## 15 US DOLLAR RATES OF SELECTED CURRENCIES

end of period

| Period | Philippine Peso | 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** | 0.025602 | 0.008624 | - | 1.675500 | 0.644621 | 0.730887 | 0.601685 | 0.606502 | 0.129104 | 0.031046 | 0.000828 | 0.603500 | 0.263165 | 0.027248 | 0.000127 | 0.266631 | - | 0.273300 | 1.402580 |
| **1999** | 0.024806 | 0.009768 | 1.007000 | 1.615000 | 0.689655 | 0.627431 | 0.598982 | 0.645286 | 0.128655 | 0.031847 | 0.000875 | 0.600781 | 0.263165 | 0.026667 | 0.000141 | 0.266667 | - | 0.272302 | 1.372350 |
| **2000** | 0.020001 | 0.008737 | 0.929900 | 1.495000 | 0.666578 | 0.611770 | 0.576037 | 0.552212 | 0.128230 | 0.030211 | 0.000799 | 0.577701 | 0.263193 | 0.023170 | 0.000104 | 0.266667 | - | 0.272295 | 1.302340 |
| **2001** | 0.019454 | 0.007595 | 0.883100 | 1.453400 | 0.626135 | 0.595628 | 0.539520 | 0.507099 | 0.128251 | 0.028547 | 0.000758 | 0.539520 | 0.263158 | 0.022604 | 0.000096 | 0.266660 | - | 0.272331 | 1.254470 |
| **2002** | 0.018834 | 0.008339 | 1.038000 | 1.601100 | 0.641931 | 0.713114 | 0.573625 | 0.562303 | 0.128230 | 0.028802 | 0.000833 | 0.575275 | 0.263193 | 0.023256 | 0.000113 | 0.266667 | - | 0.272287 | 1.350400 |
| **2003** | 0.017996 | 0.009336 | 1.248500 | 1.772900 | 0.763009 | 0.800128 | 0.585892 | 0.742005 | 0.128828 | 0.029446 | 0.000835 | 0.587613 | 0.263193 | 0.025265 | 0.000118 | 0.266667 | - | 0.272279 | 1.480300 |
| **2004** | 0.017772 | 0.009704 | 1.361400 | 1.928000 | 0.821423 | 0.882379 | 0.609682 | 0.778392 | 0.128649 | 0.031226 | 0.000960 | 0.611546 | 0.263193 | 0.025611 | 0.000107 | 0.266660 | - | 0.272301 | 1.550890 |
| **2005** | 0.018844 | 0.008485 | 1.183800 | 1.716400 | 0.858295 | 0.759417 | 0.598408 | 0.730674 | 0.128994 | 0.030248 | 0.000987 | 0.600204 | 0.264599 | 0.024420 | 0.000102 | 0.266638 | - | 0.272272 | 1.434720 |
| **2006** | 0.020353 | 0.008408 | 1.314900 | 1.963200 | 0.861846 | 0.818532 | 0.649646 | 0.787774 | 0.128669 | 0.030626 | 0.001076 | 0.651763 | 0.283206 | 0.027910 | 0.000111 | 0.266667 | 0.127974 | 0.272287 | 1.503160 |
| **2007** | 0.024154 | 0.008796 | 1.462700 | 1.996100 | 1.019680 | 0.877578 | 0.687521 | 0.876885 | 0.128205 | 0.030747 | 0.001064 | 0.689893 | 0.300120 | 0.033557 | 0.000106 | 0.266809 | 0.136659 | 0.272287 | 1.567270 |
