13 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	S.D.R.
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
2018	**Ave**	**52.6614**	**0.4769**	**62.1943**	**70.3179**	**40.6612**	**53.8692**	**38.9028**	**39.3810**	**6.7197**	**1.7481**	**0.0479**	**39.0471**	**13.0642**	**1.6302**	**0.0037**	**14.0414**	**7.9713**	**14.3387**	**74.5567**
	January	50.5087	0.4554	61.6042	69.7775	40.6329	52.5408	38.0825	40.1687	6.4597	1.7169	0.0474	38.2266	12.7761	1.5826	0.0038	13.4684	7.8520	13.7533	72.5987
	February	51.7856	0.4793	63.9431	72.3817	41.2191	55.4033	39.1006	40.7824	6.6208	1.7712	0.0480	39.2487	13.2477	1.6455	0.0038	13.8093	8.1960	14.1008	75.1915
	March	52.0676	0.4911	64.2312	72.6846	40.2891	55.0105	39.4318	40.4661	6.6418	1.7828	0.0486	39.5816	13.3246	1.6651	0.0038	13.8843	8.2337	14.1775	75.6103
	April	52.0986	0.4847	64.0093	73.3727	40.9351	53.8784	39.4689	40.0608	6.6385	1.7759	0.0488	39.6189	13.4156	1.6652	0.0038	13.8928	8.2785	14.1857	75.6169
	May	52.1948	0.4755	61.6634	70.2903	40.5726	52.3312	38.8255	39.2764	6.6502	1.7483	0.0485	38.9705	13.1832	1.6337	0.0037	13.9179	8.1916	14.2113	74.3245
	June	53.0476	0.4823	61.9226	70.4818	40.4078	53.6080	39.2073	39.7350	6.7604	1.7641	0.0485	39.3527	13.2767	1.6349	0.0038	14.1454	8.2111	14.4437	74.9948
	July	53.4329	0.4797	62.4512	70.4068	40.6812	53.7366	39.0636	39.5527	6.8090	1.7501	0.0477	39.2070	13.2045	1.6061	0.0037	14.2479	7.9649	14.5484	75.0915
	August	53.2735	0.4796	61.5363	68.6848	40.8721	53.8854	38.7918	39.0671	6.7871	1.7358	0.0476	38.9335	13.0300	1.6119	0.0037	14.2051	7.7797	14.5050	74.3560
	September	53.9419	0.4821	62.9028	70.4221	41.3693	55.7503	39.2027	38.8373	6.8817	1.7557	0.0482	39.3457	13.0397	1.6541	0.0036	14.3829	7.8719	14.6873	75.5528
	October	54.0086	0.4787	62.0820	70.3199	41.5496	54.4068	39.0299	38.3872	6.8920	1.7495	0.0477	39.1714	12.9991	1.6494	0.0036	14.3990	7.8040	14.7057	75.1514
	November	52.8083	0.4659	60.0061	68.1667	40.0078	52.7637	38.2709	38.2395	6.7454	1.7143	0.0469	38.4100	12.6230	1.6022	0.0036	14.0774	7.6111	14.3782	73.1231
	December	52.7691	0.4680	59.9800	66.8260	39.3983	53.1150	38.3586	37.9983	6.7503	1.7128	0.0470	38.4985	12.6503	1.6123	0.0036	14.0668	7.6609	14.3680	73.0682
2019	**Ave**	**52.0056**	**0.4771**	**58.3460**	**66.1853**	**39.1580**	**52.2860**	**37.9661**	**36.2536**	**6.6344**	**1.6780**	**0.0448**	**38.1052**	**12.5694**	**1.6666**	**0.0037**	**13.8670**	**7.5570**	**14.1598**	**71.9042**
