## 14 CROSS RATES OF THE PESO

in pesos per unit of foreign currency
end of period

| Period | U S Dollar | Japanese Yen | EURO | Pound Sterling | Canadian Dollar | Swiss Franc | Brunei Dollar | Australian Dollar | Hongkong Dollar | N T Dollar | S. Korean Won | Singapore Dollar | Malaysian Ringgit | Thai Baht | Indonesian Rupiah | Saudi Rial | Chinese Yuan | UAE Dirham | SDR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1998** | 39.0590 | 0.3368 | n.a. | 65.4434 | 25.1783 | 28.5477 | 23.5012 | 23.6894 | 5.0427 | 1.2126 | 0.0323 | 23.5721 | 10.2790 | 1.0643 | 0.0050 | 10.4143 | n.a. | 10.6353 | 54.7834 |
| **1999** | 40.3130 | 0.3938 | 40.60 | 65.1055 | 27.8021 | 25.2936 | 24.1468 | 26.0134 | 5.1865 | 1.2838 | 0.0353 | 24.2193 | 10.6090 | 1.0750 | 0.0057 | 10.7501 | n.a. | 10.9773 | 55.3236 |
| **2000** | 49.9980 | 0.4368 | 46.4931 | 74.7470 | 33.3276 | 30.5873 | 28.8007 | 27.6095 | 6.4112 | 1.5105 | 0.0399 | 28.8839 | 13.1591 | 1.1585 | 0.0052 | 13.3328 | n.a. | 13.6142 | 65.1144 |
| **2001** | 51.4040 | 0.3904 | 45.3949 | 74.7106 | 32.1858 | 30.6177 | 27.7335 | 26.0669 | 6.5926 | 1.4674 | 0.0390 | 27.7335 | 13.5274 | 1.1619 | 0.0049 | 13.7074 | n.a. | 13.9989 | 64.4848 |
| **2002** | 53.0960 | 0.4428 | 55.1136 | 85.0120 | 34.0840 | 37.8635 | 30.4572 | 29.8560 | 6.8085 | 1.5293 | 0.0442 | 30.5448 | 13.9745 | 1.2348 | 0.0060 | 14.1590 | n.a. | 14.4574 | 71.7008 |
| **2003** | 55.5690 | 0.5188 | 69.3779 | 98.5183 | 42.3996 | 44.4623 | 32.5574 | 41.2325 | 7.1588 | 1.6363 | 0.0464 | 32.6531 | 14.6254 | 1.4040 | 0.0066 | 14.8184 | n.a. | 15.1303 | 82.2588 |
| **2004** | 56.2670 | 0.5460 | 76.6019 | 108.4828 | 46.2190 | 49.6488 | 34.3050 | 43.7978 | 7.2387 | 1.7570 | 0.0540 | 34.4099 | 14.8091 | 1.4411 | 0.0060 | 15.0042 | n.a. | 15.3216 | 87.2639 |
| **2005** | 53.0670 | 0.4503 | 62.8207 | 91.0842 | 45.5471 | 40.3000 | 31.7557 | 38.7747 | 6.8453 | 1.6052 | 0.0524 | 31.8510 | 14.0415 | 1.2959 | 0.0054 | 14.1497 | n.a. | 14.4487 | 76.1363 |
| **2006** | 49.1320 | 0.4131 | 64.6037 | 96.4559 | 42.3442 | 40.2161 | 31.9184 | 38.7049 | 6.3218 | 1.5047 | 0.0529 | 32.0224 | 13.9145 | 1.3713 | 0.0055 | 13.1019 | 6.2876 | 13.3780 | 73.8533 |