| **2008** | 0.021059 | 0.010996 | 1.395100 | 1.476000 | 0.822504 | 0.919540 | 0.686908 | 0.678518 | 0.129037 | 0.030291 | 0.000751 | 0.689275 | 0.288351 | 0.028918 | 0.000092 | 0.266517 | 0.146017 | 0.272294 | 1.543270 |
| **2009** | 0.021572 | 0.010913 | 1.438100 | 1.600400 | 0.959417 | 0.966651 | 0.709320 | 0.887469 | 0.128942 | 0.030979 | 0.000856 | 0.711845 | 0.291758 | 0.029958 | 0.000106 | 0.266610 | 0.146413 | 0.272257 | 1.567440 |
| **2010** | 0.022787 | 0.012246 | 1.322400 | 1.550100 | 0.999700 | 1.057082 | 0.770535 | 1.017200 | 0.128505 | 0.034151 | 0.000875 | 0.773515 | 0.323834 | 0.033167 | 0.000111 | 0.266660 | 0.151030 | 0.272272 | 1.533190 |
| **2011** | 0.022765 | 0.012835 | 1.294000 | 1.545300 | 0.976467 | 1.060895 | 0.767519 | 1.009000 | 0.128649 | 0.032949 | 0.000864 | 0.770475 | 0.316056 | 0.031726 | 0.000110 | 0.266667 | 0.158198 | 0.272264 | 1.542570 |
| **2012** | 0.024277 | 0.011621 | 1.323800 | 1.610100 | 1.004924 | 1.095170 | 0.814863 | 1.035947 | 0.129016 | 0.034448 | 0.000933 | 0.818197 | 0.326904 | 0.032637 | 0.000104 | 0.266667 | 0.160359 | 0.272279 | 1.541480 |
| **2013** | 0.022515 | 0.009545 | 1.369300 | 1.641300 | 0.939408 | 1.115573 | 0.784929 | 0.888415 | 0.128949 | 0.033340 | 0.000944 | 0.788022 | 0.303398 | 0.030460 | 0.000082 | 0.266645 | 0.164620 | 0.272287 | 1.536950 |
| **2014** | 0.022413 | 0.008306 | 1.217900 | 1.555600 | 0.860585 | 1.012761 | 0.752389 | 0.811491 | 0.128849 | 0.031537 | 0.000910 | 0.755230 | 0.286615 | 0.030404 | 0.000080 | 0.266489 | 0.160955 | 0.272264 | 1.449060 |
| **2015** | 0.021202 | 0.008311 | 1.097000 | 1.487900 | 0.719424 | 1.012863 | 0.708115 | 0.726480 | 0.129027 | 0.030481 | 0.000856 | 0.710631 | 0.232829 | 0.027678 | 0.000073 | 0.266645 | 0.154131 | 0.272301 | 1.390340 |
| **2016** | 0.020075 | 0.008533 | 1.040700 | 1.222000 | 0.737790 | 0.972479 | 0.687285 | 0.718200 | 0.128906 | 0.030845 | 0.000825 | 0.689655 | 0.223214 | 0.027781 | 0.000074 | 0.266610 | 0.143761 | 0.272287 | 1.337550 |
| **2017** | 0.020031 | 0.008859 | 1.194100 | 1.344400 | 0.795545 | 1.021555 | 0.744823 | 0.779300 | 0.127961 | 0.033600 | 0.000935 | 0.747608 | 0.246002 | 0.030628 | 0.000074 | 0.266652 | 0.153062 | 0.272316 | 1.420700 |
| **2018** | 0.018967 | 0.009011 | 1.143900 | 1.265700 | 0.734646 | 1.012761 | 0.727008 | 0.703100 | 0.127730 | 0.032503 | 0.000893 | 0.729661 | 0.240038 | 0.030722 | 0.000069 | 0.266567 | 0.145613 | 0.272272 | 1.386650 |

