



星展銀行（香港）有限公司
DBS BANK (HONG KONG) LIMITED

(Incorporated in Hong Kong with limited liability)

REGULATORY DISCLOSURE STATEMENTS
For the year ended 31 December 2019

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

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1 INTRODUCTION

The information contained in this document is for DBS Bank (Hong Kong) Limited (“the Bank”) and its subsidiaries (“the Group”) and is prepared in accordance with the Banking (Disclosure) Rules and disclosure templates issued by the Hong Kong Monetary Authority (“HKMA”).

Basis of preparation

For regulatory reporting purposes, the Bank computes key regulatory ratios and disclosures on a combined basis including the Bank and its overseas branch, unless otherwise specified.

For the purposes of calculating the risk-weighted assets (“RWA”), the Bank uses the Internal Ratings-Based (“IRB”) approach for the calculation of the RWA for the majority of its credit risk exposures and the Standardized approach for those exempted from the IRB approach. The Bank uses the Standardized approaches for the calculation of RWA for market risk and operational risk.

The numbers in this document are expressed in millions of Hong Kong dollars, unless otherwise stated.

2 SCOPE OF CONSOLIDATION

Except where indicated otherwise, the financial information contained in this document has been prepared on a consolidated basis. For regulatory reporting purposes, the Bank computes key regulatory ratios on a combined basis including the Bank and its overseas branch that is different from the basis of consolidation for accounting purposes.

The following entities are within the Group’s accounting scope of consolidation but are excluded from its regulatory scope of consolidation.

Name of entity	Principal activities	Total Assets In HK\$ millions	Total Equity In HK\$ millions
Dao Heng Finance Limited	Inactive	62	61
Hang Lung Bank (Nominee) Limited	Inactive	–	–
DBS Kwong On (Nominees) Limited	Inactive	–	–
Overseas Trust Bank Nominees Limited	Inactive	–	–
Ting Hong Nominees Limited	Provision of nominee, trustee and agency services	–	–
DBS Trustee (Hong Kong) Limited	Inactive	5	5
DBS COMPASS Limited	Inactive	8	8

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3 RISK MANAGEMENT APPROACH

In executing our strategic priorities and business opportunities, the Group is faced with economic, financial and other types of risk. These risks are interdependent and require a holistic approach to risk management. Very broadly, these risks can be aligned around the following key risk categories:

- (i) Credit
- (ii) Market
- (iii) Liquidity
- (iv) Operational
- (v) Reputational
- (vi) Business and Strategic

These key risks are explained in further details in Sections 10-14.

The Board oversees the Group's affairs and provides sound leadership for the CEO and management. Authorised by the Board, various Board committees oversee specific responsibilities based on clearly defined terms of references.

Under our risk management approaches, the Board, through the Board Risk Management Committee ("BRMC"), sets our risk appetite, oversees the establishment of enterprise-wide risk management policies and processes, and sets risk limits to guide the Group's risk-taking. The BRMC also oversees the identification, monitoring, management and reporting of credit, market, liquidity, operational and reputational risks.

To facilitate the BRMC's risk oversight, the following risk management committees have been established:

Risk Management Committees

HK Risk Executive Committee ("Risk ExCo")	As the overall executive body regarding risk matters, the Risk ExCo oversees DBS' risk management as a whole.
HK Risk Culture and Conduct Committee ("RCCC")	RCCC provides oversight and direction relating to the management and implementation of risk culture and conduct agenda.
HK Product Oversight Committee ("POC")	POC reports to the Risk ExCo and oversees the risks associated with new or changed products and services to ensure these are offered in line with the Bank's strategy and risk appetite, in the interest of protecting the bank's franchise.
HK Credit Risk Committee ("HK CRC") HK Market and Liquidity Risk Committee ("HK MLRC") HK Operational Risk Committee ("HK ORC")	<p>Each of the committees reports to the Risk ExCo, and the committees as a whole serve as an executive forum to discuss and implement DBS' risk management.</p> <p>Key responsibilities:</p> <ul style="list-style-type: none">• Assess and approve risk-taking activities• Oversee the Group's risk management infrastructure, which includes frameworks, decision criteria, authorities, people, policies, standards, processes, information and systems• Approve risk policies, the evaluation and endorsement of risk models and stress testing programmes• Assess and monitor specific credit concentration• Recommend stress testing scenarios (including macroeconomic variable projections) and review the results <p>The members in these committees comprise representatives from the Risk Management Group ("RMG") as well as key business and support units.</p>

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3 RISK MANAGEMENT APPROACH (continued)

Our risk appetite takes into account a spectrum of risk types, and it is implemented using thresholds, policies, processes and controls.

Threshold structures are essential in making the Group's Risk Appetite an intrinsic part of our businesses, because they help to keep all our risks within acceptable levels. Portfolio risk limits for the quantifiable risk types reach all parts of the Group from the top down, and these are implemented using formal frameworks. As for the non-quantifiable risk types, these are controlled under qualitative principles through established policies.

We manage these risks by diversifying our risk across industries and individual exposures. In addition, the Group relies on specialist knowledge of our regional markets and industry segments to effectively assess our risks.

The Group has three lines of defense when it comes to risk taking where each line of defense has a clear responsibility. Our business and support units are our first line of defence. Their responsibilities include the identification and management of risks arising from and relating to their respective areas of responsibilities and ensuring that our operations remain within approved boundaries of our risk appetite and policies.

Risk Management Group, Legal and Compliance and parts of Technology & Operations and Finance form the second line of defence. They are responsible for the development and maintenance of risk management policies and processes and they provide objective review and challenge on the activities undertaken by business and support units.

