

# Pillar 3 Disclosure Report

Quarter ended June 2022

Maybank Singapore Limited

Incorporated in Singapore

Company Registration Number: 201804195C



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#### 1 INTRODUCTION

The Monetary Authority of Singapore ("MAS") has designated Maybank Singapore Limited ("MSL") as a Domestic Systemically Important Bank ("D-SIB") in Singapore since 2015. As such, MSL is subject to the reporting of MAS Notice 637 "Risk Based Capital Adequacy Requirements for Banks Incorporated in Singapore" ("MAS Notice 637"). The following disclosures are made pursuant to MAS Notice 637.

MSL recognises the importance of MAS Notice 637 in promoting market discipline by requiring disclosures of key information relating to regulatory capital and risk exposures on a consistent and comparable basis that will enable stakeholders to better understand and assess a reporting bank's business and risk profile vis-à-vis other banks.

For the purpose of calculating its risk-weighted assets, MSL applies the Internal Ratings-Based Approach ("IRBA") and Standardised Approach ("SA") to relevant credit exposures to ascertain its credit risk-weighted assets. For market risk and operational risk, MSL applies the SA and Basic Indicator Approach to compute the market risk-weighted assets and operational risk-weighted assets respectively.

The numbers in this document are presented in Singapore dollars and rounded to the nearest million, unless otherwise stated.



#### 2 CAPITAL ADEQUACY

MSL's approach to capital management is driven by its strategic objectives and takes into account all relevant regulatory, economic and commercial environments in which MSL and the Maybank Group operate. MSL regards having a strong capital position as essential to the bank's business strategy and competitive position. As such, implications on the bank's capital position are taken into account by the Board and senior management prior to implementing any major business decision in order to preserve the bank's overall capital strength.

The quality and composition of capital are key factors in the Board and senior management's evaluation of the bank's capital adequacy position. MSL places strong emphasis on the quality of its capital and accordingly holds a higher amount of its capital in the form of common equity which is permanent and has the highest loss absorption capability on a going concern basis.

The Board maintains oversight of the regulatory capital of MSL in line with regulatory requirements under the MAS Notice 637 and expectations of various stakeholders such as regulators. To date, MSL has complied with all externally-imposed regulatory capital requirements throughout the financial period.



#### 2.1 Key Metrics

The following table provides an overview of the key prudential regulatory metrics related to regulatory capital, leverage ratio and liquidity standards for MSL.

The drop in capital ratio is mainly due to a decrease in CET1 capital contributed by an increase in mark to market loss on fair value through other comprehensive income ("FVOCI") securities and an increase in risk-weighted assets ("RWA").

Liquidity coverage ratio on Country Group basis has increased by 3 percentage points as compared to the previous quarter due to an increase in the holding of High Quality Liquid Assets.

		(a)	(b)	(c)	(d)	(e)
SGD	SGD million		31 Mar 2022	31 Dec 2021	30 Sep 2021	30 Jun 2021
	Available amount (amounts)					
1	CET1 capital	1,933	2,004	2,070	1,977	1,983
2	Tier 1 capital	1,933	2,004	2,070	1,977	1,983
3	Total capital	2,521	2,593	2,656	2,590	2,592
	Risk weighted assets (amounts)					
4	Total RWA	15,101	14,899	14,793	14,948	14,729
	Risk-based capital ratios as a percentage of RWA					
5	CET1 ratio (%)	12.8	13.5	14.0	13.2	13.5
6	Tier 1 ratio (%)	12.8	13.5	14.0	13.2	13.5
7	Total capital ratio (%)	16.7	17.4	18.0	17.3	17.6
	Additional CET1 buffer requirements as a percentage of RWA					
8	Capital conservation buffer requirement (2.5% from 2019) (%)	2.5	2.5	2.5	2.5	2.5
9	Countercyclical buffer requirement (%)	0.0	0.0	0.0	0.0	0.0
10	Bank G-SIB and/or D-SIB additional requirements (%)	-	-	-	-	-
11	Total of bank CET1 specific buffer requirements (%) (row 8 + row 9 + row 10)	2.5	2.5	2.5	2.5	2.5
12	CET1 available after meeting the Reporting Bank's minimum capital requirements (%)	4.8	5.5	6.0	5.2	5.5
	Leverage Ratio (SGD million / %)					
13	Total Leverage Ratio exposure measure	39,113	39,137	37,804	39,391	40,140
14	Leverage Ratio (%) (row 2 / row 13)	4.9	5.1	5.5	5.0	4.9



		(a)	(b)	(c)	(d)	(e)
SGD million		30 Jun 2022	31 Mar 2022	31 Dec 2021	30 Sep 2021	30 Jun 2021
	Liquidity Coverage Ratio (SGD million / %) <sup>1</sup>					
15	Total High Quality Liquid Assets	18,163	17,508	18,960	19,607	20,075
16	Total net cash outflow	14,093	13,936	14,227	14,081	13,454
17	Liquidity Coverage Ratio (%)	129	126	134	139	150
	Net Stable Funding Ratio (SGD million / %) <sup>2</sup>					
18	Total available stable funding	39,575	38,213	37,858	39,068	41,211
19	Total required stable funding	36,610	35,136	34,085	32,775	33,113
20	Net Stable Funding Ratio (%)	108	109	111	119	124

-

<sup>&</sup>lt;sup>1</sup> MSL is subject to the reporting of MAS Notice 649 Liquidity Coverage Ratio on Country Group basis (consisting of Malayan Banking Berhad, Singapore Branch and Maybank Singapore Limited). Data presented are based on simple averages of daily observations for the respective quarter. Please refer to MSL's website at <a href="https://www.maybank2u.com.sq/en/personal/about\_us/maybank-singapore/regulatory-disclosure-maybank-singapore-limited.page">https://www.maybank2u.com.sq/en/personal/about\_us/maybank-singapore-limited.page</a> for the LCR disclosures.