	January	52.4679	0.4815	59.9146	67.6504	39.4093	53.0647	38.5383	37.4912	6.6918	1.7036	0.0468	38.6803	12.7458	1.6468	0.0037	13.9891	7.7200	14.2856	73.1161
	February	52.1901	0.4731	59.2381	67.8673	39.5021	52.1082	38.4185	37.2839	6.6504	1.6952	0.0466	38.5605	12.8028	1.6686	0.0037	13.9170	7.7551	14.2101	72.6288
	March	52.4134	0.4716	59.2729	69.1201	39.2427	52.4057	38.5751	37.1236	6.6776	1.6992	0.0464	38.7175	12.8583	1.6532	0.0037	13.9770	7.8076	14.2709	72.9622
	April	52.1122	0.4669	58.5161	67.9253	38.9462	51.7732	38.2931	37.0335	6.6432	1.6897	0.0457	38.4343	12.6895	1.6375	0.0037	13.8964	7.7573	14.1889	72.2899
	May	52.2620	0.4750	58.4439	67.1325	38.8316	51.7027	37.9760	36.2680	6.6592	1.6739	0.0442	38.1145	12.5403	1.6429	0.0036	13.9369	7.6250	14.2296	72.2036
	June	51.8029	0.4794	58.4650	65.6357	38.9620	52.3953	37.8774	35.9451	6.6190	1.6577	0.0442	38.0164	12.4474	1.6622	0.0036	13.8137	7.5068	14.1046	71.7365
	July	51.1429	0.4726	57.4162	63.8713	39.0561	51.8040	37.4619	35.7269	6.5470	1.6468	0.0435	37.5996	12.4053	1.6610	0.0036	13.6374	7.4359	13.9247	70.6856
	August	52.0547	0.4892	57.9103	63.2622	39.2439	53.1330	37.4731	35.2430	6.6386	1.6597	0.0431	37.6084	12.4467	1.6927	0.0037	13.8791	7.3846	14.1730	71.4879
	September	52.1052	0.4853	57.3875	64.3459	39.3482	52.6293	37.6217	35.4566	6.6499	1.6760	0.0436	37.7580	12.4545	1.7051	0.0037	13.8918	7.3183	14.1869	71.3092
	October	51.5042	0.4763	56.8950	65.0427	39.0380	51.8435	37.4260	34.9636	6.5677	1.6779	0.0435	37.5625	12.3028	1.6960	0.0036	13.7321	7.2591	14.0233	70.6225

Source: Reference Exchange Rate Bulletin, Bangko Sentral ng Pilipinas

13.1 CROSS RATES OF THE PESO

year-on-year % appreciation (+) / depreciation (-) of the peso vs. selected currencies
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	S.D.R.
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
2018	**-4.29**	**-5.74**	**-8.43**	**-7.60**	**-4.37**	**-4.92**	**-6.45**	**-1.88**	**-3.74**	**-5.19**	**-6.85**	**-6.46**	**-10.19**	**-8.81**	**1.44**	**-4.27**	**-6.42**	**-4.28**	**-6.25**
January	-1.53	-4.98	-14.24	-12.09	-7.38	-6.13	-8.91	-7.74	-0.73	-8.60	-11.14	-8.94	-12.66	-11.40	-1.77	-1.51	-8.15	-1.53	-7.45
February	-3.52	-7.72	-16.75	-13.71	-7.43	-9.86	-9.96	-6.14	-2.75	-8.59	-8.83	-9.99	-15.07	-13.28	-2.11	-3.51	-11.31	-3.52	-9.93
March	-3.44	-9.32	-16.34	-14.62	-6.72	-8.78	-9.55	-5.28	-2.52	-7.95	-8.64	-9.57	-14.94	-13.45	0.00	-3.43	-11.46	-3.44	-9.92