Group Audit forms the third line of defense. It provides an independent assessment and assurance on the reliability, adequacy and effectiveness of our system of internal controls, risk management procedures, governance framework and processes.

The Group believes that effective safeguards against undesired business conduct have to go beyond a "tick-the-box" mentality. Other than relying on published codes of conduct, the Group also advocates the following organisational safeguards to maintain a strong risk and governance culture:

- Tone from the top
- Aligning strategies and incentives via balanced scorecard. Performance is assessed against the scorecard to determine remuneration, providing a clear line of sight between employee goals and organisational imperatives.
- Respecting voice of control functions
- Risk ownership
- Having established escalation protocols
- Encouraging constructive challenges at all level
- Reinforcing cultural alignment

In addition to cultivating a strong risk and governance culture, robust internal control processes and systems have been designed and implemented to support the respective risk management approaches. These are reviewed regularly by the respective risk units to assess and ensure their effectiveness.

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3 RISK MANAGEMENT APPROACH (continued)

Risk management reports including exposure and position information for all significant risk areas are provided to the BRMC and management on a regular basis, as deemed appropriate. The Group, through various committees, determines the risk reporting requirements that best suit the business.

This includes the following:

- i. risk exposures and profile against risk limits and risk strategy
- ii. large risk events and subsequent remedial action plans
- iii. market developments such as macro-economic, credit, industry, country risks, emerging risk concentrations and stress tests related to these developments.

Stress testing is an integral part of our risk management process, and includes both sensitivity analysis and scenario analysis and is conducted regularly. In particular, the ICAAP (a group-wide exercise spanning risk types) is performed annually. On top of this, additional stress tests are carried out in response to macroeconomic conditions or portfolio developments. Every stress test is documented and the results are reviewed by the relevant senior management committee.

Stress testing alerts the management to our potential vulnerability to exceptional but plausible adverse events. As such, stress testing enables us to assess capital adequacy and identify potentially risky portfolio segments as well as inherent systematic risks. This then allows us to develop the right contingency plans, exit strategies and mitigating actions beforehand.

The ICAAP ensures our business plans are consistent with our risk appetite. This is done by comparing the projected demand for capital to the projected supply of capital under various scenarios, including severe macroeconomic stress.

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4 KEY PRUDENTIAL RATIOS

The following table provides an overview of the Bank's key prudential ratios which were calculated in accordance with the following Rules, where relevant, issued by the HKMA.

- Banking (Capital) Rules ("BCR")
- Banking (Liquidity) Rules ("BLR")

In HK\$ millions		As at 31 December 2019	As at 30 September 2019	As at 30 June 2019	As at 31 March 2019	As at 31 December 2018
	Regulatory Capital (amount)					
1	Common Equity Tier 1 (CET1)	36,514	37,267	38,338	36,870	35,414
2	Tier 1	37,914	38,667	39,738	38,270	36,814
3	Total Capital	42,435	43,193	44,245	42,800	41,348
	RWA (amount)					
4	Total RWA	230,076	229,643	232,278	229,711	233,890
	Risk-based regulatory capital ratios (as a percentage of RWA)					
5	CET1 ratio (%)	15.9	16.2	16.5	16.1	15.1
6	Tier 1 ratio (%)	16.5	16.8	17.1	16.7	15.7
7	Total Capital ratio (%)	18.4	18.8	19.0	18.6	17.7
	Additional CET1 buffer requirements (as a percentage of RWA)					
8	Capital conservation buffer requirement (%)	2.500	2.500	2.500	2.500	1.875
9	Countercyclical capital buffer requirement (%)	1.787	2.216	2.215	2.205	1.647
10	Higher loss absorbency requirements (%) (applicable only to G-SIBs or D-SIBs)	0.0	0.0	0.0	0.0	0.0
11	Total AI-specific CET1 buffer requirements (%)	4.287	4.716	4.715	4.705	3.522
12	CET1 available after meeting the AI's minimum capital requirements (%)	10.4	10.8	11.0	10.6	9.7
	Basel III Leverage ratio					
13	Total Leverage ratio (LR) exposure measure	466,133	478,772	477,309	465,040	467,500
14	LR (%)	8.1	8.1	8.3	8.2	7.9
	Liquidity Coverage Ratio (LCR)/Liquidity Maintenance Ratio (LMR)					
	Applicable to category 1 institution only:					
15	Total high quality liquid assets (HQLA)	37,721	40,260	36,032	34,697	36,290
16	Total net cash outflows	24,381	24,103	22,694	22,684	23,425
17	LCR (%)	155.0	167.3	158.8	153.3	155.0
	Applicable to category 2 institution only:					
17a	LMR (%)	NA	NA	NA	NA	NA
	Net Stable Funding Ratio (NSFR)/Core Funding Ratio (CFR)					
	Applicable to category 1 institution only:					
18	Total available stable funding	302,421	304,297	300,180	300,654	297,606
19	Total required stable funding	263,984	260,167	262,198	252,410	250,568
20	NSFR (%)	114.6	117.0	114.5	119.1	118.8
	Applicable to category 2A institution only:					
20a	CFR (%)	NA	NA	NA	NA	NA

Commentaries for the quarter explaining significant changes in the above ratios, if any, have been included in subsequent sections of this document.

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5 OVERVIEW OF RISK-WEIGHTED ASSETS

The following table sets out the Bank's risk-weighted assets ("RWA") and the corresponding minimum capital requirements by risk types.

