9263 |
| | | B | EUR 1 = | CHF 1.2042 | CHF 1.2414 | CHF 1.2348 | CHF 1.2309 |
| | CHF | | | | | | |
| Syrian Arab Republic | | | | | | | |
| Damascus 608 | Syrian pound = 100 piastres | B | USD 1 = | SYP 65.19 | SYP 99.34 | SYP 102.19 | SYP 105.33 |
| | | S | USD 1 = | SYP 65.58 | SYP 99.94 | SYP 102.80 | SYP 105.96 |
| | B | EUR 1 = | SYP 84.16 | SYP 128.87 | SYP 132.88 | SYP 139.52 | |
| | S | EUR 1 = | SYP 84.75 | SYP 129.77 | SYP 133.82 | SYP 140.50 | |
| Tajikistan | | | | | | | |
| Dushanbe 082 | Somoni = 100 diram | M | USD 1 = | TJS 4.7632 | TJS 4.7559 | TJS 4.7645 | TJS 4.7680 |
| | | M | EUR 1 = | TJS 6.1378 | TJS 6.0480 | TJS 6.1834 | TJS 6.1221 |
| Tanzania, United Republic of | | | | | | | |
| Dodoma Seat of Government: Dar es Salaam 352 | Tanzania shilling = 100 cents | B | USD 1 = | TZS 1,560.3764 | TZS 1,591.4158 | TZS 1,594.6832 | TZS 1,605.4158 |
| | | S | USD 1 = | TZS 1,582.7317 | TZS 1,607.3300 | TZS 1,610.6300 | TZS 1,621.4700 |
| | B | EUR 1 = | TZS 2,017.0086 | TZS 2,074.2514 | TZS 2,083.2941 | TZS 2,132.4739 | |
| | S | EUR 1 = | TZS 2,046.4924 | TZS 2,095.3154 | TZS 2,104.2881 | TZS 2,154.1229 | |
| Thailand | | | | | | | |
| Bangkok 680 | Thai baht = 100 satang | B | USD 1 = | THB 30.9253 | THB 30.0123 | THB 30.9867 | THB 31.2106 |
| | | S | USD 1 = | THB 31.2076 | THB 30.2947 | THB 31.2675 | THB 31.4894 |
| | B | EUR 1 = | THB 39.7716 | THB 39.0138 | THB 40.3271 | THB 41.2705 | |
| | S | EUR 1 = | THB 40.3741 | THB 39.5997 | THB 40.9066 | THB 41.8699 | |
| Togo ¹ | | | | | | | |
| Lomé 280 | CFA franc XOF | 2 | EUR 1 = | XOF 655.957 | XOF 655.957 | XOF 655.957 | XOF 655.957 |
| Tonga | | | | | | | |
| Nuku'alofa 817 | Pa'anga = 100 seniti | B | TOP 1 = | USD 0.6058 | USD 0.5724 | USD 0.5595 | USD . |
| | | S | TOP 1 = | USD 0.5698 | USD 0.5504 | USD 0.5375 | USD . |
| | B | TOP 1 = | EUR 0.4904 | EUR 0.4538 | EUR 0.4438 | EUR . | |
| | S | TOP 1 = | EUR 0.4287 | EUR 0.4088 | EUR 0.3988 | EUR . | |
| Trinidad and Tobago | | | | | | | |
| Port-of-Spain 472 | Trinidad and Tobago dollar = 100 cents | B | USD 1 = | TTD 6.3641 | TTD 6.3670 | TTD 6.4050 | TTD 6.3867 |
| | | S | USD 1 = | TTD 6.4371 | TTD 6.4577 | TTD 6.4430 | TTD 6.4278 |
| | B | EUR 1 = | TTD 8.0425 | TTD 8.0686 | TTD 8.0706 | TTD 8.5737 | |
| | S | EUR 1 = | TTD 8.3584 | TTD 8.4244 | TTD 8.5987 | TTD 8.6833 | |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.
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 2012 | Rate at end of month | | |
|--|---|-----------------|-----------|------------------------|----------------------|----------------|----------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Tunisia | | | | | | | |
| Tunis 212 | Tunisian dinar = 1,000 millimes | B | USD 1 = | TND 1.5527 | TND 1.6293 | TND 1.6325 | TND 1.6351 |
| | | S | USD 1 = | TND 1.5593 | TND 1.6325 | TND 1.6357 | TND 1.6383 |
| | TND | B | EUR 1 = | TND 1.9978 | TND 2.1219 | TND 2.1302 | TND 2.1671 |
| | | S | EUR 1 = | TND 2.0064 | TND 2.1261 | TND 2.1345 | TND 2.1715 |
| Turkey | | | | | | | |
| Ankara 052 | Turkish lira = 100 kuruş | B | USD 1 = | TRY 1.7925 | TRY 1.8661 | TRY 1.9272 | TRY 1.9241 |
| | | S | USD 1 = | TRY 1.8011 | TRY 1.8695 | TRY 1.9306 | TRY 1.9276 |
| | TRY | B | EUR 1 = | TRY 2.3046 | TRY 2.4208 | TRY 2.5109 | TRY 2.5539 |
| | | S | EUR 1 = | TRY 2.3157 | TRY 2.4252 | TRY 2.5154 | TRY 2.5585 |
| Turkmenistan | | | | | | | |
| Ashgabat 080 | Turkmen manat = 100 tenge TMT | M | USD 1 = | TMT 2.85 | TMT 2.85 | TMT 2.85 | TMT 2.85 |
| | | M | EUR 1 = | TMT 3.6628 | TMT 3.6976 | TMT 3.7127 | TMT 3.7814 |
| Uganda | | | | | | | |
| Kampala 350 | Uganda shilling | B | USD 1 = | UGX 2,508.53 | UGX 2,589.55 | UGX 2,588.43 | UGX 2,581.13 |
| | | S | USD 1 = | UGX 2,518.35 | UGX 2,599.45 | UGX 2,598.24 | UGX 2,587.11 |
| | UGX | B | EUR 1 = | UGX 3,236.52 | UGX 3,380.66 | UGX 3,365.48 | UGX 3,420.26 |
| | | S | EUR 1 = | UGX 3,249.20 | UGX 3,393.58 | UGX 3,378.23 | UGX 3,428.18 |
| Ukraine | | | | | | | |
| Kyiv 072 | Hryvnia = 100 kopeken UAH | M | USD 100 = | UAH 799.10 | UAH 799.30 | UAH 799.30 | UAH 799.30 |
| | | M | EUR 100 = | UAH 1,027.2801 | UAH 1,034.6139 | UAH 1,041.0083 | UAH 1,061.7901 |
| United Arab Emirates ¹ | | | | | | | |
| Abu Dhabi 647 | United Arab Emirates dirham = 100 fils | B | USD 1 = | AED 3.653 | AED 3.653 | AED 3.653 | AED 3.653 |
| | | S | USD 1 = | AED 3.685 | AED 3.685 | AED 3.685 | AED 3.685 |
| | AED | B | EUR 1 = | AED 4.65207 | AED 4.67103 | AED 4.68691 | AED 4.77971 |
| | | S | EUR 1 = | AED 4.84510 | AED 4.86152 | AED 4.89286 | AED 4.97421 |
| United Kingdom ¹ | | | | | | | |
| London 006 | Pound sterling = 100 pence GBP | M | GBP 1 = | USD 1.5851 | USD 1.5161 | USD 1.5167 | USD 1.5164 |
| | | M | EUR 1 = | GBP 0.8112 | GBP 0.8548 | GBP 0.8571 | GBP 0.8756 |
| United States | | | | | | | |
| Washington 400 | US dollar = 100 cents | B | EUR 1 = | USD 1.2905 | USD 1.2993 | USD 1.3012 | USD 1.3299 |
| | | S | EUR 1 = | USD 1.2907 | USD 1.2996 | USD 1.3013 | USD 1.3303 |
| | USD | B | GBP 1 = | USD 1.5849 | USD 1.5197 | USD 1.5204 | USD 1.5208 |
| | | S | GBP 1 = | USD 1.5852 | USD 1.5199 | USD 1.5206 | USD 1.5210 |

Source: Central bank or a commercial bank of the country concerned. * See Explanatory notes, p 57. ¹ Explanatory notes on individual countries, see pp 61–63.