| **2007** | 41.4010 | 0.3642 | 60.5572 | 82.6405 | 42.2158 | 36.3326 | 28.4641 | 36.3039 | 5.3078 | 1.2730 | 0.0441 | 28.5623 | 12.4253 | 1.3893 | 0.0044 | 11.0462 | 5.6578 | 11.2730 | 64.8865 |
| **2008** | 47.4850 | 0.5221 | 66.2463 | 70.0879 | 39.0566 | 43.6644 | 32.6178 | 32.2194 | 6.1273 | 1.4384 | 0.0357 | 32.7302 | 13.6923 | 1.3732 | 0.0044 | 12.6556 | 6.9336 | 12.9299 | 73.2822 |
| **2009** | 46.3560 | 0.5059 | 66.6646 | 74.1881 | 44.4747 | 44.8101 | 32.8812 | 41.1395 | 5.9772 | 1.4361 | 0.0397 | 32.9983 | 13.5247 | 1.3887 | 0.0049 | 12.3590 | 6.7871 | 12.6207 | 72.6508 |
| **2010** | 43.8850 | 0.5374 | 58.0335 | 68.0261 | 43.8718 | 46.3900 | 33.8149 | 44.6398 | 5.6394 | 1.4987 | 0.0384 | 33.9457 | 14.2115 | 1.4555 | 0.0049 | 11.7024 | 6.6280 | 11.9487 | 67.2304 |
| **2011** | 43.9280 | 0.5638 | 56.8428 | 67.8819 | 42.8942 | 46.6030 | 33.7156 | 44.3234 | 5.6513 | 1.4474 | 0.0380 | 33.8454 | 13.8837 | 1.3937 | 0.0048 | 11.7141 | 6.9493 | 11.9600 | 67.7960 |
| **2012** | 41.1920 | 0.4787 | 54.5300 | 66.3232 | 41.3948 | 45.1122 | 33.5658 | 42.6727 | 5.3144 | 1.4190 | 0.0384 | 33.7032 | 13.4658 | 1.3444 | 0.0043 | 10.9845 | 6.6055 | 11.2157 | 63.4966 |
| **2013** | 44.4140 | 0.4239 | 60.8161 | 72.8967 | 41.7229 | 49.5471 | 34.8618 | 39.4581 | 5.7271 | 1.4808 | 0.0419 | 34.9992 | 13.4751 | 1.3529 | 0.0036 | 11.8428 | 7.3114 | 12.0934 | 68.2621 |
| **2014** | 44.6170 | 0.3706 | 54.3390 | 69.4062 | 38.3967 | 45.1864 | 33.5693 | 36.2063 | 5.7489 | 1.4071 | 0.0406 | 33.6961 | 12.7879 | 1.3565 | 0.0036 | 11.8899 | 7.1813 | 12.1476 | 64.6527 |
| **2015** | 47.1660 | 0.3920 | 51.7411 | 70.1783 | 33.9324 | 47.7727 | 33.3990 | 34.2652 | 6.0857 | 1.4377 | 0.0404 | 33.5176 | 10.9816 | 1.3055 | 0.0034 | 12.5766 | 7.2697 | 12.8433 | 65.5768 |
| **2016** | 49.8130 | 0.4251 | 51.8404 | 60.8715 | 36.7515 | 48.4421 | 34.2357 | 35.7757 | 6.4212 | 1.5365 | 0.0411 | 34.3538 | 11.1190 | 1.3839 | 0.0037 | 13.2806 | 7.1612 | 13.5634 | 66.6274 |
| **2017** | 49.9230 | 0.4423 | 59.6131 | 67.1165 | 39.7160 | 50.9991 | 37.1838 | 38.9050 | 6.3882 | 1.6774 | 0.0467 | 37.3228 | 12.2812 | 1.5290 | 0.0037 | 13.3121 | 7.6413 | 13.5948 | 70.9256 |