<sup>2</sup> MSL is subject to the reporting of MAS Notice 652 Net Stable Funding Ratio on Country Group basis (consisting of Malayan Banking

AMSL is subject to the reporting of MAS Notice 652 Net Stable Funding Ratio on Country Group basis (consisting of Malayan Banking Berhad, Singapore Branch and Maybank Singapore Limited). Data presented are as at the last day of respective quarter. Please refer to MSL's website at <a href="https://www.maybank2u.com.sg/en/personal/about\_us/maybank-singapore/regulatory-disclosure.page">https://www.maybank2u.com.sg/en/personal/about\_us/maybank-singapore/regulatory-disclosure.page</a> for the NSFR half-yearly disclosures.



#### 2.2 Geographical Distribution of Credit Exposures Used in the Countercyclical Capital Buffer

The Basel III standards introduced the Countercyclical Capital Buffer ("CCyB") framework to achieve a broader macro prudential goal of protecting the banking sector from periods of excess aggregate credit growth.

The CCyB is applied on a discretionary basis by banking supervisors in the respective jurisdictions.

The table below provides an overview of the geographical distribution of the RWA in private sector credit exposures relevant to the calculation of the CCyB.

The Basel III CCyB is calculated as the weighted average of the buffers in effect in the jurisdictions which banks have private sector credit exposures, subject to the relevant transitional caps under MAS Notice 637.

MSL attributes private sector credit exposures to jurisdictions based primarily on the jurisdiction of risk of each obligor or its guarantor, if applicable.

The determination of an obligor's jurisdiction of risk is based on the look-through approach, taking into consideration factors such as the economic activity and the availability of parental support.

SGD million	(a)	(b)	(c)	(d)
Geographical breakdown	Country-specific countercyclical buffer requirement	RWA for private sector credit exposures used in the computation of the countercyclical buffer	Bank-specific countercyclical buffer requirement	Countercyclical buffer amount
Hong Kong	1.00%	17		
Luxembourg	0.50%	*		
Norway	1.00%	*		
Others		12,490		
Total		12,508	0.0%	*

<sup>\*</sup>Amount is less than 0.5



### 3 COMPOSITION OF CAPITAL

### 3.1 Composition of Regulatory Capital

The following table provides a breakdown of the constituent components of regulatory capital and the corresponding regulatory adjustments.

SGD r	million	Amount				
Comr	Common Equity Tier 1 capital: instruments and reserves					
1	Paid-up ordinary shares and share premium (if applicable)	2,000				
2	Retained earnings	82				
3#	Accumulated other comprehensive income and other disclosed reserves	(135)				
4	Directly issued capital subject to phase out from CET1 (only applicable to non-joint stock companies)					
5	Minority interest that meets criteria for inclusion	-				
6	Common Equity Tier 1 capital before regulatory adjustments	1,947				
Comr	mon Equity Tier 1 capital: regulatory adjustments					
7	Valuation adjustment pursuant to Part VIII of MAS Notice 637	-				
8	Goodwill, net of associated deferred tax liability	-				
9#	Intangible assets, net of associated deferred tax liability	-				
10#	Deferred tax assets that rely on future profitability	14				
11	Cash flow hedge reserve	-				
12	Shortfall of TEP relative to EL under IRBA	-				
13	Increase in equity capital resulting from securitisation transactions	-				
14	Unrealised fair value gains/losses on financial liabilities and derivative liabilities arising from changes in own credit risk	-				
15	Defined benefit pension fund assets, net of associated deferred tax liability	-				
16	Investments in own shares	-				
17	Reciprocal cross-holdings in ordinary shares of financial institutions	-				
18	Investments in ordinary shares of unconsolidated financial institutions in which the Reporting Bank does not hold a major stake	1				
19	Investments in ordinary shares of unconsolidated financial institutions in which the Reporting Bank holds a major stake (including insurance subsidiaries) (amount above 10% threshold)	-				
20#	Mortgage servicing rights (amount above 10% threshold)					
21#	Deferred tax assets arising from temporary differences (amount above 10% threshold, net of associated deferred tax liability)					
22	Amount exceeding the 15% threshold	-				
23	of which: investments in ordinary shares of unconsolidated financial institutions in which the Reporting Bank holds a major stake (including insurance subsidiaries)	-				
24#	of which: mortgage servicing rights					
25#	of which: deferred tax assets arising from temporary differences					
26	National specific regulatory adjustments	-				
26A	PE/VC investments held beyond the relevant holding periods set out in MAS Notice 630	-				