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 2012 | Rate at end of month | | |
|---|---|-----------------|---------|------------------------|----------------------|----------------|----------------|
| | | | | | May 2013 | June 2013 | July 2013 |
| Uruguay | | | | | | | |
| Montevideo 524 | Uruguayan peso = 100 centésimos UYU | B / S | USD 1 = | UYU 20.304 | UYU 20.268 | UYU 20.547 | UYU 21.500 |
| | | B / S | EUR 1 = | UYU 26.076 | UYU 26.344 | UYU 26.759 | UYU 28.659 |
| Uzbekistan | | | | | | | |
| Tashkent 081 | Uzbekistan sum = 100 tijin UZS | M | USD 1 = | UZS 1,893.40 | UZS 2,081.59 | UZS 2,093.10 | UZS 2,107.93 |
| | | M | EUR 1 = | UZS 2,436.92 | UZS 2,686.84 | UZS 2,787.43 | UZS 2,783.57 |
| Vanuatu | | | | | | | |
| Port Vila 816 | Vatu VUV | B | USD 1 = | VUV 91.63 | VUV 94.53 | VUV 96.53 | VUV 96.92 |
| | | S | USD 1 = | VUV 96.25 | VUV 99.28 | VUV 101.39 | VUV 101.79 |
| | | B | EUR 1 = | VUV 118.09 | VUV 123.09 | VUV 125.60 | VUV 128.29 |
| | | S | EUR 1 = | VUV 122.58 | VUV 127.80 | VUV 130.41 | VUV 133.19 |
| Venezuela, Bolivarian Republic of ¹ | | | | | | | |
| Caracas 484 | Bolívar = 100 céntimos VEF | B | USD 1 = | VEF 4.2893 | VEF 6.2842 | VEF 6.2842 | VEF 6.2842 |
| | | S | USD 1 = | VEF 4.3000 | VEF 6.3000 | VEF 6.3000 | VEF 6.3000 |
| | | B | EUR 1 = | VEF 5.51387257 | VEF 8.16757474 | VEF 8.17951472 | VEF 8.35610074 |
| | | S | EUR 1 = | VEF 5.52867596 | VEF 8.19189000 | VEF 8.20071000 | VEF 8.37837000 |
| Viet Nam | | | | | | | |
| Hanoi 690 | Dong = 10 hào = 100 xu VND | B | USD 1 = | VND 20,846 | VND 20,980 | VND 21,160 | VND 21,140 |
| | | S | USD 1 = | VND 20,898 | VND 21,036 | VND 21,220 | VND 21,210 |
| | | B | EUR 1 = | VND 26,792.70 | VND 27,185.43 | VND 27,488.08 | VND 27,882.94 |
| | | S | EUR 1 = | VND 27,180.03 | VND 27,587.06 | VND 27,898.81 | VND 28,286.27 |
| Yemen | | | | | | | |
| Sana'a 653 | Yemeni rial = 100 fils YER | B | USD 1 = | YER 214.31 | YER 214.87 | YER 214.87 | YER 214.87 |
| | | S | USD 1 = | YER 214.38 | YER 214.91 | YER 214.91 | YER 214.91 |
| | | B | EUR 1 = | YER 277.07 | YER 275.98 | YER 279.58 | YER 284.89 |
| | | S | EUR 1 = | YER 277.16 | YER 276.03 | YER 279.63 | YER 284.94 |
| Zambia | | | | | | | |
| Lusaka 378 | Kwacha = 100 ngwee ZMW | B | USD 1 = | . | ZMW 5.3295 | ZMW 5.4621 | ZMW 5.4682 |
| | | S | USD 1 = | . | ZMW 5.3495 | ZMW 5.4821 | ZMW 5.4882 |
| | | B | EUR 1 = | . | ZMW 6.9321 | ZMW 7.1538 | ZMW 7.2514 |
| | | S | EUR 1 = | . | ZMW 6.9587 | ZMW 7.1805 | ZMW 7.2785 |
| Zimbabwe ¹ | | | | | | | |
| Harare 382 | Zimbabwe dollar = 100 cents ZWL | M | USD 1 = | . | . | . | . |
| | | M | EUR 1 = | . | . | . | . |

V Value of the special drawing right in selected currencies *

1 End of year

SDR 1 = CU ...

| Period | US dollar USD | Euro EUR | Pound sterling GBP | Japanese yen JPY | Canadian dollar CAD | Swiss franc CHF | Swedish krona SEK | Danish krone DKK | Norwegian krone NOK |
|--------|------------------|-------------|-----------------------|---------------------|------------------------|--------------------|----------------------|---------------------|---------------------------|
| 1999 | 1.37251 | 1.36467 | 0.848150 | 140.111 | 1.98094 | 2.19297 | 11.6873 | 10.1549 | 11.0218 |
| 2000 | 1.30291 | 1.40022 | 0.873149 | 149.704 | 1.95462 | 2.13221 | 12.4232 | 10.4500 | 11.5288 |
| 2001 | 1.25673 | 1.42474 | 0.866469 | 165.491 | 2.00147 | 2.10605 | 13.3943 | 10.5685 | 11.3251 |
| 2002 | 1.35952 | 1.29639 | 0.843483 | 162.414 | 2.14750 | 1.88539 | 11.9542 | 9.62844 | 9.47006 |
| 2003 | 1.48597 | 1.17654 | 0.832619 | 158.575 | 1.92047 | 1.83800 | 10.7715 | 8.82099 | 9.91886 |
| 2004 | 1.55301 | 1.14016 | 0.804085 | 161.161 | 1.86920 | 1.75738 | 10.2351 | 8.46296 | 9.37796 |
| 2005 | 1.42927 | 1.21155 | 0.830055 | 168.610 | 1.66418 | 1.87848 | 11.3363 | 9.03881 | 9.67427 |
| 2006 | 1.50440 | 1.14229 | 0.766377 | 178.948 | 1.75308 | 1.83582 | 10.3390 | 8.51702 | 9.41017 |
| 2007 | 1.58025 | 1.07346 | 0.788780 | 179.947 | 1.56144 | 1.77857 | 10.2088 | 8.02021 | 8.55074 |
| 2008 | 1.54027 | 1.10675 | 1.05657 | 140.464 | 1.88621 | 1.63839 | 12.0833 | 8.18003 | 10.7802 |
| 2009 | 1.56769 | 1.08822 | 0.968007 | 143.797 | 1.64075 | 1.61551 | 11.3070 | 8.10688 | 9.05608 |
| 2010 | 1.54003 | 1.15966 | 0.997755 | 125.436 | 1.54142 | 1.44702 | 10.4761 | 8.64469 | 9.06742 |
| 2011 | 1.53527 | 1.18654 | 0.992989 | 119.321 | 1.56254 | 1.44453 | 10.6293 | 8.82099 | 9.20039 |
| 2012 | 1.53692 | 1.16583 | 0.953662 | 133.020 | 1.52954 | 1.40874 | 10.0140 | 8.69762 | 8.55432 |

Source: IMF, Washington. * See Explanatory notes, pp 59–60. 1 ISO currency code: XDR.

2 End of month

SDR 1 = CU ...