April	-4.29	-6.60	-16.52	-14.21	-9.21	-7.52	-9.97	-6.08	-3.37	-7.61	-9.80	-9.99	-15.71	-13.00	-1.57	-4.29	-12.58	-4.29	-10.30
May	-4.47	-6.59	-10.65	-8.32	-9.63	-3.45	-8.26	-5.64	-3.71	-5.32	-8.63	-8.27	-12.37	-11.47	-0.39	-4.47	-11.66	-4.47	-7.78
June	-6.03	-6.79	-9.55	-9.37	-7.31	-3.92	-8.42	-5.34	-5.43	-6.57	-9.00	-8.43	-12.18	-10.32	-1.57	-6.02	-10.85	-6.02	-8.04
July	-5.23	-6.12	-6.63	-6.56	-2.12	-1.79	-5.83	-0.32	-4.76	-4.84	-6.24	-5.83	-10.58	-6.61	2.70	-5.22	-6.16	-5.23	-5.97
August	-4.50	-3.47	-2.32	-3.87	-1.30	-2.25	-3.96	3.06	-4.15	-3.08	-5.34	-3.96	-8.83	-5.10	4.03	-4.50	-2.04	-4.50	-3.46
September	-5.44	-4.47	-3.44	-3.52	0.31	-4.91	-3.96	4.65	-5.14	-3.53	-6.52	-3.96	-7.13	-6.94	5.99	-5.43	-1.33	-5.44	-4.11
October	-4.93	-5.03	-2.71	-3.59	-1.69	-3.73	-3.60	4.26	-4.57	-3.05	-5.21	-3.60	-6.56	-6.36	6.20	-4.92	-0.77	-4.93	-3.67
November	-3.35	-2.92	-0.21	-1.11	0.05	-2.48	-2.01	1.81	-3.05	-1.04	-1.27	-2.00	-3.14	-3.27	4.85	-3.32	1.26	-3.35	-1.74
December	-4.50	-4.62	-0.62	1.11	0.08	-3.90	-2.80	1.18	-4.43	-1.83	-1.23	-2.79	-2.31	-4.22	1.74	-4.47	-0.34	-4.49	-2.43
2019	**1.21**	**0.37**	**7.35**	**7.10**	**4.33**	**3.38**	**2.78**	**9.32**	**1.20**	**4.59**	**7.48**	**2.78**	**4.62**	**-1.91**	**1.41**	**1.21**	**6.37**	**1.22**	**4.10**
January	-3.73	-5.40	2.82	3.14	3.10	-0.99	-1.18	7.14	-3.47	0.78	1.20	-1.17	0.24	-3.90	2.05	-3.72	1.71	-3.73	-0.71
February	-0.77	1.31	7.94	6.65	4.35	6.32	1.78	9.38	-0.44	4.48	3.15	1.78	3.48	-1.38	2.07	-0.77	5.69	-0.77	3.53
March	-0.66	4.14	8.37	5.16	2.67	4.97	2.22	9.00	-0.54	4.92	4.77	2.23	3.63	0.72	2.57	-0.66	5.46	-0.65	3.63
April	-0.03	3.80	9.39	8.02	5.11	4.07	3.07	8.17	-0.07	5.10	6.87	3.08	5.72	1.69	2.72	-0.03	6.72	-0.02	4.60
May	-0.13	0.09	5.51	4.70	4.48	1.22	2.24	8.29	-0.14	4.44	9.73	2.25	5.13	-0.56	2.76	-0.14	7.43	-0.13	2.94
June	2.40	0.62	5.91	7.38	3.71	2.31	3.51	10.54	2.14	6.42	9.78	3.52	6.66	-1.64	4.60	2.40	9.38	2.40	4.54
July	4.48	1.51	8.77	10.23	4.16	3.73	4.28	10.71	4.00	6.28	9.50	4.27	6.44	-3.30	1.79	4.48	7.11	4.48	6.23
August	2.34	-1.97	6.26	8.57	4.15	1.42	3.52	10.85	2.24	4.58	10.44	3.52	4.69	-4.77	-0.05	2.35	5.35	2.34	4.01
September	3.53	-0.66	9.61	9.44	5.14	5.93	4.20	9.53	3.49	4.76	10.51	4.20	4.70	-2.99	-2.44	3.54	7.56	3.53	5.95
October	4.86	0.51	9.12	8.11	6.43	4.94	4.29	9.79	4.94	4.26	9.75	4.28	5.66	-2.74	-1.91	4.86	7.51	4.87	6.41

Source: Reference Exchange Rate Bulletin, Bangko Sentral ng Pilipinas