In HK\$ millions		RWA		Minimum capital requirements ¹¹
		As at 31 December 2019	As at 30 September 2019	As at 31 December 2019
1	Credit risk for non-securitization exposures	197,837	197,568	16,643
2	<i>Of which STC approach</i>	27,766	26,165	2,221
2a	<i>Of which BSC approach</i>	–	–	–
3	<i>Of which foundation IRB approach</i>	165,422	166,575	14,028
4	<i>Of which supervisory slotting criteria approach</i>	4,649	4,828	394
5	<i>Of which advanced IRB approach</i>	–	–	–
6	Counterparty default risk and default fund contributions	916	1,021	76
7	<i>Of which SA-CCR</i>	NA	NA	NA
7a	<i>Of which CEM</i>	916	1,021	76
8	<i>Of which IMM(CCR) approach</i>	–	–	–
9	<i>Of which others</i>	–	–	–
10	CVA Risk	590	643	47
11	Equity positions in banking book under the simple risk-weight method and internal models method	–	–	–
12	Collective investment scheme ("CIS") exposures – LTA	NA	NA	NA
13	CIS exposures – MBA	NA	NA	NA
14	CIS exposures – FBA	NA	NA	NA
14a	CIS exposures – combination of approaches	NA	NA	NA
15	Settlement Risk	–	–	–
16	Securitization exposures in banking book	–	–	–
17	<i>Of which SEC - IRBA</i>	–	–	–
18	<i>Of which SEC - ERBA (including IAA)</i>	–	–	–
19	<i>Of which SEC – SA</i>	–	–	–
19a	<i>Of which SEC – FBA</i>	–	–	–
20	Market risk	1,064	1,244	85
21	<i>Of which STM approach</i>	1,064	1,244	85
22	<i>Of which IMM approach</i>	–	–	–
23	Capital charge for switch between exposures in trading book and banking book (not applicable before the revised market risk framework takes effect)	NA	NA	NA

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5 OVERVIEW OF RISK-WEIGHTED ASSETS (continued)

In HK\$ millions		RWA		Minimum capital requirements ^{1/}
		As at 31 December 2019	As at 30 September 2019	As at 31 December 2019
24	Operational risk	19,325	18,741	1,546
24a	Sovereign concentration risk	–	–	–
25	Amounts below the thresholds for deduction (subject to 250% RW)	113	113	9
26	Capital floor adjustment	–	–	–
26a	Deduction to RWA	–	–	–
26b	<i>Of which portion of regulatory reserve for general banking risks and collective provisions which is not included in Tier 2 Capital</i>	–	–	–
26c	<i>Of which portion of cumulative fair value gains arising from the revaluation of land and buildings which is not included in Tier 2 Capital</i>	–	–	–
27	Total	219,845	219,330	18,406

1/ Minimum capital requirements correspond to 8% of the RWA, after applicable scaling factor of 1.06 for exposures measured under the IRB approach.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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6 LINKAGES BETWEEN FINANCIAL STATEMENTS AND REGULATORY EXPOSURES

6.1 Differences between Accounting and Regulatory Scopes of Consolidation and Mapping of Financial Statement Categories with Regulatory Risk Categories

The following table shows the differences between the carrying values as reported in the Group's financial statements following the scope of accounting consolidation and the carrying values under the scope of regulatory consolidation, with a breakdown into regulatory risk categories of every items of assets and liabilities reported in financial statements based on the scope of accounting consolidation. The amounts disclosed under column (c) to (g) below can be more than amounts disclosed in column (b) as derivatives can be subject to regulatory capital charges for credit risk, counterparty credit risk and market risk.

In HK\$ millions	As at 31 December 2019						
	a	b	c	d	e	f	g
	Carrying values as reported in published financial statements	Carrying values under scope of regulatory consolidation	Carrying values of items:				
subject to credit risk framework			subject to counterparty credit risk framework	subject to the securitization framework	subject to the market risk framework		
Assets							
Cash and balances with central banks	2,789	2,789	2,789	-	-	-	-
Government securities and treasury bills	30,949	30,949	28,824	-	-	2,125	-
Due from banks	236,511	236,511	236,511	-	-	-	-
Derivatives	633	633	-	620	-	354	16
Bank and corporate securities	9,544	9,544	9,542	-	-	2	-
Loans and advances to customers	155,128	155,128	155,128	-	-	-	-
Other assets	6,552	6,552	4,909	-	-	-	1,643
Subsidiaries	-	53	53	-	-	-	-
Properties and other fixed assets	4,423	4,423	4,423	-	-	-	-
Goodwill	168	-	-	-	-	-	-
Total assets	446,697	446,582	442,179	620	-	2,481	1,659
Liabilities							
Due to banks	5,810	5,810	-	-	-	-	5,810
Deposits and balances from customers	374,100	374,115	-	-	-	-	374,115
Derivatives	566	566	-	378	-	389	188
Certificates of deposit issued	6,358	6,358	-	-	-	-	6,358
Other liabilities	16,633	16,633	-	-	-	541	16,092
Amounts due to subsidiaries	-	68	-	-	-	-	68
Subordinated liability	4,203	4,203	-	-	-	-	4,203
Total liabilities	407,670	407,753	-	378	-	930	406,834

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6 LINKAGES BETWEEN FINANCIAL STATEMENTS AND REGULATORY EXPOSURES (continued)

6.2 Main Sources of Differences between Regulatory Exposure Amounts and Carrying Values in Financial statements

The following table provides information on the main sources of differences between regulatory exposure amounts and carrying amounts in the financial statement.