- not available

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

## 15.1 US DOLLAR RATES OF SELECTED CURRENCIES

period averages

| Period | Philippine Peso | 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** | 0.024454 | 0.007678 | - | 1.657500 | 0.675261 | 0.691300 | 0.597533 | 0.628975 | 0.129100 | 0.029944 | 0.000721 | 0.599200 | 0.256100 | 0.024500 | 0.000108 | 0.266600 | - | 0.271417 | 1.356260 |
| **1999** | 0.025583 | 0.008824 | 1.067799 | 1.618452 | 0.673513 | 0.667097 | 0.588749 | 0.645089 | 0.128891 | 0.031086 | 0.000843 | 0.590499 | 0.263189 | 0.026470 | 0.000129 | 0.266642 | - | 0.272278 | 1.367640 |
| **2000** | 0.022628 | 0.009287 | 0.924699 | 1.516965 | 0.673901 | 0.593339 | 0.578586 | 0.582100 | 0.128341 | 0.032134 | 0.000886 | 0.580241 | 0.263147 | 0.024987 | 0.000120 | 0.266639 | - | 0.272278 | 1.319373 |
| **2001** | 0.019611 | 0.008246 | 0.896402 | 1.441070 | 0.646159 | 0.593483 | 0.557191 | 0.517328 | 0.128261 | 0.029693 | 0.000779 | 0.558622 | 0.263191 | 0.022506 | 0.000098 | 0.266695 | - | 0.272308 | 1.273467 |
| **2002** | 0.019379 | 0.007999 | 0.945271 | 1.502764 | 0.637224 | 0.644340 | 0.557038 | 0.543522 | 0.128236 | 0.029039 | 0.000807 | 0.558723 | 0.263183 | 0.023270 | 0.000108 | 0.266689 | - | 0.272288 | 1.294735 |
| **2003** | 0.018449 | 0.008638 | 1.131561 | 1.634885 | 0.715971 | 0.744203 | 0.572528 | 0.651555 | 0.128421 | 0.029146 | 0.000840 | 0.574166 | 0.263192 | 0.024103 | 0.000117 | 0.266666 | - | 0.272281 | 1.400548 |
| **2004** | 0.017844 | 0.009251 | 1.243462 | 1.832571 | 0.769682 | 0.805630 | 0.589978 | 0.738593 | 0.128402 | 0.030014 | 0.000874 | 0.591792 | 0.263190 | 0.024861 | 0.000112 | 0.266668 | - | 0.272272 | 1.481040 |
| **2005** | 0.018154 | 0.009103 | 1.245568 | 1.820851 | 0.825939 | 0.804474 | 0.599262 | 0.762284 | 0.128578 | 0.031154 | 0.000976 | 0.601064 | 0.264091 | 0.024863 | 0.000103 | 0.266654 | - | 0.272283 | 1.477569 |
| **2006** | 0.019488 | 0.008600 | 1.256293 | 1.842655 | 0.881974 | 0.798562 | 0.627663 | 0.753117 | 0.128733 | 0.030773 | 0.001048 | 0.629640 | 0.272813 | 0.026403 | 0.000109 | 0.266663 | - | 0.272286 | 1.472211 |
| **2007** | 0.021669 | 0.008500 | 1.370682 | 2.002526 | 0.934792 | 0.834251 | 0.661732 | 0.837957 | 0.128177 | 0.030447 | 0.001077 | 0.663930 | 0.291155 | 0.031101 | 0.000110 | 0.266936 | 0.131470 | 0.272339 | 1.530777 |