SGD r	million	Amount		
26B	Capital deficits in subsidiaries and associates that are regulated financial	-		
	institutions			
26C	Any other items which the Authority may specify  Regulatory adjustments applied in calculation of CET1 Capital due to	-		
27	insufficient AT1 Capital to satisfy required deductions	-		
28	Total regulatory adjustments to CET1 Capital	14		
29	Common Equity Tier 1 capital (CET1)	1,933		
Addit	ional Tier 1 capital: instruments			
30	AT1 capital instruments and share premium (if applicable)	-		
31	of which: classified as equity under the Accounting Standards	-		
32	of which: classified as liabilities under the Accounting Standards	-		
33	Transitional: Ineligible capital instruments (pursuant to paragraphs 6.5.3 and 6.5.4)	-		
34	AT1 capital instruments issued by fully-consolidated subsidiaries that meet criteria for inclusion	-		
35	of which: instruments issued by subsidiaries subject to phase out	-		
36	Additional Tier 1 capital before regulatory adjustments	-		
Addit	ional Tier 1 capital: regulatory adjustments			
37	Investments in own AT1 capital instruments	-		
38	Reciprocal cross-holdings in AT1 capital instruments of financial institutions	-		
39	Investments in AT1 capital instruments of unconsolidated financial institutions in which the Reporting Bank does not hold a major stake	-		
40	Investments in AT1 capital instruments of unconsolidated financial institutions in which the Reporting Bank holds a major stake (including insurance subsidiaries)	-		
41	National specific regulatory adjustments which the Authority may specify	-		
42	Regulatory adjustments applied in calculation of AT1 Capital due to insufficient Tier 2 Capital to satisfy required deductions	-		
43	Total regulatory adjustments to Additional Tier 1 capital	-		
44	Additional Tier 1 capital (AT1)	-		
45	Tier 1 capital (T1 = CET1 + AT1)	1,933		
Tier 2	2 capital: instruments and provisions			
46	Tier 2 capital instruments and share premium (if applicable)	500		
47	Transitional: Ineligible capital instruments (pursuant to paragraphs 6.5.3 and 6.5.4)	-		
48	Tier 2 capital instruments issued by fully-consolidated subsidiaries that meet criteria for inclusion	-		
49	of which: instruments issued by subsidiaries subject to phase out	-		
50	Provisions	88		
51	Tier 2 capital before regulatory adjustments	588		
Tier 2 capital: regulatory adjustments				
52	Investments in own Tier 2 instruments	-		
53	Reciprocal cross-holdings in Tier 2 capital instruments of financial institutions	-		
54	Investments in Tier 2 capital instruments and other TLAC liabilities of unconsolidated financial institutions in which Reporting Bank does not hold a major stake	-		



SGD n	nillion	Amount				
	Investments in other TLAC liabilities of unconsolidated financial institutions in					
54a#	which the Reporting Bank does not hold a major stake: amount previously	-				
	designated for the 5% threshold but that no longer meets the conditions					
EE	Investments in Tier 2 capital instruments and other TLAC liabilities of					
55	unconsolidated financial institutions in which the Reporting Bank holds a major stake (including insurance subsidiaries)	-				
	National specific regulatory adjustments which the Authority					
56	may specify	-				
57	Total regulatory adjustments to Tier 2 capital	-				
58	Tier 2 capital (T2)	588				
59	Total capital (TC = T1 + T2)	2,521				
60	Floor-adjusted total risk weighted assets	15,101				
Capita	al ratios (as a percentage of floor-adjusted risk weighted assets)					
61	Common Equity Tier 1 CAR	12.8%				
62	Tier 1 CAR	12.8%				
63	Total CAR	16.7%				
64	Bank-specific buffer requirement	9.0%				
65	of which: capital conservation buffer requirement	2.5%				
66	of which: bank specific countercyclical buffer requirement	0.0%				
67	of which: G-SIB and/or D-SIB buffer requirement (if applicable)	-				
68	Common Equity Tier 1 available after meeting the Reporting Bank's minimum	4.8%				
Natio	capital requirements nal minima					
69	Minimum CET1 CAR	6.5%				
70	Minimum Tier 1 CAR	8.0%				
71	Minimum Total CAR	10.0%				
	nts below the thresholds for deduction (before risk weighting)	10.0%				
AIIIOU	Investments in ordinary shares, AT1 capital, Tier 2 capital and other TLAC					
72	liabilities of unconsolidated financial institutions in which the Reporting Bank					
	does not hold a major stake	-				
	Investments in ordinary shares of unconsolidated financial					
73	institutions in which the Reporting Bank holds a major stake (including insurance subsidiaries)	-				
	Mortgage servicing rights (net of associated deferred tax					
74	liability)					
75	Deferred tax assets arising from temporary differences (net of associated					
	deferred tax liability)					
Appli	cable caps on the inclusion of provisions in Tier 2					
76	Provisions eligible for inclusion in Tier 2 in respect of exposures subject to standardised approach (prior to application of cap)	59				
77	Cap on inclusion of provisions in Tier 2 under standardised approach	68				
78	Provisions eligible for inclusion in Tier 2 in respect of exposures subject to	29				
	internal ratings-based approach (prior to application of cap)					
79	Cap for inclusion of provisions in Tier 2 under internal ratings-based approach	47				
	Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2013 and 1 Jan 2022)					
80	Current cap on CET1 instruments subject to phase out arrangements					



SGD n	nillion	Amount			
81	Amount excluded from CET1 due to cap (excess over cap after redemptions and maturities)				
82	Current cap on AT1 instruments subject to phase out arrangements	-			
83	Amount excluded from AT1 due to cap (excess over cap after redemptions and maturities)	-			
84	Current cap on T2 instruments subject to phase out arrangements	-			
85	Amount excluded from T2 due to cap (excess over cap after redemptions and maturities)	-			
Itomo	Items marked with a hash [#] are elements where a more conservative definition has been applied				

Items marked with a hash [#] are elements where a more conservative definition has been applied relative to those set out under the Basel III capital standards.



### 3.2 Main Features of Regulatory Capital Instruments

1	Issuer	Maybank Singapore Limited	Maybank Singapore Limited
2	Unique identifier (eg CUSIP, ISIN or Bloomberg identifier for private placement)	N.A.	SGXZ25494378
3	Governing law(s) of the instrument	Singapore	Singapore
4	Transitional Basel III rules	Common Equity Tier 1	Tier 2
5	Post-transitional Basel III rules	Common Equity Tier 1	Tier 2
6	Eligible at solo/group/group&solo	Group and Solo	Group and Solo
7	Instrument type (types to be specified by each jurisdiction)	Ordinary Shares	T2 Subordinated Notes
8	Amount recognised in regulatory capital (Currency in millions, as of most recent reporting date)	S\$2,000 million	S\$500 million
9	Par value of instrument	N.A.	N.A.
10	Accounting classification	Shareholder's Equity	Liability - amortised cost
11	Original date of issuance	05 November 2018	26 March 2020
12	Perpetual or dated	Perpetual	Dated
13	Original maturity date	No maturity	26 March 2030
14	Issuer call subject to prior supervisory approval	No	Yes
15	Optional call date, contingent call dates and redemption amount	N.A.	26 March 2025
16	Subsequent call dates, if applicable	N.A.	N.A.
	Coupons / dividends		
17	Fixed or floating dividend/coupon	N.A.	Fixed
18	Coupon rate and any related index	N.A.	3.70%, subject to reset if call option is not exercised in accordance with the Subscription Agreement.
19	Existence of a dividend stopper	N.A.	No
20	Fully discretionary, partially discretionary or mandatory	Fully discretionary	Mandatory
21	Existence of step up or other incentive to redeem	N.A.	No
22	Noncumulative or cumulative	N.A.	N.A.
23	Convertible or non-convertible	Non-convertible	Non-convertible