| Period | US dollar USD | Euro EUR | Pound sterling GBP | Japanese yen JPY | Canadian dollar CAD | Swiss franc CHF | Swedish krona SEK | Danish krone DKK | Norwegian krone NOK |
|-----------|------------------|-------------|-----------------------|---------------------|------------------------|--------------------|----------------------|---------------------|---------------------------|
| 2009 Nov | 1.61018 | 1.07181 | 0.977469 | 139.683 | 1.70261 | 1.61437 | 11.2109 | 7.97684 | 9.12375 |
| 2009 Dec | 1.56769 | 1.08822 | 0.968007 | 143.797 | 1.64075 | 1.61551 | 11.3070 | 8.10688 | 9.05608 |
| 2010 Jan | 1.55419 | 1.11284 | 0.963066 | 139.644 | 1.65522 | 1.63159 | 11.3961 | 8.28432 | 9.13868 |
| 2010 Feb | 1.53258 | 1.12939 | 1.00676 | 136.783 | 1.61320 | 1.65105 | 11.0001 | 8.40576 | 9.08422 |
| 2010 Mar | 1.51824 | 1.12637 | 1.00214 | 141.576 | 1.54192 | 1.60964 | 11.0186 | 8.38553 | 9.08306 |
| 2010 Apr | 1.51112 | 1.13490 | 0.985853 | 142.136 | 1.52865 | 1.62823 | 10.9178 | 8.48356 | 8.90274 |
| 2010 May | 1.47433 | 1.19051 | 1.01120 | 134.606 | 1.54790 | 1.69430 | 11.5698 | 8.85865 | 9.47831 |
| 2010 June | 1.47890 | 1.20520 | 0.984291 | 131.030 | 1.56852 | 1.59898 | 11.4947 | 8.97722 | 9.60836 |
| 2010 July | 1.51852 | 1.16558 | 0.974906 | 131.352 | 1.56255 | 1.57835 | 10.9827 | 8.68470 | 9.25523 |
| 2010 Aug | 1.50891 | 1.18999 | 0.979557 | 127.126 | 1.60533 | 1.54090 | 11.2150 | 8.85928 | 9.54918 |
| 2010 Sep | 1.55619 | 1.14023 | 0.977871 | 129.786 | 1.60256 | 1.51417 | 10.4848 | 8.49697 | 9.08538 |
| 2010 Oct | 1.57179 | 1.13429 | 0.987177 | 126.654 | 1.60133 | 1.55481 | 10.6488 | 8.45745 | 9.29213 |
| 2010 Nov | 1.52578 | 1.17385 | 0.982598 | 128.394 | 1.56606 | 1.52242 | 10.6919 | 8.74868 | 9.49767 |
| 2010 Dec | 1.54003 | 1.15966 | 0.997755 | 125.436 | 1.54142 | 1.44702 | 10.4761 | 8.64469 | 9.06742 |
| 2011 Jan | 1.56194 | 1.14077 | 0.982907 | 128.157 | 1.56537 | 1.47306 | 10.2112 | 8.50362 | 9.04282 |
| 2011 Feb | 1.57305 | 1.13709 | 0.968983 | 128.518 | 1.53199 | 1.46026 | 10.0714 | 8.47860 | 8.76586 |
| 2011 Mar | 1.58550 | 1.11600 | 0.98528 | 131.803 | 1.54079 | 1.45042 | 9.99261 | 8.32168 | 8.74172 |
| 2011 Apr | 1.62096 | 1.09082 | 0.972479 | 132.910 | 1.53764 | 1.40440 | 9.73388 | 8.13491 | 8.48882 |
| 2011 May | 1.60077 | 1.11280 | 0.969989 | 129.422 | 1.55083 | 1.36514 | 9.87274 | 8.29710 | 8.63424 |
| 2011 June | 1.60045 | 1.10735 | 0.99978 | 129.188 | 1.54331 | 1.33541 | 10.0972 | 8.25941 | 8.62351 |
| 2011 July | 1.59900 | 1.12132 | 0.982608 | 124.002 | 1.52512 | 1.28096 | 10.1859 | 8.35317 | 8.67566 |
| 2011 Aug | 1.60936 | 1.11374 | 0.988181 | 123.261 | 1.57460 | 1.30278 | 10.2248 | 8.29869 | 8.61987 |
| 2011 Sep | 1.56162 | 1.15650 | 1.00136 | 119.667 | 1.62237 | 1.40765 | 10.7088 | 8.60630 | 9.12251 |
| 2011 Oct | 1.58590 | 1.13271 | 0.989707 | 125.603 | 1.57559 | 1.38053 | 10.2169 | 8.42957 | 8.72357 |
| 2011 Nov | 1.55156 | 1.15632 | 0.994075 | 121.099 | 1.58212 | 1.43007 | 10.7459 | 8.59964 | 8.96507 |
| 2011 Dec | 1.53527 | 1.18654 | 0.992989 | 119.321 | 1.56254 | 1.44453 | 10.6293 | 8.82099 | 9.20039 |
| 2012 Jan | 1.55108 | 1.17720 | 0.982386 | 118.441 | 1.55915 | 1.41707 | 10.4728 | 8.75197 | 9.01274 |
| 2012 Feb | 1.55602 | 1.15750 | 0.975991 | 125.493 | 1.53517 | 1.39529 | 10.2052 | 8.60667 | 8.61245 |
| 2012 Mar | 1.54909 | 1.15984 | 0.967633 | 127.257 | 1.54769 | 1.39898 | 10.2563 | 8.62917 | 8.81943 |
| 2012 Apr | 1.55055 | 1.17341 | 0.953534 | 125.735 | 1.53256 | 1.40976 | 10.4211 | 8.72882 | 8.90321 |
| 2012 May | 1.51026 | 1.21765 | 0.974108 | 119.008 | 1.56296 | 1.46344 | 10.9270 | 9.04945 | 9.16103 |
| 2012 June | 1.51755 | 1.20536 | 0.972602 | 120.342 | 1.54653 | 1.44987 | 10.5670 | 8.95993 | 9.07993 |
| 2012 July | 1.50833 | 1.22788 | 0.961575 | 117.876 | 1.51044 | 1.47530 | 10.2610 | 9.13626 | 9.11278 |
| 2012 Aug | 1.52201 | 1.20689 | 0.960929 | 119.402 | 1.50116 | 1.45200 | 10.1599 | 8.99297 | 8.80134 |
| 2012 Sep | 1.54219 | 1.19272 | 0.952499 | 119.628 | 1.51705 | 1.44272 | 10.0680 | 8.89229 | 8.78974 |
| 2012 Oct | 1.54057 | 1.18569 | 0.955922 | 122.691 | 1.53995 | 1.43057 | 10.2185 | 8.84502 | 8.75695 |
| 2012 Nov | 1.53481 | 1.18190 | 0.955849 | 126.545 | 1.52437 | 1.41970 | 10.2063 | 8.81686 | 8.71771 |
| 2012 Dec | 1.53692 | 1.16583 | 0.953662 | 133.020 | 1.52954 | 1.40874 | 10.0140 | 8.69762 | 8.55432 |
| 2013 Jan | 1.54134 | 1.13752 | 0.976582 | 140.369 | 1.54010 | 1.40508 | 9.80286 | 8.48738 | 8.45745 |
| 2013 Feb | 1.51483 | 1.15380 | 0.997128 | 140.092 | 1.55800 | 1.41000 | 9.7482 | 8.60274 | 8.63849 |
| 2013 Mar | 1.49920 | 1.16987 | 0.990619 | 140.999 | 1.52139 | 1.42738 | 9.76134 | 8.73332 | 8.71612 |
| 2013 Apr | 1.50900 | 1.15437 | 0.974488 | 147.746 | 1.51986 | 1.41288 | 9.89844 | 8.60704 | 8.78194 |
| 2013 May | 1.49877 | 1.15237 | 0.985125 | 151.420 | 1.54958 | 1.42892 | 9.87264 | 8.59166 | 8.77408 |
| 2013 June | 1.50396 | 1.14982 | 0.987430 | 148.696 | 1.57594 | 1.42094 | 10.0970 | 8.57618 | 9.06569 |
| 2013 July | 1.51326 | 1.13993 | 0.995827 | 148.390 | 1.55669 | 1.40521 | 9.94194 | 8.49755 | 8.96604 |

Source: IMF, Washington. * See Explanatory notes, pp 59–60. 1 ISO currency code: XDR.

V Value of the special drawing right in selected currencies *

3 Daily rates

SDR 1 = CU ...