In HK\$ millions		As at 31 December 2019				
		Total	Items subject to:			
			credit risk framework	securitization framework	counterparty credit risk framework	market risk framework
1	Assets carrying value amount under scope of regulatory consolidation	444,923	442,179	–	620	2,481
2	Liabilities carrying value amount under regulatory scope of consolidation	919	–	–	378	930
3	Total net amount under regulatory scope of consolidation	444,004	442,179	–	242	1,551
4	Off-balance sheet amounts	175,621	45,225	–	–	–
5	Differences due to netting and potential future exposures for derivatives	1,745	–	–	1,745	–
6	Differences due to allowances ^{1/}	2,662	2,662	–	–	–
7	Other differences	(9,507)	(9,507)	–	–	–
8	Exposure amounts considered for regulatory purposes	614,525	480,559	–	1,987	1,551

Explanations of differences between accounting and regulatory exposure amounts

The key differences between regulatory exposure amounts and accounting carrying values under the regulatory scope of consolidation are:

- (i) Off-balance sheet amounts: Off-balance sheet amounts include contingent liabilities and undrawn portions of committed facilities after application of credit conversion factors;
- (ii) Differences due to netting and potential future exposures for derivatives: Derivative regulatory exposures are netted (where an enforceable master netting agreement is in place) and also include potential future exposures;
- (iii) Differences due to allowances^{1/}: The carrying values of assets in the financial statement are net of allowances. However, regulatory exposures under IRB approach are gross of all allowances, while those under STD approach are net of specific allowances; and
- (iv) Other differences: These mainly include differences arising from the recognition of credit risk mitigation.

^{1/} Allowances refer to specific allowances (Expected Credit Loss Stage 3) and general allowances (Expected Credit Loss Stage 1 and 2)

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6 LINKAGES BETWEEN FINANCIAL STATEMENTS AND REGULATORY EXPOSURES (continued)

6.3 Prudent Valuation Adjustments

The following table provides a breakdown of the elements of prudent valuation adjustments.

In HK\$ millions		As at 31 December 2019							
		Equity	Interest rates	FX	Credit	Commodities	Total	Of which: In the trading book	Of which: In the banking book
1	Close-out uncertainty, of which:	-	-	-	1	-	1	-	1
2	Mid-market value	-	-	-	-	-	-	-	-
3	Close out costs	-	-	-	-	-	-	-	-
4	Concentration	-	-	-	1	-	1	-	1
5	Early termination	-	-	-	-	-	-	-	-
6	Model risk	-	-	-	-	-	-	-	-
7	Operational risks	-	-	-	-	-	-	-	-
8	Investing and funding costs	-	-	-	-	-	-	-	-
9	Unearned credit spreads	-	-	-	-	-	-	-	-
10	Future administrative costs	-	-	-	-	-	-	-	-
11	Other adjustments	-	-	-	-	-	-	-	-
12	Total adjustments	-	-	-	1	-	1	-	1

Section 4A of the Banking (Capital) Rules sets out the requirements for valuing financial instruments that are accounted for at fair value, regardless of whether these are booked in the trading or banking book, for the purpose of determining capital requirements. Banks are required to apply prudence and make appropriate adjustments, taking into account valuation uncertainties. Valuation adjustments taken in addition to that which has been incorporated into the financial statements are known as prudent valuation adjustments ("PVA"). PVA is deducted from CET1 capital.

The Group maintains policies, systems and controls for the calculation of valuation adjustments, including PVA. The Group's PVA methodology addresses fair value uncertainties arising from the following factors (where relevant): concentrated positions, unearned credit spreads, close out costs, operational risks, early termination costs, investing and funding costs, future administrative costs and model risk.

Please refer to Note 30 Fair Value of Financial Instruments of the financial statements for details of valuation process of the Group.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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7 COMPOSITION OF REGULATORY CAPITAL

7.1 Composition of Regulatory Capital

As at 31 December 2019		Component of regulatory capital in HK\$ millions	Cross-referenced to Section 7.2 Source based on reference numbers of the balance sheet under the regulatory scope of consolidation
CET1 capital: instruments and reserves			
1	Directly issued qualifying CET1 capital instruments plus any related share premium	7,595	(5)
2	Retained earnings	27,211	(7)
3	Disclosed reserves	2,623	(8)
4	<i>Directly issued capital subject to phase-out arrangements from CET1 (only applicable to non-joint stock companies)</i>	NA	NA
5	Minority interests arising from CET1 capital instruments issued by consolidated bank subsidiaries and held by third parties (amount allowed in CET1 capital of the consolidation group)	–	
6	CET1 capital before regulatory deductions	37,429	
CET1 capital: regulatory deductions			
7	Valuation adjustments	1	
8	Goodwill (net of associated deferred tax liabilities)	–	
9	Other intangible assets (net of associated deferred tax liabilities)	–	
10	Deferred tax assets (net of associated deferred tax liabilities)	183	(3)
11	Cash flow hedge reserve	203	(11)
12	Excess of total EL amount over total eligible provisions under the IRB approach	299	(2)
13	Credit-enhancing interest-only strip, and any gain-on-sale and other increase in the CET1 capital arising from securitization transactions	–	
14	Gains and losses due to changes in own credit risk on fair valued liabilities	–	
15	Defined benefit pension fund net assets (net of associated deferred tax liabilities)	–	
16	Investments in own CET1 capital instruments (if not already netted off paid-in capital on reported balance sheet)	–	
17	Reciprocal cross-holdings in CET1 capital instruments	–	
18	Insignificant LAC investments in CET1 capital instruments issued by financial sector entities that are outside the scope of regulatory consolidation (amount above 10% threshold)	–	
19	Significant LAC investments in CET1 capital instruments issued by financial sector entities that are outside the scope of regulatory consolidation (amount above 10% threshold)	–	

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7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.1 Composition of Regulatory Capital (continued)