24	If convertible, conversion trigger (s)	N.A.	N.A.
25	If convertible, fully or partially	N.A.	N.A.
26	If convertible, conversion rate	N.A.	N.A.
27	If convertible, mandatory or optional conversion	N.A.	N.A.
28	If convertible, specify instrument type convertible into	N.A.	N.A.
29	If convertible, specify issuer of instrument it converts into	N.A.	N.A.
30	Write-down feature	No	Yes
31	If write-down, write-down trigger(s)	N.A.	A "Trigger Event" is defined as the earlier of (a) MAS notifying the bank in writing that it is of the opinion that a write-off or conversion is necessary, without which the bank would become nonviable; and (b) a decision by the MAS to make a public sector injection of capital, or equivalent support, without which the bank would have become nonviable, as determined by MAS.



32	If write-down, full or partial	N.A.	Full -> Trigger Event Write-off Amount means the amount of interest and/or principal to be written off as the MAS may direct, or as the bank shall determine in accordance with the MAS, which is required to be written off for the Trigger Event to cease to continue. For the avoidance of doubt, the write-off will be effected in full even in the event that the amount written off is not sufficient for the Trigger Event to cease to continue.						
33	If write-down, permanent or temporary	N.A.	Permanent						
34	If temporary write-down, description of write-up mechanism	N.A.	N.A.						



35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument in the insolvency creditor hierarchy of the legal entity concerned)	Represents the most subordinated claim upon occurrence of liquidation of the bank	Subject to the insolvency laws of Singapore and other applicable laws, in the event of a winding-up of the bank, the rights of the Noteholders to payment of principal and interest on the Notes and any other obligations in respect of the Notes are: (i) subordinated in right of payment to the claims of all unsubordinated creditors of the Issuer, (ii) rank senior in right of payment to the rights and claims of creditors in respect of Subordinated Indebtedness, and (iii) rank pari passu in right of payment with the rights and claims of creditors in respect of Tier 2 capital securities.
36	Non-compliant transitioned features	No	No
37	If yes, specify non-compliant features	N.A.	N.A.



#### 4 LEVERAGE RATIO

The leverage ratio has been introduced under the Basel III framework as a non-risk based backstop limit to supplement the risk-based capital requirements. Its primary aim is to constrain the build-up of excess leverage in the banking sector.

#### 4.1 Leverage Ratio

SGD million	30 Jun 2022	31 Mar 2022
Capital and Total exposures		
Tier 1 Capital	1,933	2,004
Total Exposures	39,113	39,137
Leverage Ratio (%)		
Leverage ratio	4.9	5.1

#### 4.2 Leverage Ratio Common Disclosure Template

The following table provides a detailed breakdown of the components of the leverage ratio denominator.

The bank's leverage ratio as at June 2022 has decreased 0.2 percentage points as compared to the previous quarter due to lower Tier 1 capital. The ratio is well above the 3% regulatory minimum ratio prescribed by MAS, effective 1 January 2018.

SGD	million	Amo	unt
	Item	30 Jun 2022	31 Mar 2022
	Exposure measures of on-balance sheet items		
1	On-balance sheet items (excluding derivative transactions and SFTs, but including on-balance sheet collateral for derivative transactions or SFTs)	32,929	33,298
2	Asset amounts deducted in determining Tier 1 capital	(14)	-
3	Total exposure measures of on-balance sheet items (excluding derivative transactions and SFTs)	32,915	33,298
	Derivative exposure measures		
4	Replacement cost associated with all derivative transactions (net of the eligible cash portion of variation margins)	78	24
5	Potential future exposure associated with all derivative transactions	120	23
6	Gross-up for derivative collaterals provided where deducted from the balance sheet assets in accordance with the Accounting Standards	-	-
7	Deductions of receivables for the cash portion of variation margins provided in derivative transactions	-	-
8	CCP leg of trade exposures excluded	-	-
9	Adjusted effective notional amount of written credit derivatives	-	-



SGD	million	Amo	ount	
	Item	30 Jun 2022	31 Mar 2022	
10	Further adjustments in effective notional amounts and deductions from potential future exposures of written credit derivatives	-	-	
11	Total derivative exposure measures	198	47	
	SFT exposure measures			
12	Gross SFT assets (with no recognition of accounting netting), after adjusting for sales accounting	3,772	3,277	
13	Eligible netting of cash payables and cash receivables	-	-	
14	SFT counterparty exposures	-	23	
15	SFT exposure measures where a Reporting Bank acts as an agent in the SFTs	-	-	
16	Total SFT exposure measures	3,772	3,300	
	Exposure measures of off-balance sheet items			
17	Off-balance sheet items at notional amount	9,991	10,240	
18	Adjustments for calculation of exposure measures of off-balance sheet items	(7,763)	(7,748)	
19	Total exposure measures of off-balance sheet items	2,228	2,492	
	Capital and Total exposures			
20	Tier 1 capital	1,933	2,004	
21	Total exposures	39,113	39,137	
	Leverage ratio			
22	Leverage ratio	4.9%	5.1%	



### 5 OVERVIEW OF RISK-WEIGHTED ASSETS

The following table presents the bank's RWA by approaches and risk types, as prescribed under MAS Notice 637. The minimum capital requirements are expressed as 10% of RWA. The bank's RWA comprises Credit RWA, Operational RWA and Market RWA.