| **2008** | 0.022485 | 0.009695 | 1.470374 | 1.855338 | 0.943962 | 0.925253 | 0.705136 | 0.852242 | 0.128430 | 0.031756 | 0.000928 | 0.707634 | 0.300706 | 0.030215 | 0.000104 | 0.266686 | 0.143909 | 0.272294 | 1.580658 |
| **2009** | 0.020992 | 0.010708 | 1.393895 | 1.566189 | 0.879866 | 0.923187 | 0.686242 | 0.791381 | 0.129013 | 0.030290 | 0.000789 | 0.688608 | 0.284083 | 0.029159 | 0.000097 | 0.266656 | 0.146387 | 0.272301 | 1.541828 |
| **2010** | 0.022168 | 0.011413 | 1.327705 | 1.546907 | 0.970942 | 0.960951 | 0.731711 | 0.919307 | 0.128726 | 0.031747 | 0.000866 | 0.734400 | 0.310846 | 0.031577 | 0.000110 | 0.266672 | 0.147720 | 0.272291 | 1.525865 |
| **2011** | 0.023088 | 0.012551 | 1.392043 | 1.603748 | 1.011648 | 1.131208 | 0.792559 | 1.031877 | 0.128472 | 0.034049 | 0.000904 | 0.795714 | 0.327236 | 0.032833 | 0.000114 | 0.266663 | 0.154659 | 0.272274 | 1.578551 |
| **2012** | 0.023681 | 0.012546 | 1.286018 | 1.585088 | 1.000821 | 1.067064 | 0.797516 | 1.035595 | 0.128921 | 0.033826 | 0.000888 | 0.800710 | 0.324022 | 0.032198 | 0.000107 | 0.266660 | 0.158492 | 0.272267 | 1.531489 |
| **2013** | 0.023559 | 0.010270 | 1.328200 | 1.564075 | 0.971368 | 1.079186 | 0.796510 | 0.968126 | 0.128928 | 0.033705 | 0.000914 | 0.799695 | 0.317925 | 0.032621 | 0.000097 | 0.266653 | 0.162634 | 0.272268 | 1.519513 |
| **2014** | 0.022525 | 0.009481 | 1.330108 | 1.648552 | 0.906367 | 1.094889 | 0.786830 | 0.903479 | 0.128960 | 0.033022 | 0.000951 | 0.789939 | 0.306018 | 0.030799 | 0.000084 | 0.266612 | 0.162341 | 0.272264 | 1.520283 |
| **2015** | 0.021977 | 0.008265 | 1.110605 | 1.529313 | 0.784142 | 1.040410 | 0.725704 | 0.753212 | 0.128995 | 0.031530 | 0.000886 | 0.728348 | 0.258095 | 0.029275 | 0.000075 | 0.266613 | 0.159206 | 0.272274 | 1.399404 |
| **2016** | 0.021056 | 0.009215 | 1.107112 | 1.356921 | 0.755322 | 1.015642 | 0.722169 | 0.743663 | 0.128831 | 0.031037 | 0.000863 | 0.724787 | 0.241843 | 0.028347 | 0.000075 | 0.266677 | 0.150622 | 0.272286 | 1.390251 |
| **2017** | 0.019840 | 0.008918 | 1.129426 | 1.288756 | 0.771255 | 1.016099 | 0.721927 | 0.766506 | 0.128339 | 0.032881 | 0.000885 | 0.724543 | 0.232734 | 0.029487 | 0.000075 | 0.266671 | 0.147966 | 0.272290 | 1.386472 |
| **2018** | 0.018989 | 0.009057 | 1.181482 | 1.335866 | 0.772340 | 1.023134 | 0.738933 | 0.748254 | 0.127604 | 0.033206 | 0.000910 | 0.741674 | 0.248161 | 0.030965 | 0.000070 | 0.266636 | 0.151444 | 0.272282 | 1.416095 |

