



Republic of the Philippines
Department of Finance
INSURANCE COMMISSION
1071 United Nations Avenue
Manila

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| Circular Letter (CL) No.: | 2022-01 |
| Date: | 12 January 2022 |
| Supplements: | CL Nos. 2020-22, 2018-75; 2018-18 & 2016-66 |

CIRCULAR LETTER

TO : ALL LIFE AND NON-LIFE INSURANCE COMPANIES AND HEALTH MAINTENANCE ORGANIZATIONS DOING BUSINESS IN THE PHILIPPINES

SUBJECT : DISCOUNT RATES FOR LIFE AND NON-LIFE INSURANCE POLICY RESERVES AND RESERVES FOR LONG-TERM CONTRACTS OF HEALTH MAINTENANCE ORGANIZATIONS (HMO) AS OF 31 DECEMBER 2021

WHEREAS, Circular Letter (CL) Nos. 2016-66, 2018-18 and 2020-22 prescribe the valuation standards for life insurance policy reserves, non-life insurance policy reserves and HMO agreement liabilities, respectively;

WHEREAS, Item IV(1f) of Circular Letter (CL) No. 2016-66, Item 10 of CL No. 2018-18 and Section 5.5 of the Addendum to Valuation Standards for Health Maintenance Organization Agreement Liabilities of CL No. 2020-22 states that this Commission shall prescribe the risk-free discount rates to be used in the calculation of life and non-life insurance policy reserves and reserves for long-term contracts of HMOs;

WHEREAS, pursuant to CL No. 2018-75, the yield curve used as basis for the risk-free discount rate shall be obtained from PHP BVAL Reference rates from Bloomberg for Philippine Peso Policies and the International Yield Curve (IYC) from Bloomberg for US Dollar Denominated Policies;

NOW THEREFORE, in view of all the foregoing and in accordance with the undersigned's power under Section 437 of the Insurance Code, as amended, and Section 4(a) of Executive Order No. 192, s. 2015, the undersigned hereby issues the schedules of **Peso and Dollar Spot and Forward rates as of 31 December 2021**, respectively, (Annexes A and B) which shall be used in discounting cash flows in the calculation of life and non-life insurance policy reserves and reserves for long-term contracts of HMOs as of 31 December 2021.

The Peso and Dollar spot and forward rates to be used for discounting cash flows with duration of more than 20 years were determined using the 1-year moving-average of the 20-year government bond yield rate.

Please be guided accordingly.