The quarter-on-quarter increase in credit RWA is mainly due to an increase in derivative exposures.

		(a)	(b)	(c)	
SGD	million	RV	Minimum capital requirements		
		30 Jun 2022	31 Mar 2022	30 Jun 2022	
1	Credit risk (excluding CCR)	13,683	13,663	1,368	
2	of which: Standardised Approach	5,313	5,197	531	
3	of which: F-IRBA	4,160	4,244	416	
4	of which: Supervisory Slotting Approach	-	-	-	
5	of which: A-IRBA	4,209	4,222	421	
6	CCR	129	59	13	
7	of which: SA-CCR	120	45	12	
8	of which: CCR internal models method	-	ı	-	
9	of which: other CCR	9	14	1	
9a	of which: CCP	-	ı	-	
10	CVA	135	34	13	
11	Equity exposures under the simple risk weight method	1	-	-	
11a	Equity exposures under the IMM	1	ı	-	
12	Equity investments in funds - look through approach	1	-	-	
13	Equity investments in funds - mandate- based approach	-	-	-	
14	Equity investments in funds - fall back approach	-	-	-	
14a	Equity investment in funds -partial use of an approach	-	-	-	
15	Unsettled transactions	-	-	-	
16	Securitisation exposures in the banking book	-	-	-	
17	of which: SEC-IRBA	1	ı	-	
18	of which: SEC-ERBA, including IAA	-	-	-	
19	of which: SEC-SA	-	ı	-	
20	Market risk	6	2	1	
21	of which: SA(MR)	6	2	1	
22	of which: IMA	-	-	-	
23	Operational risk	1,148	1,141	115	



		(a)	(b)	(c)	
SGD million		RWA		Minimum capital requirements	
		30 Jun 2022	31 Mar 2022	30 Jun 2022	
24	Amounts below the thresholds for deduction (subject to 250% risk weight)		-	-	
25	Floor adjustment	-	-	-	
26	Total	15,101	14,899	1,510	



### 6 CREDIT QUALITY OF ASSETS

The following table provides an overview of the credit quality of the bank's on- and off- balance sheet assets.

		(a) (b)		(c)	(d) (e)		(f)	(g)
SGD million		Gross carryi	ing amount of	Allowances and		es for standardised exposures	of which: allowances	Net values
		Defaulted exposures	Non-defaulted exposures	impairments of which: specific of which: general allowances allowances exposures		for IRBA	(a+b-c)	
	1	exposures	exposures		anowances	anowances	exposures	
1	Loans	115	24,833	212	15	45	152	24,735
2	Debt securities	-	3,501	*	-	*	-	3,501
3 Off-balance sheet exposures		-	8,628	1	-	*	1	8,628
4	Total	115	36,963	213	15	45	153	36,864

<sup>\*</sup>Amount is less than 0.5

A default by the obligor is deemed to have occurred when the obligor is assessed to be unlikely to pay its credit obligations in full or the obligor is past due for more than 90 days on its credit obligations to the bank.



### 7 CHANGES IN STOCK OF DEFAULTED LOANS AND DEBT SECURITIES

SCD	million	(a)
300	IIIIIIIOII	30 Jun 2022
1	Defaulted loans and debt securities at end of the previous semi-annual reporting period	138
2	Loans and debt securities that have defaulted since the previous semi-annual reporting period	32
3	Returned to non-defaulted status	27
4	Amounts written off	20
5	Other changes	(8)
6	Defaulted loans and debt securities at end of the semi-annual reporting period (1+2-3-4±5)	115

### 8 OVERVIEW OF CRM TECHNIQUES

The following table provides information on the extent of usage of Credit Risk Mitigation ("CRM") techniques.

		(a)	(b)	(c)	(d)	(e)	
SGD million		Exposures unsecured	Exposures secured <sup>3</sup>	Exposures secured by collateral	Exposures secured by financial guarantees	Exposures secured by credit derivatives	
1	Loans	5,779	18,957	18,957	-	-	
2	Debt securities	3,501	1	-	-	-	
3 Total		9,280	18,957	18,957	ı	-	
4	Of which: defaulted	21	28	28	-	-	

<sup>&</sup>lt;sup>3</sup> This refers to carrying amount of exposures which have at least one credit risk mitigation mechanism, collateral or financial guarantees associated with them as per the requirements of credit risk mitigation techniques set out in MAS Notice 637.



### 9 CREDIT RISK EXPOSURES UNDER STANDARDISED APPROACH

### 9.1 SA(CR) and SA(EQ) - Credit Risk Exposure and CRM Effects

The following table provides an overview of the effects of CRM on the calculation of the bank's capital requirements for SA(CR).

RWA increased in the first half of 2022 mainly due to higher exposures in Corporate and Regulatory retail asset classes. Overall RWA density increased due to changes in exposure mix.

SCL	) million	(a)	(b)	(c)	(d)	(e)	(f)	
301	Hillion	Exposures before			CF and post-CRM	RWA and RWA density		
Ass	et Classes and others	On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA density	
1	Cash items	54	1	54	1	1	0%	
2	Central government and central bank	4,415	150	4,415	150	14	*	
3	PSE	146	-	146	-		0%	
4	MDB	-	-	-	-		-	
5	Bank	3,366	6	3,366	6	1,046	31%	
6	Corporate	466	496	424	74	498	100%	
7	Regulatory retail	2,913	2,284	2,756	125	2,161	75%	
8	Residential mortgage	504	29	503	10	187	36%	
9	CRE	775	50	773	19	792	100%	
10	Equity - SA(EQ)	-	-	-	-		-	
11	Past due exposures	28	1	14	-	16	117%	
12	Higher-risk categories	-	-	-	-	-	-	
13	Other exposures	753	473	552	47	599	100%	
14	Total	13,420	3,489	13,003	430	5,313	40%	

<sup>\*</sup>Amount is less than 0.5



### 9.2 SA(CR) and SA(EQ) - Exposures by Asset Classes and Risk Weights

The following table presents the breakdown of credit risk exposures under the SA(CR) by asset class and risk weight.