As at 31 December 2019		Component of regulatory capital in HK\$ millions	Cross-referenced to Section 7.2 Source based on reference numbers of the balance sheet under the regulatory scope of consolidation
20	Mortgage servicing rights (net of associated deferred tax liabilities)	NA	NA
21	Deferred tax assets arising from temporary differences (net of associated deferred tax liabilities)	NA	NA
22	Amount exceeding the 15% threshold	NA	NA
23	of which: significant investments in the ordinary share of financial sector entities	NA	NA
24	of which: mortgage servicing rights	NA	NA
25	of which: deferred tax assets arising from temporary differences	NA	NA
26	National specific regulatory adjustments applied to CET1 capital	229	
26a	Cumulative fair value gains arising from the revaluation of land and buildings (own-use and investment properties)	–	
26b	Regulatory reserve for general banking risks	229	(9)
26c	Securitization exposures specified in a notice given by the MA	–	
26d	Cumulative losses below depreciated cost arising from the institution's holdings of land and buildings	–	
26e	Capital shortfall of regulated non-bank subsidiaries	–	
26f	Capital investment in a connected company which is a commercial entity (amount above 15% of the reporting institution's capital base)	–	
27	Regulatory deductions applied to CET1 capital due to insufficient AT1 capital and Tier 2 capital to cover deductions	–	
28	Total regulatory deductions to CET1 capital	915	
29	CET1 capital	36,514	
AT1 capital: instruments			
30	Qualifying AT1 capital instruments plus any related share premium	1,400	
31	of which: classified as equity under applicable accounting standards	1,400	(6)
32	of which: classified as liabilities under applicable accounting standards	–	
33	<i>Capital instruments subject to phase-out arrangements from AT1 capital</i>	–	

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.1 Composition of Regulatory Capital (continued)

As at 31 December 2019		Component of regulatory capital in HK\$ millions	Cross-referenced to Section 7.2 Source based on reference numbers of the balance sheet under the regulatory scope of consolidation
34	AT1 capital instruments issued by consolidated bank subsidiaries and held by third parties (amount allowed in AT1 capital of the consolidation group)	–	
35	of which: AT1 capital instruments issued by subsidiaries subject to phase-out arrangements	–	
36	AT1 capital before regulatory deductions	1,400	
AT1 capital: regulatory deductions			
37	Investments in own AT1 capital instruments	–	
38	Reciprocal cross-holdings in AT1 capital instruments	–	
39	Insignificant LAC investments in AT1 capital instruments issued by financial sector entities that are outside the scope of regulatory consolidation (amount above 10% threshold)	–	
40	Significant LAC investments in AT1 capital instruments issued by financial sector entities that are outside the scope of regulatory consolidation	–	
41	National specific regulatory adjustments applied to AT1 capital	–	
42	Regulatory deductions applied to AT1 capital due to insufficient Tier 2 capital to cover deductions	–	
43	Total regulatory deductions to AT1 capital	–	
44	AT1 capital	1,400	
45	Tier 1 capital (T1 = CET1 + AT1)	37,914	
Tier 2 capital: instruments and provisions			
46	Qualifying Tier 2 capital instruments plus any related share premium	4,203	(4)
47	<i>Capital instruments subject to phase-out arrangements from Tier 2 capital</i>	–	
48	Tier 2 capital instruments issued by consolidated bank subsidiaries and held by third parties (amount allowed in Tier 2 capital of the consolidation group)	–	
49	<i>of which: capital instruments issued by subsidiaries subject to phase-out arrangements</i>	–	
50	Collective provisions and regulatory reserve for general banking risks eligible for inclusion in Tier 2 capital	318	(10)-(1)
51	Tier 2 capital before regulatory deductions	4,521	
Tier 2 capital: regulatory deductions			
52	Investments in own Tier 2 capital instruments	–	

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.1 Composition of Regulatory Capital (continued)

As at 31 December 2019		Component of regulatory capital in HK\$ millions	Cross-referenced to Section 7.2 Source based on reference numbers of the balance sheet under the regulatory scope of consolidation
53	Reciprocal cross-holdings in Tier 2 capital instruments and non-capital LAC liabilities	–	
54	Insignificant LAC investments in Tier 2 capital instruments issued by, and non-capital LAC liabilities of, financial sector entities that are outside the scope of regulatory consolidation (amount above 10% threshold and, where applicable, 5% threshold)	–	
54a	Insignificant LAC investments in non-capital LAC liabilities of financial sector entities that are outside the scope of regulatory consolidation (amount formerly designated for the 5% threshold but no longer meets the conditions) (for institutions defined as “section 2 institution” under §2(1) of Schedule 4F to BCR only)	–	
55	Significant LAC investments in Tier 2 capital instruments issued by financial sector entities that are outside the scope of regulatory consolidation (net of eligible short positions)	–	
55a	Significant LAC investments in non-capital LAC liabilities of financial sector entities that are outside the scope of regulatory consolidation (net of eligible short positions)	–	
56	National specific regulatory adjustments applied to Tier 2 capital	–	
56a	Add back of cumulative fair value gains arising from the revaluation of land and buildings (own-use and investment properties) eligible for inclusion in Tier 2 capital	–	
56b	Regulatory deductions applied to Tier 2 capital to cover the required deductions falling within §48(1)(g) of BCR	–	
57	Total regulatory adjustments to Tier 2 capital	–	
58	Tier 2 capital (T2)	4,521	
59	Total regulatory capital (TC = T1 + T2)	42,435	
60	Total RWA	230,076	
Capital ratios (as a percentage of RWA)			
61	CET1 capital ratio	15.9%	
62	Tier 1 capital ratio	16.5%	
63	Total capital ratio	18.4%	
64	Institution-specific buffer requirement (capital conservation buffer plus countercyclical capital buffer plus higher loss absorbency requirements)	4.287%	
65	of which: capital conservation buffer requirement	2.5%	

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REGULATORY DISCLOSURES

7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.1 Composition of Regulatory Capital (continued)