| Period | US dollar USD | Euro EUR | Pound sterling GBP | Japanese yen JPY | Canadian dollar CAD | Swiss franc CHF | Swedish krona SEK | Danish krone DKK | Norwegian krona NOK |
|----------|------------------|-------------|-----------------------|---------------------|------------------------|--------------------|----------------------|---------------------|---------------------------|
| 2013 May | 1 | 1.51502 | . | 0.973094 | 147.335 | 1.52774 | . | 8.53927 | . |
| | 2 | 1.51412 | 1.14784 | 0.972205 | 147.202 | 1.52668 | 1.40631 | 9.84979 | 8.55827 |
| | 3 | 1.51094 | 1.15216 | 0.971355 | . | 1.52288 | 1.40850 | 9.85542 | 8.58745 |
| | 6 | 1.50700 | 1.14976 | 0.969876 | . | 1.51830 | 1.41236 | 9.82280 | 8.56891 |
| | 7 | 1.50930 | 1.15153 | 0.971610 | 149.376 | 1.51715 | 1.41829 | 9.87021 | 8.58192 |
| | 8 | 1.50960 | 1.14930 | 0.973748 | 149.300 | 1.51307 | 1.41903 | 9.84552 | 8.56626 |
| | 9 | 1.51178 | 1.15034 | 0.970959 | 149.485 | 1.51586 | . | . | . |
| | 10 | 1.49987 | 1.15481 | 0.973937 | 151.397 | 1.51847 | 1.43342 | 9.87167 | 8.69112 |
| | 13 | 1.49892 | 1.15542 | 0.975096 | 152.710 | 1.51511 | 1.43222 | 9.91503 | 8.61178 |
| | 14 | 1.49690 | 1.15350 | 0.979835 | 151.845 | 1.51905 | 1.43358 | 9.92507 | 8.59712 |
| | 15 | 1.49035 | 1.15854 | 0.980229 | 152.328 | 1.51613 | 1.45011 | 9.98014 | 8.63565 |
| | 16 | 1.49088 | 1.15662 | 0.980133 | 152.294 | 1.51519 | 1.44168 | 9.96522 | 8.62017 |
| | 17 | 1.49140 | 1.15891 | 0.978033 | 152.570 | 1.53152 | 1.43995 | 9.95837 | 8.63670 |
| | 20 | 1.49075 | 1.15985 | 0.980892 | 153.309 | . | . | 9.97049 | . |
| | 21 | 1.49020 | 1.15825 | 0.983507 | 152.746 | 1.53148 | 1.44445 | 9.90079 | 8.63215 |
| | 22 | 1.49206 | 1.15458 | 0.988641 | 153.085 | 1.54174 | 1.45326 | 9.86651 | 8.60563 |
| | 23 | 1.49158 | 1.15734 | 0.988650 | 153.781 | 1.53781 | 1.44116 | 9.93088 | 8.62701 |
| | 24 | 1.49517 | 1.15555 | 0.989002 | 152.956 | 1.54346 | 1.43865 | 9.96592 | 8.61334 |
| | 28 | 1.49326 | 1.15417 | 0.988396 | 151.760 | 1.54866 | 1.44578 | 9.94965 | 8.60163 |
| | 29 | 1.49386 | 1.15339 | 0.991414 | 152.822 | 1.54914 | 1.44277 | 9.98682 | 8.59720 |
| | 30 | 1.49677 | 1.15634 | 0.987713 | 151.473 | 1.54302 | 1.43615 | 10.00620 | 8.62010 |
| | 31 | 1.49877 | 1.15237 | 0.985125 | 151.420 | 1.54958 | 1.42892 | 9.87264 | 8.59166 |
| June | 3 | 1.50035 | 1.15341 | 0.983642 | 150.711 | 1.54402 | 1.43509 | 9.9058 | 8.59779 |
| | 4 | 1.50428 | 1.14901 | 0.983642 | 150.037 | 1.55663 | 1.42305 | 9.84601 | 8.56524 |
| | 5 | 1.50455 | 1.15141 | 0.979518 | 150.891 | 1.55645 | 1.42511 | 9.90668 | 8.57649 |
| | 6 | 1.50827 | 1.14977 | 0.976286 | 149.771 | 1.54417 | 1.42034 | . | 8.57133 |
| | 7 | 1.51994 | 1.14626 | 0.975819 | 146.674 | 1.55186 | 1.40822 | 9.94224 | 8.54635 |
| | 10 | 1.51423 | 1.14636 | 0.974345 | 148.773 | 1.54255 | 1.41899 | 9.9691 | 8.54723 |
| | 11 | 1.51846 | 1.14402 | 0.977135 | 149.037 | 1.54731 | 1.40898 | 9.97019 | 8.53148 |
| | 12 | 1.52078 | 1.14542 | 0.971062 | 146.603 | 1.55150 | 1.41113 | 9.94817 | 8.77963 |
| | 13 | 1.52597 | 1.14605 | 0.973757 | 144.586 | 1.55191 | 1.40572 | 9.94599 | 8.54847 |
| | 14 | 1.52442 | 1.14592 | 0.974383 | 144.287 | 1.55141 | 1.40963 | 9.89276 | 8.54650 |
| | 17 | 1.52621 | 1.14434 | 0.971619 | 144.456 | 1.55307 | 1.40900 | 9.84378 | 8.53519 |
| | 18 | 1.52627 | 1.14123 | 0.977192 | 144.706 | 1.55817 | 1.40311 | 9.8823 | 8.51296 |
| | 19 | 1.52722 | 1.13921 | 0.976543 | 145.849 | 1.55578 | 1.40703 | 9.80854 | 8.49805 |
| | 20 | 1.51336 | 1.14648 | 0.979326 | 146.841 | 1.57192 | 1.41287 | 9.79931 | 8.55139 |
| | 21 | 1.51463 | 1.14918 | 0.978445 | 147.222 | 1.58581 | 1.40527 | . | 8.57082 |
| | 24 | 1.50836 | 1.15265 | 0.982386 | 148.423 | 1.58861 | 1.41002 | 10.1137 | 8.59764 |
| | 25 | 1.51091 | 1.15038 | 0.978062 | 147.692 | 1.58842 | 1.41180 | 10.1703 | 8.58111 |
| | 26 | 1.50513 | 1.15566 | 0.980027 | 147.713 | 1.57572 | 1.41663 | 10.0865 | 8.62106 |
| | 27 | 1.50376 | 1.15390 | 0.983884 | 146.993 | 1.57594 | 1.42211 | 10.1348 | 8.60726 |
| | 28 | 1.50396 | 1.14982 | 0.987430 | 148.696 | . | 1.42094 | 10.0970 | 8.57618 |
| July | 1 | 1.50220 | 1.15226 | 0.986797 | 149.319 | . | 1.41943 | 10.0141 | 8.59483 |
| | 2 | 1.50108 | 1.15317 | 0.987947 | 149.508 | 1.58064 | 1.42243 | 10.0070 | 8.60267 |
| | 3 | 1.49888 | 1.15663 | 0.982617 | 150.937 | 1.57727 | 1.42558 | 10.1120 | 8.62902 |
| | 8 | 1.48871 | 1.15853 | 0.998732 | 150.881 | 1.57446 | 1.43556 | 10.1768 | 8.64192 |
| | 9 | 1.48854 | 1.15777 | 1.001980 | 150.417 | 1.56743 | 1.44046 | 10.0899 | 8.63550 |
| | 10 | 1.48847 | 1.16169 | 0.999041 | 150.559 | 1.56453 | 1.44278 | 10.1319 | 8.66439 |
| | 11 | 1.50184 | 1.15137 | 0.993809 | 148.157 | 1.56026 | 1.42555 | 10.0126 | 8.58738 |
| | 12 | 1.50122 | 1.15177 | 0.993591 | 148.666 | 1.56007 | 1.42541 | 9.99291 | 8.58996 |
| | 15 | 1.49885 | 1.15190 | 0.995649 | . | 1.56075 | 1.42586 | 10.0006 | 8.59033 |
| | 16 | 1.50410 | 1.14659 | 0.995827 | 150.334 | 1.56246 | 1.41821 | 10.0337 | 8.55015 |
| | 17 | 1.50645 | 1.14681 | 0.989658 | 149.666 | 1.57048 | 1.41471 | 9.95679 | 8.55213 |
| | 18 | 1.50391 | 1.14864 | 0.988181 | 149.940 | 1.56346 | 1.41939 | 9.91916 | 8.56568 |
| | 19 | 1.50451 | 1.14647 | 0.986368 | 151.729 | 1.55912 | 1.41830 | 9.85843 | 8.54949 |
| | 22 | 1.50892 | 1.14607 | 0.984097 | 150.817 | 1.55977 | 1.41597 | 9.84678 | 8.54730 |
| | 23 | 1.50851 | 1.14455 | 0.982869 | 150.097 | 1.55437 | 1.41710 | 9.74336 | 8.53687 |
| | 24 | 1.51122 | 1.14089 | 0.984446 | 150.397 | 1.55626 | 1.41375 | 9.74991 | 8.50905 |
| | 25 | 1.50913 | 1.14311 | 0.987518 | 151.351 | 1.55184 | 1.41451 | 9.80392 | 8.52384 |
| | 26 | 1.51515 | 1.14265 | 0.983545 | 150.454 | 1.55924 | 1.40788 | 9.80383 | 8.51999 |
| | 29 | 1.51662 | 1.14289 | 0.985455 | 148.325 | 1.55620 | 1.40682 | 9.82067 | 8.52144 |
| | 30 | 1.51474 | 1.14027 | 0.989178 | 148.626 | 1.55912 | 1.40855 | 9.83565 | 8.50058 |
| | 31 | 1.51326 | 1.13993 | 0.995827 | 148.390 | 1.55669 | 1.40521 | 9.94194 | 8.49755 |
| Aug | 1 | 1.51051 | 1.14121 | 0.996046 | 148.558 | 1.56156 | . | 9.90197 | 8.50781 |
| | 2 | 1.50774 | 1.14197 | 0.995471 | 150.050 | 1.56534 | 1.41396 | 9.96195 | 8.51303 |
| | 5 | 1.51450 | 1.14242 | 0.986777 | 150.057 | . | 1.40985 | 9.97437 | 8.51709 |
| | 6 | 1.51515 | 1.14092 | 0.986553 | 148.484 | 1.57257 | 1.40500 | 9.97347 | 8.50752 |
| | 7 | 1.51819 | 1.14107 | 0.982772 | 147.796 | 1.58135 | 1.40585 | 9.98034 | 8.50905 |
| | 8 | 1.52281 | 1.13983 | 0.981759 | 147.286 | 1.57581 | 1.40236 | 9.90835 | 8.50015 |