*n.a. - not available*

*Source: Reference Exchange Rate Bulletin, Bangko Sentral ng Pilipinas (BSP)*

## 14.1 CROSS RATES OF THE PESO

in pesos per unit of foreign currency

period averages

| Period | US Dollar | Japanese Yen | EURO | Pound Sterling | Canadian Dollar | Swiss Franc | Brunei Dollar | Australian Dollar | Hongkong Dollar | N T Dollar | S. Korean Won | Singapore Dollar | Malaysian Ringgit | Thai Baht | Indonesian Rupiah | Saudi Rial | Chinese Yuan | UAE Dirham | SDR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1998** | 40.8931 | 0.3136 | n.a. | 67.7738 | 27.5829 | 28.2765 | 24.4066 | 25.6919 | 5.2790 | 1.2235 | 0.0294 | 24.4744 | 10.4582 | 0.9981 | 0.0042 | 10.9020 | n.a. | n.a. | 55.4620 |
| **1999** | 39.0890 | 0.3454 | 41.72 | 63.2712 | 26.3288 | 26.0685 | 23.0168 | 25.2128 | 5.0337 | 1.2146 | 0.0329 | 23.0852 | 10.2879 | 1.0340 | 0.0051 | 10.4229 | n.a. | 10.6034 | 53.4692 |
| **2000** | 44.1938 | 0.4101 | 40.7246 | 66.8438 | 29.7425 | 26.1717 | 25.5510 | 25.6075 | 5.6715 | 1.4175 | 0.0391 | 25.6243 | 11.6296 | 1.0997 | 0.0053 | 11.7838 | n.a. | 11.9871 | 58.2303 |
| **2001** | 50.9927 | 0.4204 | 45.6939 | 73.4748 | 32.9472 | 30.2608 | 28.4043 | 26.3777 | 6.5404 | 1.5123 | 0.0397 | 28.4775 | 13.4208 | 1.1472 | 0.0050 | 13.5995 | n.a. | 13.8857 | 64.9260 |
| **2002** | 51.6036 | 0.4129 | 48.8125 | 77.5915 | 32.8804 | 33.2722 | 28.7500 | 28.0522 | 6.6174 | 1.5101 | 0.0424 | 28.8364 | 13.6979 | 1.2006 | 0.0056 | 13.7621 | n.a. | 14.0510 | 67.9656 |
| **2003** | 54.2033 | 0.4684 | 61.3506 | 88.6387 | 39.3975 | 40.3415 | 31.0349 | 35.3419 | 6.9610 | 1.5800 | 0.0456 | 31.1237 | 14.2659 | 1.3070 | 0.0063 | 14.4542 | n.a. | 14.7585 | 75.9277 |
| **2004** | 56.0399 | 0.5184 | 69.6852 | 102.6979 | 43.1361 | 45.1489 | 33.0628 | 41.3911 | 7.1955 | 1.6820 | 0.0490 | 33.1644 | 14.7490 | 1.3932 | 0.0063 | 14.9438 | n.a. | 15.2579 | 82.9977 |
| **2005** | 55.0855 | 0.5015 | 68.6102 | 100.2975 | 45.4988 | 44.3124 | 33.0098 | 41.9921 | 7.0830 | 1.7161 | 0.0538 | 33.1090 | 14.5482 | 1.3697 | 0.0057 | 14.6892 | n.a. | 14.9992 | 81.3908 |
| **2006** | 51.3143 | 0.4414 | 64.4473 | 94.5112 | 45.2609 | 40.9739 | 32.2006 | 38.6356 | 6.6060 | 1.5794 | 0.0538 | 32.3020 | 13.9972 | 1.3542 | 0.0056 | 13.6836 | n.a. | 13.9722 | 75.5338 |