As at 31 December 2019		Component of regulatory capital in HK\$ millions	Cross-referenced to Section 7.2 Source based on reference numbers of the balance sheet under the regulatory scope of consolidation
66	of which: bank specific countercyclical capital buffer requirement	1.787%	
67	of which: higher loss absorbency requirement	0.0%	
68	CET1 (as a percentage of RWA) available after meeting minimum capital requirements	10.4%	
National minima (if different from Basel 3 minimum)			
69	National CET1 minimum ratio	NA	NA
70	National Tier 1 minimum ratio	NA	NA
71	National Total capital minimum ratio	NA	NA
Amounts below the thresholds for deduction (before risk weighting)			
72	Insignificant LAC investments in CET1, AT1 and Tier 2 capital instruments issued by, and non-capital LAC liabilities of, financial sector entities that are outside the scope of regulatory consolidation	1,280	
73	Significant LAC investments in CET1 capital instruments issued by financial sector entities that are outside the scope of regulatory consolidation	45	
74	Mortgage servicing rights (net of associated deferred tax liabilities)	NA	NA
75	Deferred tax assets arising from temporary differences (net of associated deferred tax liabilities)	NA	NA
Applicable caps on the inclusion of provisions in Tier 2 capital			
76	Provisions eligible for inclusion in Tier 2 in respect of exposures subject to the BSC approach, or the STC approach and SEC-ERBA, SEC-SA and SEC-FBA (prior to application of cap)	318	
77	Cap on inclusion of provisions in Tier 2 under the BSC approach, or the STC approach, and SEC-ERBA, SEC-SA and SEC-FBA	355	
78	Provisions eligible for inclusion in Tier 2 in respect of exposures subject to the IRB approach and SEC-IRBA (prior to application of cap)	–	
79	Cap for inclusion of provisions in Tier 2 under the IRB approach and SEC-IRBA	1,084	

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REGULATORY DISCLOSURES

7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.1 Composition of Regulatory Capital (continued)

As at 31 December 2019		Component of regulatory capital in HK\$ millions	Cross-referenced to Section 7.2 Source based on reference numbers of the balance sheet under the regulatory scope of consolidation
Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2018 and 1 Jan 2022)			
80	Current cap on CET1 capital instruments subject to phase-out arrangements	NA	NA
81	Amount excluded from CET1 due to cap (excess over cap after redemptions and maturities)	NA	NA
82	Current cap on AT1 capital instruments subject to phase-out arrangements	–	
83	Amount excluded from AT1 capital due to cap (excess over cap after redemptions and maturities)	–	
84	Current cap on Tier 2 capital instruments subject to phase-out arrangements	–	
85	Amount excluded from Tier 2 capital due to cap (excess over cap after redemptions and maturities)	–	

Note to the template

Elements where a more conservative definition has been applied in the BCR relative to that set out in Basel III capital standards are disclosed below:

Row No.	Description	Hong Kong basis HK\$M	Basel III basis HK\$M
	Deferred tax assets (net of associated deferred tax liabilities)	183	–
10	<p><u>Explanation</u></p> <p>As set out in paragraphs 69 and 87 of the Basel III text issued by the Basel Committee (December 2010), DTAs of the bank to be realized are to be deducted, whereas DTAs which relate to temporary differences may be given limited recognition in CET1 capital (and hence be excluded from deduction from CET1 capital up to the specified threshold). In Hong Kong, an AI is required to deduct all DTAs in full, irrespective of their origin, from CET1 capital. Therefore, the amount to be deducted as reported in row 10 may be greater than that required under Basel III. The amount reported under the column “Basel III basis” in this box represents the amount reported in row 10 (i.e. the amount reported under the “Hong Kong basis”) adjusted by reducing the amount of DTAs to be deducted which relate to temporary differences to the extent not in excess of the 10% threshold set for DTAs arising from temporary differences and the aggregate 15% threshold set for MSR, DTAs arising from temporary differences and significant investments in CET1 capital instruments issued by financial sector entities (excluding those that are loans, facilities or other credit exposures to connected companies) under Basel III.</p>		

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.2 Reconciliation of Regulatory Capital to Balance Sheet

In HK\$ millions	Balance sheet as in published financial statements As at 31 December 2019	Under regulatory scope of consolidation As at 31 December 2019	Cross- referenced to the component of regulatory capital in Section 7.1
Assets			
Cash and balances with central banks	2,789	2,789	
Government securities and treasury bills	30,949	30,949	
Due from banks	236,511	236,511	
Derivatives	633	633	
Bank and corporate securities	9,544	9,544	
Loans and advances to customers	155,128	155,128	
<i>of which: Allowances eligible for inclusion in Tier 2 capital</i>		(287)	(1)
<i>Excess of total expected loss amount over total eligible provision under the IRB approach</i>		(299)	(2)
Other assets	6,552	6,552	
<i>of which: Deferred tax assets</i>		183	(3)
Subsidiaries	–	53	
Properties and other fixed assets	4,423	4,423	
Goodwill	168	–	
Total assets	446,697	446,582	
Liabilities			
Due to banks	5,810	5,810	
Deposits and balances from customers	374,100	374,115	
Derivatives	566	566	
Certificates of deposit issued	6,358	6,358	
Other liabilities	16,633	16,633	
Amount due to subsidiaries	–	68	
Subordinated liability	4,203	4,203	(4)
Total liabilities	407,670	407,753	
Equity			
<i>Ordinary shares</i>		7,595	(5)
<i>Preference shares</i>		1,400	(6)
Share capital	8,995	8,995	
<i>Retained earnings</i>		27,211	(7)
<i>Other reserves</i>		2,623	(8)
Reserves	30,032	29,834	
<i>of which: Retained earnings earmarked as regulatory reserve</i>		229	(9)
<i>which includes regulatory reserve eligible for inclusion in Tier 2 Capital</i>		31	(10)
<i>of which: Cash flow hedge reserves</i>		203	(11)
Total equity	39,027	38,829	
Total liabilities and equity	446,697	446,582	