- not available

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

## 15.2 US DOLLAR RATES OF SELECTED CURRENCIES

annual percent appreciation (+) / depreciation (-)

period averages

| Period | Philippine Peso | 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 | -6.94 | - | 1.38 | -6.57 | 0.13 | -11.32 | -15.51 | -0.08 | -14.53 | -33.24 | -11.35 | -29.57 | -27.08 | -70.49 | -0.04 | - | -0.34 | -1.48 |
| **1999** | 4.62 | 14.92 | - | -2.36 | -0.26 | -3.50 | -1.47 | 2.56 | -0.16 | 3.81 | 16.87 | -1.45 | 2.77 | 8.04 | 19.48 | 0.02 | - | 0.32 | 0.84 |
| **2000** | -11.55 | 5.25 | -13.40 | -6.27 | 0.06 | -11.06 | -1.73 | -9.76 | -0.43 | 3.37 | 5.12 | -1.74 | -0.02 | -5.60 | -6.81 | 0.00 | - | 0.00 | -3.53 |
| **2001** | -13.33 | -11.21 | -3.06 | -5.00 | -4.12 | 0.02 | -3.70 | -11.13 | -0.06 | -7.60 | -12.06 | -3.73 | 0.02 | -9.93 | -18.16 | 0.02 | - | 0.01 | -3.48 |
| **2002** | -1.18 | -3.00 | 5.45 | 4.28 | -1.38 | 8.57 | -0.03 | 5.06 | -0.02 | -2.20 | 3.56 | 0.02 | 0.00 | 3.39 | 9.50 | 0.00 | - | -0.01 | 1.67 |
| **2003** | -4.80 | 7.99 | 19.71 | 8.79 | 12.36 | 15.50 | 2.78 | 19.88 | 0.14 | 0.37 | 4.18 | 2.76 | 0.00 | 3.58 | 8.41 | -0.01 | - | 0.00 | 8.17 |
| **2004** | -3.28 | 7.10 | 9.89 | 12.09 | 7.50 | 8.25 | 3.05 | 13.36 | -0.01 | 2.98 | 3.97 | 3.07 | 0.00 | 3.14 | -4.00 | 0.00 | - | 0.00 | 5.75 |
| **2005** | 1.73 | -1.60 | 0.17 | -0.64 | 7.31 | -0.14 | 1.57 | 3.21 | 0.14 | 3.80 | 11.76 | 1.57 | 0.34 | 0.01 | -7.91 | -0.01 | - | 0.00 | -0.23 |
| **2006** | 7.35 | -5.53 | 0.86 | 1.20 | 6.78 | -0.73 | 4.74 | -1.20 | 0.12 | -1.22 | 7.31 | 4.75 | 3.30 | 6.19 | 5.74 | 0.00 | - | 0.00 | -0.36 |
| **2007** | 11.19 | -1.16 | 9.11 | 8.68 | 5.99 | 4.47 | 5.43 | 11.27 | -0.43 | -1.06 | 2.77 | 5.45 | 6.72 | 17.79 | 0.28 | 0.10 | - | 0.02 | 3.98 |
| **2008** | 3.76 | 14.05 | 7.27 | -7.35 | 0.98 | 10.91 | 6.56 | 1.70 | 0.20 | 4.30 | -13.86 | 6.58 | 3.28 | -2.85 | -4.68 | -0.09 | 9.46 | -0.02 | 3.26 |
| **2009** | -6.64 | 10.46 | -5.20 | -15.58 | -6.79 | -0.22 | -2.68 | -7.14 | 0.45 | -4.62 | -14.95 | -2.69 | -5.53 | -3.49 | -7.08 | -0.01 | 1.72 | 0.00 | -2.46 |
| **2010** | 5.60 | 6.59 | -4.75 | -1.23 | 10.35 | 4.09 | 6.63 | 16.16 | -0.22 | 4.81 | 9.76 | 6.65 | 9.42 | 8.29 | 13.59 | 0.01 | 0.91 | 0.00 | -1.04 |
| **2011** | 4.15 | 9.97 | 4.85 | 3.67 | 4.19 | 17.72 | 8.32 | 12.25 | -0.20 | 7.25 | 4.38 | 8.35 | 5.27 | 3.98 | 3.65 | 0.00 | 4.70 | -0.01 | 3.45 |
| **2012** | 2.57 | -0.04 | -7.62 | -1.16 | -1.07 | -5.67 | 0.63 | 0.36 | 0.35 | -0.65 | -1.76 | 0.63 | -0.98 | -1.94 | -6.33 | 0.00 | 2.48 | 0.00 | -2.98 |
| **2013** | -0.51 | -18.14 | 3.28 | -1.33 | -2.94 | 1.14 | -0.13 | -6.51 | 0.01 | -0.36 | 2.99 | -0.13 | -1.88 | 1.31 | -9.76 | 0.00 | 2.61 | 0.00 | -0.78 |
| **2014** | -4.39 | -7.69 | 0.14 | 5.40 | -6.69 | 1.46 | -1.22 | -6.68 | 0.02 | -2.03 | 3.97 | -1.22 | -3.74 | -5.58 | -12.55 | -0.02 | -0.18 | 0.00 | 0.05 |
| **2015** | -2.43 | -12.82 | -16.50 | -7.23 | -13.49 | -4.98 | -7.77 | -16.63 | 0.03 | -4.52 | -6.84 | -7.80 | -15.66 | -4.95 | -11.31 | 0.00 | -1.93 | 0.00 | -7.95 |
| **2016** | -4.19 | 11.49 | -0.31 | -11.27 | -3.68 | -2.38 | -0.49 | -1.27 | -0.13 | -1.57 | -2.55 | -0.49 | -6.30 | -3.17 | 0.41 | 0.02 | -5.39 | 0.00 | -0.65 |
| **2017** | -5.78 | -3.23 | 2.02 | -5.02 | 2.11 | 0.04 | -0.03 | 3.07 | -0.38 | 5.94 | 2.56 | -0.03 | -3.77 | 4.02 | -0.57 | 0.00 | -1.76 | 0.00 | -0.27 |
| **2018** | -4.29 | 1.56 | 4.61 | 3.66 | 0.14 | 0.69 | 2.36 | -2.38 | -0.57 | 0.99 | 2.78 | 2.36 | 6.63 | 5.01 | -5.68 | -0.01 | 2.35 | 0.00 | 2.14 |

- not available

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