DENNIS B. FUNA
Insurance Commissioner



Annex A

| Peso Spot and Forward Rates as of 31 December 2021 | | | | | |
|--|-----------|--------------|-----------------------|-----------|--------------|
| Tenor/Term (in years) | Spot Rate | Forward Rate | Tenor/Term (in years) | Spot Rate | Forward Rate |
| 1 | 2.0282% | 2.0282% | 51 | 4.9328% | 4.9316% |
| 2 | 2.7050% | 3.3863% | 52 | 4.9327% | 4.9316% |
| 3 | 3.3043% | 4.5135% | 53 | 4.9327% | 4.9316% |
| 4 | 3.8596% | 5.5433% | 54 | 4.9327% | 4.9316% |
| 5 | 4.3303% | 6.2346% | 55 | 4.9327% | 4.9316% |
| 6 | 4.6439% | 6.2259% | 56 | 4.9326% | 4.9316% |
| 7 | 4.8124% | 5.8295% | 57 | 4.9326% | 4.9316% |
| 8 | 4.9163% | 5.6461% | 58 | 4.9326% | 4.9316% |
| 9 | 4.9863% | 5.5484% | 59 | 4.9326% | 4.9316% |
| 10 | 5.0111% | 5.2342% | 60 | 4.9326% | 4.9316% |
| 11 | 5.0379% | 5.3065% | 61 | 4.9326% | 4.9316% |
| 12 | 5.0670% | 5.3879% | 62 | 4.9325% | 4.9316% |
| 13 | 5.0994% | 5.4883% | 63 | 4.9325% | 4.9316% |
| 14 | 5.1336% | 5.5791% | 64 | 4.9325% | 4.9316% |
| 15 | 5.1695% | 5.6740% | 65 | 4.9325% | 4.9316% |
| 16 | 5.1999% | 5.6575% | 66 | 4.9325% | 4.9316% |
| 17 | 5.2319% | 5.7445% | 67 | 4.9325% | 4.9316% |
| 18 | 5.2654% | 5.8357% | 68 | 4.9325% | 4.9316% |
| 19 | 5.3003% | 5.9316% | 69 | 4.9325% | 4.9316% |
| 20 | 5.3368% | 6.0324% | 70 | 4.9324% | 4.9316% |
| 21 | 4.9344% | -2.7984% | 71 | 4.9324% | 4.9316% |
| 22 | 4.9343% | 4.9316% | 72 | 4.9324% | 4.9316% |
| 23 | 4.9342% | 4.9316% | 73 | 4.9324% | 4.9316% |
| 24 | 4.9341% | 4.9316% | 74 | 4.9324% | 4.9316% |
| 25 | 4.9340% | 4.9316% | 75 | 4.9324% | 4.9316% |
| 26 | 4.9339% | 4.9316% | 76 | 4.9324% | 4.9316% |
| 27 | 4.9338% | 4.9316% | 77 | 4.9324% | 4.9316% |
| 28 | 4.9337% | 4.9316% | 78 | 4.9324% | 4.9316% |
| 29 | 4.9336% | 4.9316% | 79 | 4.9323% | 4.9316% |
| 30 | 4.9336% | 4.9316% | 80 | 4.9323% | 4.9316% |
| 31 | 4.9335% | 4.9316% | 81 | 4.9323% | 4.9316% |
| 32 | 4.9334% | 4.9316% | 82 | 4.9323% | 4.9316% |
| 33 | 4.9334% | 4.9316% | 83 | 4.9323% | 4.9316% |
| 34 | 4.9333% | 4.9316% | 84 | 4.9323% | 4.9316% |
| 35 | 4.9333% | 4.9316% | 85 | 4.9323% | 4.9316% |
| 36 | 4.9332% | 4.9316% | 86 | 4.9323% | 4.9316% |
| 37 | 4.9332% | 4.9316% | 87 | 4.9323% | 4.9316% |
| 38 | 4.9331% | 4.9316% | 88 | 4.9323% | 4.9316% |
| 39 | 4.9331% | 4.9316% | 89 | 4.9323% | 4.9316% |
| 40 | 4.9331% | 4.9316% | 90 | 4.9323% | 4.9316% |
| 41 | 4.9330% | 4.9316% | 91 | 4.9322% | 4.9316% |
| 42 | 4.9330% | 4.9316% | 92 | 4.9322% | 4.9316% |
| 43 | 4.9330% | 4.9316% | 93 | 4.9322% | 4.9316% |
| 44 | 4.9329% | 4.9316% | 94 | 4.9322% | 4.9316% |
| 45 | 4.9329% | 4.9316% | 95 | 4.9322% | 4.9316% |
| 46 | 4.9329% | 4.9316% | 96 | 4.9322% | 4.9316% |
| 47 | 4.9329% | 4.9316% | 97 | 4.9322% | 4.9316% |
| 48 | 4.9328% | 4.9316% | 98 | 4.9322% | 4.9316% |
| 49 | 4.9328% | 4.9316% | 99 | 4.9322% | 4.9316% |
| 50 | 4.9328% | 4.9316% | 100 | 4.9322% | 4.9316% |