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.3 Main Features of Regulatory Capital Instruments

		CET 1 Capital Ordinary Shares	Additional Tier 1 Capital HK\$1.4b Preference Shares issued in October 2016	Tier 2 Capital US\$540m Subordinated Loan issued in December 2017
1	Issuer	DBS Bank (Hong Kong) Limited	DBS Bank (Hong Kong) Limited	DBS Bank (Hong Kong) Limited
2	Unique identifier (eg CUSIP, ISIN or Bloomberg identifier for private placement)	NA	NA	NA
3	Governing law(s) of the instrument	Hong Kong law	Hong Kong Law	Hong Kong law
<i>Regulatory treatment</i>				
4	Transitional Basel III rules	Common Equity Tier 1	Additional Tier 1	Tier 2
5	Post-transitional Basel III rules	Common Equity Tier 1	Additional Tier 1	Tier 2
6	Eligible at solo/group/group & solo	Solo	Solo	Solo
7	Instrument type	Ordinary Shares	Preference Shares	Subordinated loan
8	Amount recognized in regulatory capital (currency in millions, as of most recent reporting date)	HK\$7,595 million	HK\$1,400 million	HK\$4,203 million
9	Par value of instrument	NA	HK\$1,400 million	US\$540 million
10	Accounting classification	Shareholders' equity	Shareholders' equity	Liability – amortized cost
11	Original date of issuance	Various dates	13 October 2016	13 December 2017
12	Perpetual or dated	Perpetual	Perpetual	Dated
13	Original maturity date	No maturity	No maturity	13 December 2027
14	Issuer call subject to prior supervisory approval	No	Yes	Yes
15	Optional call date, contingent call dates and redemption amount	NA	First optional call date: 13 October 2021 Contingent call dates: Change of Qualification Event, or Tax event Redemption amount: Liquidation Preference together with, subject to certain limitations and qualifications, accrued but unpaid Dividends	First optional call date: 13 December 2022 Contingent call dates: Change of Qualification Event or Tax Event Redemption amount: Principal amount together with accrued and unpaid interest

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.3 Main Features of Regulatory Capital Instruments (continued)

		CET 1 Capital Ordinary Shares	Additional Tier 1 Capital HK\$1.4b Preference Shares issued in October 2016	Tier 2 Capital US\$540m Subordinated Loan issued in December 2017
16	Subsequent call dates, if applicable	NA	Optional call dates – any date after 13 October 2021	Optional call dates – any date after 13 December 2022
<i>Coupons / dividends</i>				
17	Fixed or floating dividend/coupon	Discretionary dividend amount	Fixed	Floating
18	Coupon rate and any related index	NA	3.9% per annum	USD 3-month LIBOR plus 1.62% per annum
19	Existence of a dividend stopper	NA	No	No
20	Fully discretionary, partially discretionary or mandatory	Fully discretionary	Fully discretionary	Mandatory
21	Existence of step-up or other incentive to redeem	No	No	No
22	Non-cumulative or cumulative	Non-cumulative	Non-cumulative	Non-cumulative
23	Convertible or non- convertible	Non-convertible	Convertible	Non-convertible

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.3 Main Features of Regulatory Capital Instruments (continued)

		CET 1 Capital Ordinary Shares	Additional Tier 1 Capital HK\$1.4b Preference Shares issued in October 2016	Tier 2 Capital US\$540m Subordinated Loan issued in December 2017
24	If convertible, conversion trigger(s)	NA	The Preference shares would be converted into ordinary shares of the Bank upon the occurrence of the trigger event. Trigger event is the earlier of: (i) The HKMA notifying the Bank in writing that it is of the opinion that a conversion is necessary, without which the Bank would become non-viable, or (ii) The HKMA notifying the Bank in writing that a decision has been made by the government body, a government officer or other relevant regulatory body with the authority to make such a decision, that a public sector injection of capital or equivalent support is necessary, without which the Bank would become non-viable.	NA
25	If convertible, fully or partially	NA	Fully or partially	NA
26	If convertible, conversion rate	NA	Conversion price is the net tangible assets per ordinary share at the latest month end prior to conversion, floored at HK\$1 per ordinary share	NA
27	If convertible, mandatory or optional conversion	NA	Mandatory	NA
28	If convertible, specify instrument type convertible into	NA	Common Equity Tier 1	NA

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.3 Main Features of Regulatory Capital Instruments (continued)

		CET 1 Capital Ordinary Shares	Additional Tier 1 Capital HK\$1.4b Preference Shares issued in October 2016	Tier 2 Capital US\$540m Subordinated Loan issued in December 2017
29	If convertible, specify issuer of instrument it converts into	NA	DBS Bank (Hong Kong) Limited	NA
30	Write-down feature	No	No	Yes
31	If write-down, write-down trigger(s)	NA	NA	Trigger event is the earlier of: (i) The HKMA notifying the Bank in writing that it is of the opinion that a write-off is necessary, without which the Bank would become non-viable, or (ii) The HKMA notifying the Bank in writing that a decision has been made by the government body, a government officer or other relevant regulatory body with the authority to make such a decision, that a public sector injection of capital or equivalent support is necessary, without which the Bank would become non-viable.
32	If write-down, full or partial	NA	NA	Fully or Partially
33	If write-down, permanent or temporary	NA	NA	Permanent
34	If temporary write-down, description of write-up mechanism	NA	NA	NA