Exposures decreased in the first half of 2022 mainly due to central government and central bank asset class.

SGD	million	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Asset Classes and others		0%	10%	20%	35%	50%	75%	100%	150%	Others	Total credit exposure amount (post-CCF and post-CRM)
1	Cash items	54	-	-	-	-	-	-	-	-	54
2	Central government and central bank	4,493	-	71	-	-	-	-	-	-	4,565
3	PSE	146	-	-	-	-	-	-	-	-	146
4	MDB	-	-	-	-	-	-	-	-	-	-
5	Bank	-	-	2,135	-	1,234	-	2	-	-	3,371
6	Corporate	-	-	-	-	-	-	498	-	-	498
7	Regulatory retail	-	-	-	-	-	2,881	-	-	-	2,881
8	Residential mortgage	-	-	-	501	-	3	9	-	-	513
9	CRE	-	-	-	-	-	-	792	-	-	792
10	Equity - SA(EQ)	-	-	-	-	-	-	-	-	-	-
11	Past due exposures	-	-	-	-	-	-	9	5	-	14
12	Higher-risk categories	-	-	-	-	-	-	-	-	-	-
13	Other exposures	-	-	-	-	-	-	599	-	-	599
14	Total	4,693	-	2,206	501	1,234	2,884	1,910	5	-	13,433



### 10 CREDIT RISK EXPOSURES BY PORTFOLIO AND PD RANGE

The following table provides the main parameters used for the calculation of capital requirements for credit exposures under Foundation IRBA.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
	Original on-balance sheet gross exposures	Off-balance sheet exposures pre-CCF	Average CCF	EAD post- CRM and post-CCF	Average PD	Number of obligors		Average maturity		RWA density	EL	TEP
PD Range	(SGD m	nillion)	(%)	(SGD million)	(%)	(Count)	(%)	(Years)	(SGD million)	(%)	(SGD ı	million)
Corporate			<u> </u>			<u> </u>	<u> </u>					
0.00 to < 0.15	64	66	5%	67	0.10%	44	40%	3.5	23	34%	*	
0.15 to < 0.25	34	52	12%	40	0.20%	29	41%	2.0	15	37%	*	
0.25 to < 0.50	393	189	10%	413	0.36%	123	41%	3.5	289	70%	1	
0.50 to < 0.75	194	108	14%	209	0.55%	75	40%	3.2	162	78%	*	
0.75 to < 2.50	963	479	21%	1,062	1.45%	306	41%	3.5	1,232	116%	6	
2.50 to < 10.00	392	200	26%	443	3.51%	146	40%	3.1	592	133%	6	
10.00 to < 100.00	93	123	7%	102	12.43%	1,063	41%	3.1	217	212%	5	
100.00 (Default)	54	26	-	54	100.00%	40	43%	4.1	-	-	23	
Sub-total	2,187	1,243	16%	2,390	4.20%	1,826	41%	3.4	2,529	106%	42	69
Corporate Small B											T	
0.00 to < 0.15	60	101	6%	67	0.11%	61	40%	2.7	17	26%	*	
0.15 to < 0.25	110	53	9%	115	0.20%	37	38%	3.4	44	39%	*	
0.25 to < 0.50	279	204	7%	293	0.35%	144	41%	3.4	195	66%	*	
0.50 to < 0.75	161	119	11%	174	0.55%	66	41%	3.9	124	71%	*	
0.75 to < 2.50	903	526	11%	963	1.37%	296	42%	3.4	938	97%	6	
2.50 to < 10.00	216	92	16%	231	3.51%	87	41%	3.0	253	110%	3	
10.00 to < 100.00	36	3	-	36	12.86%	17	39%	2.8	61	167%	2	
100.00 (Default)	6	1	-	6	100.00%	2	43%	3.9	-	-	2	
Sub-total	1,772	1,099	10%	1,885	1.80%	710	42%	3.4	1,631	87%	14	22
Total (all portfolios)	3,959	2,342	14%	4,276	3.14%	2,536	41%	3.4	4,160	97%	56	91

<sup>\*</sup>Amount is less than 0.5



The following table provides the main parameters used for the calculation of capital requirements for credit exposures under Advanced IRBA.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(I)
	Original on- balance sheet gross exposures	sheet	Average CCF	EAD post- CRM and post-CCF	Average PD	Number of obligors		Average maturity	RWA	RWA density	EL	TEP
PD Range	(SGD n	nillion)	(%)	(SGD million)	(%)	(Count)	(%)	(Years)	(SGD million)	(%)	(SGD ı	million)
Residential Mortga												
0.00 to < 0.15	57	13	100%	70	0.13%	102	22%		5	7%	*	
0.15 to < 0.25	2,050	77	100%	2,128	0.22%	6,035	23%		220	10%	1	
0.25 to < 0.50	6,144	459	100%	6,603	0.36%	10,491	23%		969	15%	5	
0.50 to < 0.75	3,466	590	100%	4,055	0.58%	4,555	22%		833	21%	5	
0.75 to < 2.50	826	391	100%	1,217	1.38%	1,361	23%		440	36%	4	
2.50 to < 10.00	539	135	100%	675	3.52%	698	22%		431	64%	5	
10.00 to < 100.00	25	-	-	25	22.42%	64	23%		33	134%	1	
100.00 (Default)	22	-	-	22	100.00%	42	26%		47	212%	2	
Sub-total	13,129	1,665	100%	14,794	0.81%	23,134	23%		2,979	20%	24	35
Qualifying Revolving	ng Retail											
0.00 to < 0.15	-	-	-	-	-	-	-		-	-	-	
0.15 to < 0.25	*	1	62%	1	0.24%	82	90%		*	12%	*	
0.25 to < 0.50	81	821	60%	577	0.37%	62,178	90%		97	17%	2	
0.50 to < 0.75	39	551	62%	382	0.58%	32,400	90%		91	24%	2	
0.75 to < 2.50	140	896	57%	652	1.26%	68,352	90%		278	43%	7	
2.50 to < 10.00	28	162	57%	120	4.49%	13,531	90%		126	105%	5	
10.00 to < 100.00	15	37	49%	33	16.78%	3,392	90%		69	211%	5	
100.00 (Default)	5	4	100%	8	100.00%	421	90%		11	133%	7	
Sub-total	307	2,472	59%	1,772	1.79%	180,352	90%		672	38%	28	10