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2012

| 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 Lithuania ³ | | Brunei Darussalam | | | |
| Conventional peg | Aruba Bahamas Bahrain Barbados Belize Curaçao and Sint Maarten (southern part) Eritrea Jordan Oman Qatar Saudi Arabia Turkmenistan United Arab Emirates Venezuela, Bolivarian Republic of | Cape Verde Comoros Denmark ³ Latvia ³ Sao Tome and Principe WAEMU ⁴ Benin Burkina Faso Côte d'Ivoire Guinea-Bissau Mali Niger Senegal Togo CAEMC ⁵ Cameroon Central African Republic Chad Congo Equatorial Guinea Gabon | Fiji Kuwait Libya Morocco Samoa | Bhutan Lesotho Namibia Nepal Swaziland | | | |
| Stabilised arrangement | Cambodia Guyana Iraq Lebanon Maldives Suriname Trinidad and Tobago | Macedonia | Viet Nam ⁶ | | Tajikistan ^{6 7} Ukraine ⁶ | Guatemala ⁶ | Angola ^{6 7} Azerbaijan ⁶ Egypt ^{7 8} Lao People's Democratic Republic ⁶ |
| Crawling peg | Nicaragua | | Botswana | | | | Bolivia, Plurinational State of ^{6 7} |
| Crawl-like arrangement | Ethiopia Honduras Jamaica Kazakhstan | Croatia | | | Argentina ⁶ China ⁶ Rwanda ⁶ Uzbekistan ⁶ | Dominican Republic ⁶ | Haiti ⁶ Tunisia ⁸ |

VI Global exchange rate arrangements and monetary policy framework *

As of end-April 2012

| 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 ⁷ | | Algeria Iran, Islamic Republic of Singapore ⁷ Syrian Arab Republic ⁷ Vanuatu | Bangladesh Burundi Congo, Democratic Republic of the Guinea Kyrgyzstan Malawi Nigeria Paraguay Yemen | | | Belarus Costa Rica Malaysia Mauritania Myanmar Russian Federation Solomon Islands Sudan Switzerland |
| Floating | | | | Afghanistan Gambia Kenya Madagascar Mongolia Mozambique Pakistan ⁷ Papua New Guinea Seychelles Sierra Leone Sri Lanka Tanzania, United Republic of Uganda Zambia | Albania Armenia ⁹ Brazil Colombia Georgia ⁹ Ghana Hungary Iceland Indonesia Korea, Republic of Moldova, Republic of Peru Philippines Romania Serbia South Africa Thailand Turkey Uruguay | | India Mauritius |
| Free floating | | | | | Australia Canada Chile Czech Republic Israel Mexico New Zealand Norway Poland Sweden United Kingdom | | Japan Somalia United States EMU Austria Belgium Cyprus Estonia Finland France Germany Greece Ireland Italy Luxembourg Malta Netherlands Portugal Slovakia Slovenia Spain |

Source: Annual Report on Exchange Arrangements and Exchange Restrictions 2012, Table 1, IMF, Washington. * See Explanatory notes, p 60. 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 member participates in ERM II. ⁴ The members participate in the West African Economic and Monetary Union. ⁵ The members participate in the

Central African Economic and Monetary Community. ⁶ The de facto monetary policy framework is an exchange rate anchor to the US dollar. ⁷ The exchange rate arrangement was reclassified retroactively, overriding a previously published classification. ⁸ The de facto monetary policy framework is an exchange rate anchor to a composite. ⁹ The central bank has taken preliminary steps toward inflation targeting and is preparing for the transition to full-fledged inflation targeting.

VII ISO currency codes *

As of end-July 2013

| 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 | GNF | Guinean franc | Guinea |
| | | | CUP | Cuban peso | Cuba | GTQ | Quetzal | Guatemala |
| AFN | Afghani | Afghanistan | CVE | Cape Verde escudo | Cape Verde | GYD | Guyana dollar | Guyana |
| ALL | Albanian lek | Albania | CZK | Czech koruna | Czech Republic | | | |
| AMD | Armenian dram | Armenia | | | | HKD | Hong Kong dollar | Hong Kong |
| ANG | Netherlands Antillean guilder | Curaçao Sint Maarten (southern part) | DJF | Djibouti franc | Djibouti | HNL | Lempira | Honduras |
| AOA | Kwanza | Angola | DKK | Danish krone | Denmark Faroe Islands Greenland | HRK | Croatian kuna | Croatia |
| ARS | Argentine peso | Argentina | DOP | Dominican peso | Dominican Republic | HTG | Gourde | Haiti |
| AUD | Australian dollar | Australia Christmas Island Cocos Islands Kiribati Nauru Norfolk Island Tuvalu | DZD | Algerian dinar | Algeria | 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 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 | | | | JMD | Jamaican dollar | Jamaica |
| BGN | Bulgarian lev | Bulgaria | | | | JOD | Jordanian dinar | Jordan |
| BHD | Bahraini dinar | Bahrain | | | | JPY | Japanese yen | Japan |
| BIF | Burundi franc | Burundi | | | | | | |
| BMD | Bermudian dollar | Bermuda | | | | KES | Kenya shilling | Kenya |
| BND | Brunei dollar | Brunei Darussalam | | | | KGS | Kyrgyz som | Kyrgyzstan |
| BOB | Boliviano | Bolivia, Plurinational State of | | | | KHR | Riel | Cambodia |
| BRL | Brazilian real | Brazil | | | | KMF | Comorian franc | Comoros |
| BSD | Bahamian dollar | Bahamas | | | | KPW | North Korean won | Korea, Democratic People's Republic of |
| BTN | Ngultrum | Bhutan | | | | KRW | South Korean won | Korea, Republic of |
| BWP | Pula | Botswana | | | | 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 | LTL | Lithuanian litas | Lithuania |
| CRC | Costa Rican colón | Costa Rica | GIP | Gibraltar pound | Gibraltar | LVL | Latvian lats | Latvia |
| | | | GMD | Dalasi | Gambia | LYD | Libyan dinar | Libya |

* Extracted and compiled from ISO communications. ¹ See Explanatory notes on individual countries, pp 61–63.

Excerpts from official notifications and announcements on the euro and Exchange Rate Mechanism II

Council Regulation (EC) No 2866/98

of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro (published in the Official Journal of the European Communities L 359 of 31 December 1998)

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 109I(4), first sentence thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

(1) Whereas according to Article 109j(4) of the Treaty, the third stage of Economic and Monetary Union shall start on 1 January 1999; whereas the Council, meeting in the composition of Heads of State or Government, has confirmed on 3 May 1998 that Belgium, Germany, Spain, France, Ireland, Italy, Luxembourg, the Netherlands, Austria, Portugal and Finland fulfil the necessary conditions for the adoption of a single currency on 1 January 1999;

(2) Whereas according to Council Regulation (EC) No 974/98 of 3 May 1998 on the introduction of the euro, the euro shall be the currency of the Member States which adopt the single currency as from 1 January 1999; whereas the introduction of the euro requires the adoption of the conversion rates at which the euro will be substituted for the national currencies and at which rates the euro will be divided into national currency units; whereas the conversion rates in Article 1 are the conversion rates referred to in the third indent of Article 1 of Regulation (EC) No 974/98;

(3) Whereas according to Council Regulation (EC) No 1103/97 of 17 June 1997 on certain provisions relating to the introduction of the euro, every reference to the ECU in a legal instrument shall be replaced by a reference to

the euro at a rate of one euro to one ECU; whereas Article 109I(4), second sentence, of the Treaty, provides that the adoption of the conversion rates shall by itself not modify the external value of the ECU; whereas this is ensured by adopting as the conversion rates, the exchange rates against the ECU of the currencies of the Member States adopting the euro, as calculated by the Commission on 31 December 1998 according to the established procedure for the calculation of the daily official ECU rates;

(4) Whereas the Ministers of the Member States adopting the euro as their single currency, the Governors of the Central Banks of these Member States, the Commission and the European Monetary Institute/the European Central Bank, have issued two Communiqués on the determination and on the adoption of the irrevocable conversion rates for the euro dated 3 May 1998 and 26 September 1998, respectively;

(5) Whereas Regulation (EC) No 1103/97 stipulates that the conversion rates shall be adopted as one euro expressed in terms of each of the national currencies of the Member States adopting the euro; whereas in order to ensure a high degree of accuracy, these rates will be adopted with six significant figures and no inverse rates nor bilateral rates between the currencies of the Member States adopting the euro will be defined,

has adopted this Regulation:

Article 1

The irrevocably fixed conversion rates between the euro and the currencies of the Member States adopting the euro are:

¹ Editorial note: in the wording of the Treaty of Maastricht of 7 February 1992.

| | | |
|----------|----------|---------------------|
| 1 euro = | 40.3399 | Belgian francs |
| = | 1.95583 | German marks |
| = | 166.386 | Spanish pesetas |
| = | 6.55957 | French francs |
| = | 0.787564 | Irish pounds |
| = | 1936.27 | Italian lire |
| = | 40.3399 | Luxembourg francs |
| = | 2.20371 | Dutch guilders |
| = | 13.7603 | Austrian schillings |
| = | 200.482 | Portuguese escudos |
| = | 5.94573 | Finnish marks. |

Article 2

This Regulation shall enter into force on 1 January 1999.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Communiqué of the European Union of 31 December 1998

The ministers of the euro-area Member States of the European Community, the European Central Bank and the ministers and the central bank governors of Denmark and Greece have decided, following a common procedure involving the European Commission and after consultation of the Monetary Committee, to fix the central rates of the participant currencies in the Exchange Rate Mechanism which comes into operation on 1 January 1999.