| **2007** | 46.1484 | 0.3919 | 63.1489 | 92.3479 | 43.0173 | 38.4496 | 30.5111 | 38.5971 | 5.9149 | 1.4047 | 0.0497 | 30.6124 | 13.4272 | 1.4331 | 0.0051 | 12.3179 | 6.0625 | 12.5679 | 70.5869 |
| **2008** | 44.4746 | 0.4320 | 65.1686 | 82.0696 | 41.7991 | 41.0514 | 31.3116 | 37.6375 | 5.7126 | 1.4105 | 0.0409 | 31.4224 | 13.3387 | 1.3403 | 0.0046 | 11.8607 | 6.4073 | 12.1101 | 70.1843 |
| **2009** | 47.6372 | 0.5099 | 66.3788 | 74.5944 | 41.8951 | 43.9625 | 32.6818 | 37.6693 | 6.1458 | 1.4427 | 0.0376 | 32.7944 | 13.5294 | 1.3888 | 0.0046 | 12.7028 | 6.9734 | 12.9717 | 73.4364 |
| **2010** | 45.1097 | 0.5144 | 59.8705 | 69.7563 | 43.7844 | 43.3050 | 32.9847 | 41.4212 | 5.8067 | 1.4314 | 0.0390 | 33.1059 | 14.0128 | 1.4232 | 0.0050 | 12.0295 | 6.6622 | 12.2830 | 68.8123 |
| **2011** | 43.3131 | 0.5436 | 60.2791 | 69.4551 | 43.8119 | 48.9662 | 34.3201 | 44.6817 | 5.5645 | 1.4746 | 0.0391 | 34.4567 | 14.1716 | 1.4219 | 0.0049 | 11.5500 | 6.6984 | 11.7930 | 68.3620 |
| **2012** | 42.2288 | 0.5299 | 54.3079 | 66.9249 | 42.2570 | 45.0619 | 33.6685 | 43.7274 | 5.4441 | 1.4282 | 0.0375 | 33.8041 | 13.6818 | 1.3595 | 0.0045 | 11.2607 | 6.6925 | 11.4975 | 64.6712 |
| **2013** | 42.4462 | 0.4356 | 56.3942 | 66.4139 | 41.2098 | 45.8201 | 33.7996 | 41.0195 | 5.4725 | 1.4305 | 0.0388 | 33.9347 | 13.4839 | 1.3832 | 0.0041 | 11.3184 | 6.9048 | 11.5567 | 64.5058 |
| **2014** | 44.3952 | 0.4208 | 59.0432 | 73.1731 | 40.2315 | 48.6018 | 34.9268 | 40.0974 | 5.7252 | 1.4659 | 0.0422 | 35.0648 | 13.5828 | 1.3672 | 0.0037 | 11.8363 | 7.2076 | 12.0872 | 67.4863 |
| **2015** | 45.5028 | 0.3760 | 50.5291 | 69.5888 | 35.6520 | 47.3197 | 33.0064 | 34.2412 | 5.8697 | 1.4340 | 0.0403 | 33.1266 | 11.7236 | 1.3308 | 0.0034 | 12.1317 | 7.2423 | 12.3892 | 63.6733 |
| **2016** | 47.4925 | 0.4375 | 52.5568 | 64.3793 | 35.8617 | 48.2201 | 34.2839 | 35.3147 | 6.1185 | 1.4741 | 0.0410 | 34.4082 | 11.4772 | 1.3461 | 0.0036 | 12.6651 | 7.1506 | 12.9315 | 66.0080 |
| **2017** | 50.4037 | 0.4495 | 56.9491 | 64.9706 | 38.8850 | 51.2195 | 36.3935 | 38.6418 | 6.4686 | 1.6574 | 0.0446 | 36.5254 | 11.7326 | 1.4866 | 0.0038 | 13.4412 | 7.4593 | 13.7244 | 69.8942 |