<sup>\*</sup>Amount is less than 0.5



	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(I)
	Original on- balance sheet gross exposures	sheet	Average CCF	EAD post- CRM and post-CCF	Average PD	Number of obligors	_	Average maturity	I RWA	RWA density	EL	TEP
PD Range	(SGD n	nillion)	(%)	(SGD million)	(%)	(Count)	(%)	(Years)	(SGD million)	(%)	(SGD r	million)
Other Retail												
0.00 to < 0.15	305	ı	1	305	0.10%	11,102	32%		27	9%	*	
0.15 to < 0.25	433	-	-	433	0.19%	12,344	34%		62	14%	*	
0.25 to < 0.50	1,002	9	57%	1,007	0.43%	23,146	37%		258	26%	2	
0.50 to < 0.75	107	4	42%	108	0.61%	2,197	38%		35	32%	*	
0.75 to < 2.50	354	7	47%	357	1.17%	7,316	38%		150	42%	2	
2.50 to < 10.00	40	2	30%	41	3.52%	866	39%		24	59%	1	
10.00 to < 100.00	2	*	17%	2	18.32%	53	43%		2	93%	*	
100.00 (Default)	*	-	-	*	100.00%	12	71%		*	94%	*	
Sub-total	2,243	21	49%	2,254	0.56%	56,808	36%		558	25%	5	6
Total (all portfolios)	15,679	4,159	76%	18,820	0.87%	240,758	30%		4,209	22%	57	51

<sup>\*</sup>Amount is less than 0.5

As at 30 June 2022, the bank does not recognise credit derivatives as a credit risk mitigant under the F-IRBA or A-IRBA.



### 11 EFFECT ON RWA OF CREDIT DERIVATIVES USED AS CRM

The bank does not recognise credit derivatives as a credit risk mitigant.

### 12 IRBA - RWA FLOW STATEMENT FOR CREDIT RISK EXPOSURES

The table below presents the drivers of movement in Credit RWA under IRBA for the quarter.

The bank's RWAs decreased by S\$96 million quarter-on-quarter. This was mainly due to an improvement in the asset quality of corporate portfolios, coupled with a small drop in the asset size of retail portfolios under the IRBA.

scn	million	(a)
SGD	million	RWA amounts
1	RWA as at end of previous quarter	8,466
2	Asset size	(23)
3	Asset quality	(79)
4	Model updates	-
5	Methodology and policy	-
6	Acquisitions and disposals	-
7	Foreign exchange movements	6
8	Other	-
9	RWA as at end of quarter	8,370

#### 13 SPECIALISED LENDING AND EQUITIES UNDER THE SIMPLE RISK WEIGHT METHOD

The bank does not have specialised lending or equities exposures under the Simple Risk Weight Method.



#### 14 ANALYSIS OF CCR BY APPROACH

The following table presents the methods used to calculate Counterparty Credit Risk regulatory requirements and the main parameters used within each method.

EAD and RWA for derivatives increased in the first half of 2022 mainly due to implementation of Standardised Approach for Counterparty Credit Risk ("SA-CCR") for the calculation of pre-settlement counterparty exposure arising from OTC derivative transactions with effect from 1 January 2022 as well as increase in derivative exposures.

		(a)	(b)	(c)	(d)	(d.1)	(e)	(f)
SG	D million	Replacement cost	Potential future exposure	Effective EPE	Fixed alpha factor, α used for computing regulatory EAD	α used for computing regulatory EAD	EAD (post- CRM)	RWA
1	SA-CCR (for derivatives)	56	56		1.4		157	120
2	CCR internal models method (for derivatives and SFTs)			-		-	-	1
3	FC(SA) (for SFTs)						-	1
4	FC(CA) (for SFTs)						47	9
5	VaR for SFTs						-	1
6	Total							129

#### 15 CVA RISK CAPITAL REQUIREMENTS

The following table provides an overview of the bank's Credit Valuation Adjustment ("CVA") risk capital requirements. The bank adopts the Standardised Method for CVA risk capital requirements.

The increase in CVA RWA in the first half of 2022 is in line with increased derivative exposures.

		(a)	(b)
SGI	SGD million		RWA
Tot	al portfolios subject to the Advanced CVA capital requirement	-	-
1	(i) VaR component (including the three-times multiplier)		
2	(ii) Stressed VaR component (including the three-times multiplier)		-
3	All portfolios subject to the Standardised CVA capital requirement	157	135
4	Total portfolios subject to the CVA risk capital requirement	157	135



### 16 CCR EXPOSURES BY PORTFOLIO AND RISK WEIGHTS

The following table provides a breakdown of the bank's CCR exposures calculated in accordance with the SA(CR), by asset class and risk weight.

The increase in exposures in the first half of 2022 were mainly from Bank asset class and other exposures.