The euro central rates of the Danish krone and Greek drachma are as follows (units of national currency per euro):

| | |
|---------------|---------|
| Danish krone | 7.46038 |
| Greek drachma | 353.109 |

A fluctuation band of plus or minus 2.25% will be observed around the central rate for the Danish krone. The standard fluctuation band of plus or minus 15% will be observed around the central rate for the Greek drachma. The compulsory intervention points in the exchange rate mechanism will be communicated by the ECB and the central banks of Denmark and Greece in time for the opening of foreign exchange markets on 4 January 1999.

Council Regulation (EC) No 1478/2000

of 19 June 2000 amending Regulation (EC)
No 2866/98 on the conversion rates between
the euro and the currencies of the Member
States adopting the euro (published in the
Official Journal of the European Communities
L 167 of 7 July 2000)

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 123(5) thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999 pursuant to Council Regulation (EC) No 974/98 of 3 May 1998 on the introduction of the euro.

(2) Council Decision 98/317/EC of 3 May 1998 in accordance with Article 121(4) of the Treaty stipulated that Greece did not fulfil the necessary conditions for the adoption of the single currency.

(3) Pursuant to Council Decision 2000/427/EC of 19 June 2000 in accordance with Article 122(2) of the Treaty on the adoption by Greece of the single currency on 1 January 2001 Greece now fulfils the necessary conditions, and the derogation of Greece should be abrogated with effect from 1 January 2001.

(4) The introduction of the euro in Greece requires the adoption of the conversion rate between the euro and the drachma,

¹ Editorial note: in the wording of the Treaty of Amsterdam of 2 October 1997.

has adopted this Regulation:

Article 1

In the list of conversion rates in Article 1 of Regulation (EC) No 2866/98, the following shall be inserted between the rates of the German mark and the Spanish peseta:

"= 340.750 Greek drachma".

Article 2

This Regulation shall enter into force on 1 January 2001.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Communiqué of the European Union of 27 June 2004

At the request of the Lithuanian authorities, the ministers of the euro area Member States of the European Union, the President of the European Central Bank and the ministers and the central bank governors of Denmark and Lithuania have decided, by mutual agreement, following a common procedure involving the European Commission and after consultation of the Economic and Financial Committee, to include the Lithuanian litas in the Exchange Rate Mechanism II (ERM II).

The central rate of the Lithuanian litas is set at

1 euro = 3.45280 litas.

The standard fluctuation band of plus or minus 15% will be observed around the central rate of the litas.

Following a careful assessment of the appropriateness and sustainability of Lithuania's currency board, it was accepted that Lithuania is joining the exchange rate mechanism with its existing currency board arrangement in place, as a unilateral commitment, thus placing no additional obligations on the ECB.

...

The compulsory intervention points in the exchange rate mechanism will be communicated by the ECB and the Bank of Lithuania, in time for the opening of the foreign exchange markets on 28 June 2004.

Communiqué of the European Union of 29 April 2005

At the request of the Latvian authorities, the ministers of the euro area Member States of the European Union, the President of the European Central Bank and the ministers and the central bank governors of Denmark, Estonia, Lithuania, Slovenia and Latvia have decided, by mutual agreement, following a common procedure involving the European Commission and after consultation of the Economic and Financial Committee, to include the Latvian lats in the Exchange Rate Mechanism II (ERM II).

The central rate of the Latvian lats is set at

1 euro = 0.702804 lats.

The standard fluctuation band of plus or minus 15 percent will be observed around the central rate of the lats.

In line with the existing exchange rate regime, the Latvian authorities have declared that they will maintain the exchange rate of the lats at the central rate against the euro with a fluctuation band of plus or minus 1 percent as a unilateral commitment, thus placing no additional obligations on the ECB.

...

The compulsory intervention points in the exchange rate mechanism will be communicated by the ECB and the Central Bank of Latvia, in time for the opening of the foreign exchange markets on 2 May 2005.

Council Regulation (EC) No 1086/2006 of 11 July 2006 amending Regulation (EC) No 2866/98 on the conversion rates between the euro and the currencies of the Member States adopting the euro (published in the Official Journal of the European Union L 195 of 15 July 2006)

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 123(5) thereof,

¹ Editorial note: in the wording of the Treaty of Amsterdam of 2 October 1997.

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999.

(2) According to Article 4 of the 2003 Act of Accession, Slovenia is a Member State with a derogation as defined in Article 122 of the Treaty.

(3) Pursuant to Council Decision 2006/495/EC of 11 July 2006 in accordance with Article 122(2) of the Treaty on the adoption by Slovenia of the single currency on January 2007, Slovenia fulfils the necessary conditions for the adoption of the single currency and the derogation of Slovenia is abrogated with effect from 1 January 2007.

(4) The introduction of the euro in Slovenia requires the adoption of the conversion rate between the euro and the tolar. This conversion rate should be set at 239.640 Slovenian tolar to 1 euro, which corresponds to the current central rate of the tolar in the exchange rate mechanism (ERM II).

(5) Regulation (EC) No 2866/98 should therefore be amended accordingly,

has adopted this Regulation:

Article 1

In the list of conversion rates in Article 1 of Regulation (EC) No 2866/98, the following shall be inserted between the rates of the Portuguese escudo and the Finnish mark:

“= 239.640 Slovenian tolar”.

Article 2

This Regulation shall enter into force on 1 January 2007.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Council Regulation (EC) No 1134/2007

of 10 July 2007 amending Regulation (EC) No 2866/98 as regards the conversion rate to the euro for Malta (published in the Official Journal of the European Union L 256 of 2 October 2007)

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 123(5) thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999.

(2) According to Article 4 of the 2003 Act of Accession, Malta is a Member State with a derogation as defined in Article 122 of the Treaty.

(3) Pursuant to Council Decision 2007/504/EC of 10 July 2007 in accordance with Article 122(2) of the Treaty on the adoption by Malta of the single currency on 1 January 2008, Malta fulfils the necessary conditions for the adoption of the single currency and the derogation of Malta is abrogated with effect from 1 January 2008.

(4) The introduction of the euro in Malta requires the adoption of the conversion rate between the euro and the Maltese lira. This conversion rate should be set at 0.4293 lira per 1 euro, which corresponds to the current central rate of the lira in the exchange rate mechanism (ERM II).

(5) Regulation (EC) No 2866/98 should therefore be amended accordingly,

has adopted this Regulation:

¹ Editorial note: in the wording of the Treaty of Amsterdam of 2 October 1997.

Article 1

In Article 1 of Regulation (EC) No 2866/98, the following line shall be inserted between the conversion rates applicable to the Luxembourg franc and the Dutch guilder:

"= 0.429300 Maltese liras".

Article 2

This Regulation shall enter into force on 1 January 2008.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Council Regulation (EC) No 1135/2007

**of 10 July 2007 amending Regulation (EC)
No 2866/98 as regards the conversion rate
to the euro for Cyprus (published in the
Official Journal of the European Union L 256
of 2 October 2007)**

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 123(5) thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999.

(2) According to Article 4 of the 2003 Act of Accession, Cyprus is a Member State with a derogation as defined in Article 122 of the Treaty.

(3) Pursuant to Council Decision 2007/503/EC of 10 July 2007 in accordance with Article 122(2) of the Treaty on the adoption by Cyprus of the single currency on 1 January 2008, Cyprus fulfils the necessary conditions for the adoption of the single currency and the derogation of Cyprus is abrogated with effect from 1 January 2008.

(4) The introduction of the euro in Cyprus requires the adoption of the conversion rate between the euro and

the Cyprus pound. This conversion rate should be set at 0.585274 pound per 1 euro, which corresponds to the current central rate of the pound in the exchange rate mechanism (ERM II).

(5) Regulation (EC) No 2866/98 should therefore be amended accordingly,

has adopted this Regulation:

Article 1

In Article 1 of Regulation (EC) No 2866/98, the following line shall be inserted between the conversion rates applicable to the Italian lira and the Luxembourg franc:

"= 0.585274 Cyprus pounds".

Article 2

This Regulation shall enter into force on 1 January 2008.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Council Regulation (EC) No 694/2008

**of 8 July 2008 amending Regulation (EC)
No 2866/98 as regards the conversion rate
to the euro for Slovakia (published in the
Official Journal of the European Union L 195
of 24 July 2008)**

The Council of the European Union,

Having regard to the Treaty establishing the European Community¹, and in particular Article 123(5) thereof,

Having regard to the proposal from the Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999.