*n.a. - not available*

*Source: Reference Exchange Rate Bulletin, Bangko Sentral ng Pilipinas (BSP)*

## 14.2 CROSS RATES OF THE PESO

annual percent appreciation (+) / depreciation (-)

period averages

| Period | US Dollar | Japanese Yen | EURO | Pound Sterling | Canadian Dollar | Swiss Franc | Brunei Dollar | Australian Dollar | Hongkong Dollar | N T Dollar | S. Korean Won | Singapore Dollar | Malaysian Ringgit | Thai Baht | Indonesian Rupiah | Saudi Rial | Chinese Yuan | UAE Dirham | SDR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1998** | -27.93 | -22.38 | n.a. | -28.68 | -22.89 | -28.03 | -19.14 | -15.13 | -27.89 | -16.12 | 6.74 | -19.11 | 0.73 | -2.98 | 147.74 | -27.91 | n.a. | n.a. | -26.93 |
| **1999** | 4.62 | -9.21 | n.a. | 7.12 | 4.76 | 8.47 | 6.04 | 1.90 | 4.87 | 0.73 | -10.63 | 6.02 | 1.66 | -3.47 | -16.14 | 4.60 | n.a. | n.a. | 3.73 |
| **2000** | -11.55 | -15.78 | 2.45 | -5.34 | -11.48 | -0.39 | -9.92 | -1.54 | -11.25 | -14.31 | -15.77 | -9.91 | -11.54 | -5.97 | -4.37 | -11.55 | n.a. | -11.54 | -8.18 |
| **2001** | -13.33 | -2.44 | -10.88 | -9.02 | -9.73 | -13.51 | -10.05 | -2.92 | -13.28 | -6.27 | -1.44 | -10.02 | -13.35 | -4.14 | 5.45 | -13.35 | n.a. | -13.67 | -10.31 |
| **2002** | -1.18 | 1.82 | -6.39 | -5.31 | 0.20 | -9.05 | -1.20 | -5.97 | -1.16 | 0.15 | -6.49 | -1.24 | -2.02 | -4.45 | -9.85 | -1.18 | n.a. | -1.18 | -4.47 |
| **2003** | -4.80 | -11.86 | -20.44 | -12.46 | -16.54 | -17.52 | -7.36 | -20.63 | -4.94 | -4.43 | -6.87 | -7.35 | -3.98 | -8.14 | -12.09 | -4.79 | n.a. | -4.79 | -10.49 |
| **2004** | -3.28 | -9.65 | -11.96 | -13.69 | -8.67 | -10.65 | -6.13 | -14.61 | -3.26 | -6.06 | -6.96 | -6.15 | -3.28 | -6.19 | 0.62 | -3.28 | n.a. | -3.27 | -8.52 |
| **2005** | 1.73 | 3.38 | 1.57 | 2.39 | -5.19 | 1.89 | 0.16 | -1.43 | 1.59 | -1.99 | -8.96 | 0.17 | 1.38 | 1.72 | 10.54 | 1.73 | n.a. | 1.72 | 1.97 |
| **2006** | 7.35 | 13.62 | 6.46 | 6.12 | 0.53 | 8.15 | 2.51 | 8.69 | 7.22 | 8.66 | 0.04 | 2.50 | 3.94 | 1.14 | 1.61 | 7.35 | n.a. | 7.35 | 7.75 |
| **2007** | 11.19 | 12.64 | 2.06 | 2.34 | 5.22 | 6.57 | 5.54 | 0.10 | 11.68 | 12.43 | 8.22 | 5.52 | 4.24 | -5.51 | 10.81 | 11.09 | n.a. | 11.17 | 7.01 |
| **2008** | 3.76 | -9.28 | -3.10 | 12.52 | 2.91 | -6.34 | -2.56 | 2.55 | 3.54 | -0.41 | 21.41 | -2.58 | 0.66 | 6.92 | 9.21 | 3.86 | -5.38 | 3.78 | 0.57 |
| **2009** | -6.64 | -15.28 | -1.82 | 10.02 | -0.23 | -6.62 | -4.19 | -0.08 | -7.05 | -2.23 | 8.94 | -4.18 | -1.41 | -3.49 | 0.27 | -6.63 | -8.12 | -6.64 | -4.43 |
| **2010** | 5.60 | -0.88 | 10.87 | 6.94 | -4.32 | 1.52 | -0.92 | -9.06 | 5.84 | 0.79 | -3.79 | -0.94 | -3.45 | -2.42 | -7.11 | 5.60 | 4.67 | 5.61 | 6.72 |
| **2011** | 4.15 | -5.35 | -0.68 | 0.43 | -0.06 | -11.56 | -3.89 | -7.30 | 4.35 | -2.93 | -0.26 | -3.92 | -1.12 | 0.09 | 0.44 | 4.15 | -0.54 | 4.15 | 0.66 |
| **2012** | 2.57 | 2.58 | 11.00 | 3.78 | 3.68 | 8.66 | 1.94 | 2.18 | 2.21 | 3.25 | 4.42 | 1.93 | 3.58 | 4.59 | 9.42 | 2.57 | 0.09 | 2.57 | 5.71 |
| **2013** | -0.51 | 21.66 | -3.70 | 0.77 | 2.54 | -1.65 | -0.39 | 6.60 | -0.52 | -0.16 | -3.45 | -0.38 | 1.47 | -1.72 | 10.65 | -0.51 | -3.08 | -0.51 | 0.26 |
| **2014** | -4.39 | 3.51 | -4.49 | -9.24 | 2.43 | -5.72 | -3.23 | 2.30 | -4.41 | -2.41 | -8.01 | -3.22 | -0.73 | 1.17 | 9.10 | -4.38 | -4.20 | -4.39 | -4.42 |
| **2015** | -2.43 | 11.90 | 16.85 | 5.15 | 12.85 | 2.71 | 5.82 | 17.10 | -2.46 | 2.22 | 4.77 | 5.85 | 15.86 | 2.73 | 9.93 | -2.44 | -0.48 | -2.44 | 5.99 |
| **2016** | -4.19 | -14.05 | -3.86 | 8.09 | -0.58 | -1.87 | -3.73 | -3.04 | -4.07 | -2.72 | -1.73 | -3.72 | 2.15 | -1.13 | -4.56 | -4.21 | 1.28 | -4.19 | -3.54 |
| **2017** | -5.78 | -2.66 | -7.71 | -0.91 | -7.78 | -5.86 | -5.80 | -8.61 | -5.41 | -11.06 | -8.15 | -5.80 | -2.18 | -9.45 | -5.10 | -5.77 | -4.14 | -5.78 | -5.56 |

*n.a. - not available*

*Source: Reference Exchange Rate Bulletin, Bangko Sentral ng Pilipinas (BSP)*