SGD million	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
Risk weight Asset classes	0%	10%	20%	50%	<b>7</b> 5%	100%	150%	Others	Total Credit exposure
Central government and central bank	-	-	-	-	-	-	-	-	-
PSE	-	-	-	-	-	-	-	-	-
MDB	-	-	-	-	-	-	-	-	-
Bank	-	-	68	39	-	-	-	-	107
Corporate	-	-	-	-	-	*	-	-	*
Regulatory retail	-	-	-	-	*	-	-	-	*
Other exposures	-	-	-	-	-	95	-	-	95
Total	-	-	68	39	*	95	-	-	202

<sup>\*</sup>Amount is less than 0.5



### 17 CCR EXPOSURES BY PORTFOLIO AND PD RANGE

The following table provides the parameters used for the calculation of the bank's CCR capital requirements for IRBA models.

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
	EAD post-CRM	Average PD	Number of obligors	Average LGD	Average maturity	RWA	RWA density
PD Range	(SGD million)	(%)	(Count)	(%)	(Years)	(SGD million)	(%)
Corporate							
0.00 to < 0.15	*	0.14%	1	45%	1.00	*	25%
0.15 to < 0.25	*	0.20%	3	45%	1.00	*	32%
0.25 to < 0.50	1	0.30%	8	45%	1.00	*	41%
0.50 to < 0.75	*	0.55%	3	45%	1.00	*	58%
0.75 to < 2.50	*	1.47%	3	45%	1.00	*	91%
2.50 to < 10.00	*	3.30%	3	45%	1.00	*	120%
10.00 to < 100.00	*	13.74%	5	45%	1.00	*	206%
100.00 (Default)	-	-	-	-	-	-	-
Sub-total	1	0.93%	26	45%	1.00	*	59%
Corporate Small Bus	siness						
0.00 to < 0.15	*	0.04%	3	45%	1.00	*	8%
0.15 to < 0.25	*	0.20%	5	45%	1.00	*	27%
0.25 to < 0.50	*	0.39%	2	45%	1.00	*	42%
0.50 to < 0.75	*	0.55%	4	45%	1.00	*	51%
0.75 to < 2.50	*	1.19%	8	45%	1.00	*	72%
2.50 to < 10.00	-	-	-	-	-	-	-
10.00 to < 100.00	-	-	-	-	-	-	-
100.00 (Default)	-	-	-	-	-	-	-
Sub-total	1	0.54%	22	45%	1.00	1	45%
Total (sum of portfolios)	2	0.69%	48	45%	1.00	1	50%

<sup>\*</sup>Amount is less than 0.5



### 18 COMPOSITION OF COLLATERAL FOR CCR EXPOSURE

The following table provides a breakdown of all types of collateral posted or received by the bank to support or reduce the CCR exposures related to SFTs.

The increase in collateral posted and received for SFTs in the first half of 2022 was in line with the increase in reverse repurchase transactions.

	(a)	(b)	(c)	(d)	(e)	(f)
			rivative transactio		sed in SFTs	
	Fair value of col	lateral received	Fair value of co	ollateral posted	Fair value of	Fair value of
SGD million	Segregated	Unsegregated	Segregated	Unsegregated	collateral received	collateral posted
Cash - domestic currency	1	-	-	1	253	3,256
Cash - other currencies	-	-	-	-	-	516
Domestic sovereign debt	-	-	-	-	2,989	250
Other sovereign debt	-	-	-	-	121	-
Government agency debt	-	-	-	-	404	-
Corporate bonds	-	-	-	-	260	-
Equity securities	-	-	-	-	-	-
Other collateral	-	-	-	-	-	-
Total	-	-	-	-	4,027	4,022



### 19 CREDIT DERIVATIVE EXPOSURES

The bank does not have credit derivative exposure as at 30 June 2022.

### 20 EXPOSURE TO CENTRAL COUNTERPARTIES

The bank does not have exposure to central counterparties as at 30 June 2022.

### 21 SECURITISATION

The bank does not have securitisation exposure as at 30 June 2022.

### 22 MARKET RISK UNDER STANDARDISED APPROACH

The table below shows the capital requirement for each component under the Standardised Approach for market risk.

The market risk RWA was driven by foreign exchange risk in the banking book.

SG	D million	(a) RWA
	Products excluding options	
1	Interest rate risk (general and specific)	-
2	Equity risk (general and specific)	-
3	Foreign exchange risk	6
4	Commodity risk	-
	Options	
5	Simplified approach	-
6	Delta-plus method	-
7	Scenario approach	-
8	Securitisation	-
9	Total	6



## 23 ABBREVIATIONS

Abbreviations	Brief Description
A-IRBA	Advanced Internal Ratings-Based Approach
CCF	Credit Conversion Factor
CCP	Central Counterparty
CCR	Counterparty Credit Risk
ССуВ	Countercyclical Capital Buffer
CET1	Common Equity Tier 1
CRM	Credit Risk Mitigation
CVA	Credit Valuation Adjustment
D-SIB	Domestic Systemically Important Banks
EAD	Exposure At Default
EL	Expected Loss
F-IRBA	Foundation Internal Ratings-Based Approach
G-SIB	Global Systemically Important Banks
IAA	Internal Assessment Approach
IMA	Internal Models Approach
IMM	Internal Models Method
IRBA	Internal Ratings-Based Approach
LGD	Loss Given Default
MAS	Monetary Authority of Singapore
MSL	Maybank Singapore Limited
PD	Probability of Default
RWA	Risk-Weighted Assets
SA	Standardised Approach
SA-CCR	Standardised Approach for Counterparty Credit Risk
SA(CR)	Standardised Approach to Credit Risk
SA(MR)	Standardised Approach for Market Risk
SEC-ERBA	Securitisation External Ratings-Based Approach
SEC-IRBA	Securitisation Internal Ratings-Based Approach
SEC-SA	Securitisation Standardised Approach
SFT	Securities or Commodities Financing Transaction
SGD	Singapore Dollar
TEP	Total Eligible Provisions