¹ Editorial note: in the wording of the Treaty of Amsterdam of 2 October 1997.

(2) According to Article 4 of the 2003 Act of Accession, Slovakia is a Member State with a derogation within the meaning of Article 122 of the Treaty.

(3) Pursuant to Council Decision 2008/608/EC of 8 July 2008 in accordance with Article 122(2) of the Treaty on the adoption by Slovakia of the single currency on 1 January 2009, Slovakia fulfils the necessary conditions for the adoption of the single currency and the derogation in favour of Slovakia shall be abrogated with effect from 1 January 2009.

(4) The introduction of the euro in Slovakia requires the adoption of the conversion rate between the euro and the Slovak koruna. This conversion rate shall be set at 30.1260 korunas per 1 euro, which corresponds to the current central rate of the koruna in the exchange rate mechanism (ERM II).

(5) Regulation (EC) No 2866/98 should therefore be amended accordingly,

has adopted this Regulation:

Article 1

In Article 1 of Regulation (EC) No 2866/98, the following shall be inserted between the conversion rates applicable to the Slovenian tolar and the Finnish mark:

"= 30.1260 Slovak korunas".

Article 2

This Regulation shall enter into force on 1 January 2009.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Council Regulation (EU) No 671/2010

of 13 July 2010 amending Regulation (EC)
No 2866/98 as regards the conversion rate
to the euro for Estonia (published in the
Official Journal of the European Union
L 196 of 28 July 2010)

The Council of the European Union,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 140(3) thereof,

Having regard to the proposal from the European Commission,

Having regard to the opinion of the European Central Bank,

Whereas:

(1) Council Regulation (EC) No 2866/98 of 31 December 1998 on the conversion rates between the euro and the currencies of the Member States adopting the euro determines the conversion rates as from 1 January 1999.

(2) According to Article 4 of the 2003 Act of Accession, Estonia is a Member State with a derogation as defined in Article 139(1) of the Treaty on the Functioning of the European Union (hereinafter 'the Treaty').

(3) Pursuant to Council Decision 2010/416/EU of 13 July 2010 in accordance with Article 140(2) of the Treaty on the adoption by Estonia of the euro on 1 January 2011, Estonia fulfils the necessary conditions for the adoption of the euro and the derogation of Estonia is abrogated with effect from 1 January 2011.

(4) The introduction of the euro in Estonia requires the adoption of the conversion rate between the euro and the Estonian kroon. This conversion rate shall be set at 15.6466 kroon per 1 euro, which corresponds to the current central rate of the kroon in the exchange rate mechanism (ERM II).

(5) Regulation (EC) No 2866/98 should therefore be amended accordingly,

has adopted this Regulation:

Article 1

In Article 1 of Regulation (EC) No 2866/98, the following line is inserted between the conversion rates applicable to the German mark and the Greek drachma:

"= 15.6466 Estonian kroons".

Article 2

This Regulation shall enter into force on 1 January 2011.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

■ Explanatory notes

■ Euro reference exchange 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 (see Excerpts from official notifications and announcements, pp 51-56). On 1 January 2001, Greece joined the European Monetary Union, followed by Slovenia on 1 January 2007, Cyprus and Malta on 1 January 2008, Slovakia on 1 January 2009 and Estonia on 1 January 2011 (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 reference exchange 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 2.15 pm CET. Only one reference rate, ie the middle rate, is established by this procedure.

■ 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 58 shows trading partners' membership of the EER-12, EER-21 and EER-40 groups as well as their percentage weights (see Deutsche Bundesbank, *Monthly Report*, August 2013). 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 February 2012, see ECB Monthly Bulletin, March 2012, pp 17-21.

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 price indices for determining the real effective exchange rate 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.int).

■ 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 methodically 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 February 2012, pp 34-35).

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

The selected industrialised countries in the group of 24 comprise 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 comprise the euro-area countries and the EER-21 group. The group of 56 countries consist of the euro-area countries as well as the EER-40 group.

■ Overview of world currencies

The exchange rates listed in Table IV 1 (pp 20-42) are, in all cases, the latest end-of-month rates known to us in a given month; in general, they have been taken from reli-

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

Figures in %

As of August 2013

| Trading partner | Calculation period for weights | | | | | | | | | | | | | | |
|---|--------------------------------|--------------|--------------|--------------|-------------------|--------------|--------------|--------------|--------------|-------------------|--------------|--------------|--------------|--------------|--------------|
| | EER-12 | | | | | EER-21 | | | | | EER-40 | | | | |
| | 1995 to 1997 | 1998 to 2000 | 2001 to 2003 | 2004 to 2006 | 2007 to 2009 | 1995 to 1997 | 1998 to 2000 | 2001 to 2003 | 2004 to 2006 | 2007 to 2009 | 1995 to 1997 | 1998 to 2000 | 2001 to 2003 | 2004 to 2006 | 2007 to 2009 |
| | Period of use of weights | | | | | | | | | | | | | | |
| Up to end of 1997 | 1998 to 2000 | 2001 to 2003 | 2004 to 2006 | From 2007 | Up to end of 1997 | 1998 to 2000 | 2001 to 2003 | 2004 to 2006 | From 2007 | Up to end of 1997 | 1998 to 2000 | 2001 to 2003 | 2004 to 2006 | From 2007 | |
| EER-40 group | | | | | | | | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| EER-21 group | | | | | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | | | | |
| EER-12 group | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | | | | | | | | | | |
| Australia | 1.2 | 1.2 | 1.3 | 1.4 | 1.5 | 1.0 | 1.0 | 1.0 | 1.0 | 0.9 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Canada | 2.1 | 2.3 | 2.5 | 2.5 | 2.6 | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.5 | 1.6 | 1.6 | 1.4 | 1.3 |
| Denmark | 3.7 | 3.4 | 3.5 | 3.8 | 4.1 | 3.1 | 2.8 | 2.7 | 2.7 | 2.6 | 2.6 | 2.3 | 2.3 | 2.2 | 2.1 |
| Hong Kong | 2.9 | 2.5 | 2.4 | 2.6 | 2.5 | 2.4 | 2.1 | 1.9 | 1.8 | 1.6 | 2.0 | 1.7 | 1.5 | 1.5 | 1.3 |
| Japan | 14.1 | 13.0 | 11.9 | 11.7 | 11.3 | 12.0 | 10.7 | 9.2 | 8.2 | 7.1 | 9.7 | 8.8 | 7.6 | 6.7 | 5.8 |
| Korea, Republic of | 4.2 | 3.9 | 4.3 | 5.6 | 6.2 | 3.5 | 3.2 | 3.3 | 4.0 | 3.9 | 2.9 | 2.7 | 2.8 | 3.2 | 3.1 |
| Norway | 1.9 | 1.7 | 1.6 | 1.8 | 2.1 | 1.6 | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 | 1.0 | 1.1 | 1.1 |
| Singapore | 2.7 | 2.3 | 2.2 | 2.4 | 2.3 | 2.3 | 1.9 | 1.7 | 1.7 | 1.5 | 1.8 | 1.6 | 1.4 | 1.4 | 1.2 |
| Sweden | 6.7 | 6.3 | 6.0 | 7.0 | 7.4 | 5.7 | 5.2 | 4.6 | 4.9 | 4.7 | 4.7 | 4.3 | 3.8 | 4.0 | 3.7 |
| Switzerland | 9.6 | 8.7 | 8.9 | 9.2 | 10.1 | 8.2 | 7.2 | 6.9 | 6.4 | 6.4 | 6.6 | 5.9 | 5.7 | 5.2 | 5.2 |
| United Kingdom | 26.5 | 26.1 | 26.2 | 24.9 | 23.4 | 22.5 | 21.5 | 20.2 | 17.5 | 14.8 | 18.3 | 17.7 | 16.7 | 14.2 | 11.9 |
| United States | 24.4 | 28.6 | 29.2 | 27.1 | 26.5 | 20.7 | 23.6 | 22.6 | 19.1 | 16.8 | 16.9 | 19.4 | 18.6 | 15.5 | 13.5 |
| Additional countries in the EER-21 group | | | | | | | | | | | | | | | |
| Bulgaria | | | | | | 0.3 | 0.4 | 0.4 | 0.5 | 0.6 | 0.3 | 0.3 | 0.4 | 0.4 | 0.5 |
| China | | | | | | 5.5 | 6.4 | 9.2 | 14.1 | 18.6 | 4.4 | 5.3 | 7.5 | 11.4 | 15.0 |
| Croatia | | | | | | 0.7 | 0.5 | 0.6 | 0.7 | 0.6 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 |
| Czech Republic | | | | | | 2.7 | 2.9 | 3.6 | 4.1 | 5.0 | 2.2 | 2.4 | 3.0 | 3.4 | 4.0 |
| Hungary | | | | | | 1.9 | 2.6 | 3.0 | 3.1 | 3.2 | 1.5 | 2.1 | 2.5 | 2.6 | 2.6 |
| Latvia | | | | | | 0.1 | 0.1 | 0.2 | 0.2 | 0.2 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 |
| Lithuania | | | | | | 0.2 | 0.2 | 0.3 | 0.4 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.3 |
| Poland | | | | | | 2.9 | 3.4 | 4.0 | 4.8 | 6.1 | 2.4 | 2.8 | 3.3 | 3.9 | 4.9 |
| Romania | | | | | | 0.9 | 1.0 | 1.4 | 1.7 | 2.0 | 0.7 | 0.8 | 1.1 | 1.4 | 1.6 |
| Additional countries in the EER-40 group | | | | | | | | | | | | | | | |
| Algeria | | | | | | | | | | | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| Argentina | | | | | | | | | | | 0.6 | 0.5 | 0.3 | 0.3 | 0.3 |
| Brazil | | | | | | | | | | | 1.5 | 1.4 | 1.2 | 1.2 | 1.4 |
| Chile | | | | | | | | | | | 0.3 | 0.3 | 0.3 | 0.4 | 0.4 |
| China (Taiwan) | | | | | | | | | | | 2.3 | 2.4 | 2.1 | 1.8 | 1.4 |
| Iceland | | | | | | | | | | | 0.1 | 0.0 | 0.1 | 0.1 | 0.1 |
| India | | | | | | | | | | | 1.5 | 1.3 | 1.4 | 1.8 | 2.1 |
| Indonesia | | | | | | | | | | | 1.0 | 0.8 | 0.7 | 0.6 | 0.6 |
| Israel | | | | | | | | | | | 1.0 | 1.0 | 0.9 | 0.7 | 0.7 |
| Malaysia | | | | | | | | | | | 1.2 | 1.1 | 1.2 | 1.1 | 1.0 |
| Mexico | | | | | | | | | | | 0.9 | 1.2 | 1.3 | 1.2 | 1.2 |
| Morocco | | | | | | | | | | | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| New Zealand | | | | | | | | | | | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Philippines | | | | | | | | | | | 0.4 | 0.5 | 0.5 | 0.4 | 0.3 |
| Russian Federation | | | | | | | | | | | 2.4 | 1.8 | 2.2 | 2.9 | 3.4 |
| South Africa | | | | | | | | | | | 0.9 | 0.9 | 0.9 | 1.0 | 1.0 |
| Thailand | | | | | | | | | | | 1.2 | 1.0 | 1.0 | 1.0 | 1.1 |
| Turkey | | | | | | | | | | | 2.1 | 2.2 | 2.3 | 3.0 | 3.1 |
| Venezuela, Bolivarian Republic of | | | | | | | | | | | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |

^{o)} Figures have been rounded.

able 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 the euro 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 designation 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 statistics / Code lists.

Value of the special drawing right

The value of a special drawing right (SDR) (ISO code: XDR) is currently defined as the sum of the values of fixed amounts of four currencies.

The composition of the currency basket as well as the weights and amounts of the currency units in the basket are reviewed every five years. As a result of the latest review, conducted in 2010, since 1 January 2011, the SDR basket has contained the fixed currency amounts shown in column (a). These were fixed on 30 December 2010 on the basis of the average exchange rates in the London spot exchange market in the fourth quarter of 2010 and the initial new percentage weights (column b) such that, on 30 December 2010, the new SDR value corresponded with the value calculated on the basis of the old basket.

| | (a) | (b) |
|----------------|-------|------|
| US dollar | 0.660 | 41.9 |
| Euro | 0.423 | 37.4 |
| Japanese yen | 12.1 | 9.4 |
| Pound sterling | 0.111 | 11.3 |

The introduction of the euro as the single currency of initially 11 member states of the European Union necessitated an adjustment of the criteria used for selecting the currencies of the SDR valuation basket. The former criterion, according to which the currencies of the member states with the highest exports of goods and services were chosen, was extended to include exports by monetary unions incorporating IMF members. In a monetary union, exports of goods and services exclude cross-border trade between the members of the monetary union.

Moreover, a second selection criterion was introduced so as to ensure that the currencies included in the basket are actually the currencies used most commonly in international transactions. This includes the stipulation that the IMF must classify a currency included in the basket as being "freely usable". A currency is deemed to be freely usable if, in the estimation of the IMF Executive Board, it is widely used in payments for international transactions and is heavily traded in the major foreign exchange markets.

The respective weights of the various SDR basket currencies continue to depend on the value of exports of goods and services and the amount of reserves denominated in those currencies held by other member states of the IMF in the five years preceding the year of review.

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

The SDR is used by the IMF as the unit of account for its transactions and for all conversions into national currencies. In addition, the SDR is used by public and private organisations 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 2012 (see Table VI, pp 46-47) is based on the IMF’s *Annual Report on Exchange Arrangements and Exchange Restrictions 2012*, which can be purchased from the IMF (<http://www.imfbookstore.org>).

The IMF’s classification system is 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. A distinction is made between hard pegs (fixed exchange rate anchors) – such as exchange arrangements with no separate legal tender and a currency board arrangement (institutionalised, unilateral exchange rate peg) – and soft pegs (less stringent *de jure* and/or *de facto* exchange rate anchors). The latter comprise conventional pegged arrangements with a fixed exchange rate (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 with or without a fixed central rate. In the case of floating exchange rate arrangements, a distinction is made between floating rates (market-determined with more frequent modes of intervention) and free-floating rates (market-determined with intervention in exceptional cases only). All other exchange rate arrangements are grouped under “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, exchange rate 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 authorities 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 instead 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

Bangladesh

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

Benin

Benin, Burkina Faso, Côte d'Ivoire, Guinea-Bissau, Mali, Niger, Senegal and Togo all belong to the West African Monetary Union (Union 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

Along with the Central African Republic, Chad, Congo, Equatorial Guinea and Gabon, Cameroon is served by the "Banque des Etats de l'Afrique Centrale" (Bank of the Central African States), 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 Cuban peso (CUP), which is used by residents to purchase their basic needs, there is a convertible peso (CUC), which is used particularly by foreigners.

Foreign currencies can be freely exchanged in Cuba for convertible pesos (CUC), and they enable both residents and foreigners to purchase items which the government considers to be luxury articles.

In its national accounts, the Cuban government fixes the ratio of convertible peso (CUC) to Cuban peso (CUP) at 1:1. In reality, Cuban pesos can only be exchanged for convertible pesos at a considerable discount.

The euro is also an accepted means of payment in some tourist centres.

Cyprus

After the closure of Cypriot commercial banks in mid-March, the Cypriot parliament authorised the Central Bank of Cyprus and the finance minister to carry out far-reaching capital controls on 22 March 2013. Following the reopening of the banks on 28 March, these have been repeatedly renewed and amended.

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.

Guinea-Bissau

See Explanatory notes on Benin.

India

Units of account for larger amounts are as follows: 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

Since 3 July 2013, rather than issuing reference rates, the Central Bank of Iran has been publishing exchange rates that deviate sharply from the reference rates. The non-reference rates, which were made available for a short time from 1 October 2012 onwards, are now published as official rates as a result of the reference rates becoming less and less important in the wake of the autumn 2012 reforms.

Furthermore, the bureau de change rates still deviate significantly. According to the German Embassy in Teheran, the bureau de change rates stood at USD 1 = IRR 31,750 and EUR 1 = IRR 42,400 at the end of July 2013.

Kenya

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

Kiribati

The Australian dollar (convertible at par) is also legal tender alongside some of Kiribati's own coins.

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.

Macedonia

On 8 April 1993, Macedonia was admitted to the United Nations under the temporary designation "Former Yugoslav Republic of Macedonia"; this designation is in use within the European Union until further notice.

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.

Panama

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

Sao Tome and Principe

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

Senegal

See Explanatory notes on Benin.

Singapore

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

Somalia

No exchange rates have been available for the Somali shilling.

South Sudan

No exchange rates have been available for the South Sudanese pound.

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

Since 25 March 2013, registered importers of important goods, who have not been allocated foreign exchange on the official market, have had the opportunity to participate in foreign exchange auctions (SICAD – Sistema Complementario de Administración de Divisas). We do not have any information regarding the exchange rates. In July 2013, the group of participants eligible for the auction was extended.

Zimbabwe

On 2 February 2009, five currencies were named as “official means of payment”: US dollar, rand, euro, pound sterling and pula. They do not, however, have the status of legal tender, which remains the de facto abandoned Zimbabwe dollar.

On 27 April 2010, the US dollar was declared as the principal currency of this multiple currency system.