Annex B

| Dollar Spot and Forward Rates as of 31 December 2021 | | | | | |
|---|------------------|---------------------|------------------------------|------------------|---------------------|
| Tenor/Term (in years) | Spot Rate | Forward Rate | Tenor/Term (in years) | Spot Rate | Forward Rate |
| 1 | 0.7434% | 0.7434% | 51 | 3.3083% | 3.2206% |
| 2 | 1.0716% | 1.4009% | 52 | 3.3066% | 3.2206% |
| 3 | 1.2913% | 1.7323% | 53 | 3.3050% | 3.2206% |
| 4 | 1.4647% | 1.9864% | 54 | 3.3034% | 3.2206% |
| 5 | 1.6283% | 2.2857% | 55 | 3.3019% | 3.2206% |
| 6 | 1.7866% | 2.5815% | 56 | 3.3005% | 3.2206% |
| 7 | 1.9470% | 2.9151% | 57 | 3.2991% | 3.2206% |
| 8 | 2.1045% | 3.2134% | 58 | 3.2977% | 3.2206% |
| 9 | 2.2601% | 3.5141% | 59 | 3.2964% | 3.2206% |
| 10 | 2.4269% | 3.9404% | 60 | 3.2951% | 3.2206% |
| 11 | 2.5767% | 4.0860% | 61 | 3.2939% | 3.2206% |
| 12 | 2.7298% | 4.4299% | 62 | 3.2927% | 3.2206% |
| 13 | 2.8869% | 4.7905% | 63 | 3.2916% | 3.2206% |
| 14 | 3.0484% | 5.1706% | 64 | 3.2905% | 3.2206% |
| 15 | 3.2148% | 5.5734% | 65 | 3.2894% | 3.2206% |
| 16 | 3.2319% | 3.4888% | 66 | 3.2884% | 3.2206% |
| 17 | 3.2504% | 3.5474% | 67 | 3.2874% | 3.2206% |
| 18 | 3.2702% | 3.6076% | 68 | 3.2864% | 3.2206% |
| 19 | 3.2912% | 3.6695% | 69 | 3.2854% | 3.2206% |
| 20 | 3.3133% | 3.7334% | 70 | 3.2845% | 3.2206% |
| 21 | 3.4337% | 5.8718% | 71 | 3.2836% | 3.2206% |
| 22 | 3.4240% | 3.2206% | 72 | 3.2827% | 3.2206% |
| 23 | 3.4152% | 3.2206% | 73 | 3.2819% | 3.2206% |
| 24 | 3.4070% | 3.2206% | 74 | 3.2810% | 3.2206% |
| 25 | 3.3996% | 3.2206% | 75 | 3.2802% | 3.2206% |
| 26 | 3.3927% | 3.2206% | 76 | 3.2794% | 3.2206% |
| 27 | 3.3863% | 3.2206% | 77 | 3.2787% | 3.2206% |
| 28 | 3.3804% | 3.2206% | 78 | 3.2779% | 3.2206% |
| 29 | 3.3749% | 3.2206% | 79 | 3.2772% | 3.2206% |
| 30 | 3.3697% | 3.2206% | 80 | 3.2765% | 3.2206% |
| 31 | 3.3649% | 3.2206% | 81 | 3.2758% | 3.2206% |
| 32 | 3.3604% | 3.2206% | 82 | 3.2751% | 3.2206% |
| 33 | 3.3562% | 3.2206% | 83 | 3.2745% | 3.2206% |
| 34 | 3.3522% | 3.2206% | 84 | 3.2738% | 3.2206% |
| 35 | 3.3484% | 3.2206% | 85 | 3.2732% | 3.2206% |
| 36 | 3.3449% | 3.2206% | 86 | 3.2726% | 3.2206% |
| 37 | 3.3415% | 3.2206% | 87 | 3.2720% | 3.2206% |
| 38 | 3.3383% | 3.2206% | 88 | 3.2714% | 3.2206% |
| 39 | 3.3353% | 3.2206% | 89 | 3.2708% | 3.2206% |
| 40 | 3.3324% | 3.2206% | 90 | 3.2703% | 3.2206% |
| 41 | 3.3297% | 3.2206% | 91 | 3.2697% | 3.2206% |
| 42 | 3.3271% | 3.2206% | 92 | 3.2692% | 3.2206% |
| 43 | 3.3246% | 3.2206% | 93 | 3.2687% | 3.2206% |
| 44 | 3.3223% | 3.2206% | 94 | 3.2682% | 3.2206% |
| 45 | 3.3200% | 3.2206% | 95 | 3.2677% | 3.2206% |
| 46 | 3.3178% | 3.2206% | 96 | 3.2672% | 3.2206% |
| 47 | 3.3158% | 3.2206% | 97 | 3.2667% | 3.2206% |
| 48 | 3.3138% | 3.2206% | 98 | 3.2662% | 3.2206% |
| 49 | 3.3119% | 3.2206% | 99 | 3.2658% | 3.2206% |
| 50 | 3.3101% | 3.2206% | 100 | 3.2653% | 3.2206% |