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

7 COMPOSITION OF REGULATORY CAPITAL (continued)

7.3 Main Features of Regulatory Capital Instruments (continued)

		CET 1 Capital Ordinary Shares	Additional Tier 1 Capital HK\$1.4b Preference Shares issued in October 2016	Tier 2 Capital US\$540m Subordinated Loan issued in December 2017
35	Position in subordination hierarchy in liquidation (specify instrument type immediately senior to instrument in the insolvency creditor hierarchy of the legal entity concerned)	Immediately subordinated to Additional Tier 1 capital instruments	Immediately subordinated to Tier 2 capital instruments	Immediately subordinated to senior creditors
36	Non-compliant transitioned features	No	No	No
37	If yes, specify non-compliant features	NA	NA	NA

Terms and conditions – Ordinary Shares Terms and conditions – Preference Shares Terms and conditions – Subordinated Loan

<https://www.dbs.com/iwov-resources/pdf/hongkong/tnc-ordinary-shares.pdf>

<https://www.dbs.com/iwov-resources/pdf/hongkong/tnc-preference-shares.pdf>

<https://www.dbs.com/iwov-resources/pdf/hongkong/tnc-subordinated-loan-agreement.pdf>

8 COUNTERCYCLICAL CAPITAL BUFFER

8.1 Geographical Distribution of Credit Exposures used in Countercyclical Capital Buffer

The following table provides an overview of the geographical distribution of the RWA of private sector credit exposures relevant for the calculation of the Bank's Countercyclical Capital Buffer ("CCyB") ratio.

In HK\$ millions		As at 31 December 2019			
	Geographical breakdown by Jurisdiction (J)	Applicable JCCyB ratio in effect (%)	RWA used in computation of CCyB ratio	AI-specific CCyB ratio (%)	CCyB amount
1	Hong Kong SAR	2.0	120,582		
2	United Kingdom	1.0	961		
	Sum		121,543		
	Total		135,484	1.787	4,111

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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9 LEVERAGE RATIO

9.1 Summary Comparison of Accounting Assets Against Leverage Ratio Exposure Measure

The following tables provide a reconciliation of the Group's balance sheet assets with the leverage ratio exposure measure and the breakdown of the Bank's leverage ratio regulatory elements.

In HK\$ millions

	Item	Value under the LR framework As at 31 December 2019
1	Total consolidated assets as per published financial statements	446,697
2	Adjustment for investments in banking, financial, insurance or commercial entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation	45
3	Adjustment for fiduciary assets recognized on the balance sheet pursuant to the applicable accounting standard but excluded from the LR exposure measure	–
4	Adjustments for derivative contracts	1,354
5	Adjustment for SFTs (i.e. repos and similar secured lending)	–
6	Adjustment for off-balance sheet ("OBS") items (i.e. conversion to credit equivalent amounts of OBS exposures)	20,685
6a	Adjustment for specific and collective provisions that are allowed to be excluded from exposure measure	(110)
7	Other adjustments	(2,538)
8	Leverage ratio exposure measure	466,133

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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9 LEVERAGE RATIO (continued)

9.2 Leverage Ratio

In HK\$ millions		As at 31 December 2019	As at 30 September 2019
On-balance sheet exposures			
1	On-balance sheet exposures (excluding those arising from derivative contracts and SFTs, but including collateral)	447,219	458,355
2	Less: Asset amounts deducted in determining Tier 1 capital	(915)	(1,030)
3	Total on-balance sheet exposures (excluding derivative contracts and SFTs)	446,304	457,325
Exposures arising from derivative contracts			
4	Replacement cost associated with all derivative contracts (whether applicable net of eligible cash variation margin and/or with bilateral netting)	242	313
5	Add-on amounts for PFE associated with all derivative contracts	1,745	1,937
6	Gross-up for derivatives collateral provided where deducted from the balance sheet assets pursuant to the applicable accounting framework	–	–
7	Less: Deductions of receivables assets for cash variation margin provided under derivative contracts	–	–
8	Less: Exempted CCP leg of client-cleared trade exposures	–	–
9	Adjusted effective notional amount of written credit derivative contracts	–	–
10	Less: Adjusted effective notional offsets and add-on deductions for written credit derivative contracts	–	–
11	Total exposures arising from derivative contracts	1,987	2,250
Exposures arising from SFTs			
12	Gross SFT assets (with no recognition of netting), after adjusting for sale accounting transactions	–	–
13	Less: Netted amounts of cash payables and cash receivables of gross SFT assets	–	–
14	CCR exposure for SFT assets	–	–
15	Agent transaction exposures	–	–
16	Total exposures arising from SFTs	–	–
Other off-balance sheet exposures			
17	Off-balance sheet exposure at gross notional amount	175,621	180,313
18	Less: Adjustments for conversion to credit equivalent amounts	(154,936)	(158,407)
19	Off-balance sheet items	20,685	21,906
Capital and total exposures			
20	Tier 1 capital	37,914	38,667
20a	Total exposures before adjustments for specific and collective provisions	468,975	481,481
20b	Adjustments for specific and collective provisions	(2,842)	(2,709)
21	Total exposures after adjustments for specific and collective provisions	466,133	478,772
Leverage ratio			
22	Leverage ratio (%)	8.1	8.1

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

10 CREDIT RISK

10.1 Qualitative Disclosures

10.1.1 General Qualitative Disclosures

Credit risk arises from borrowers or counterparties failing to meet their debt or contractual obligations. It includes both the risk of lending as well as the pre-settlement and settlement risk of foreign exchange, derivatives and debt securities.

RMG-Credit Risk unit, as part of the RMG, acts as a second line of defence responsible for the development and maintenance of credit risk management and internal control frameworks. It provides an independent review and challenges the first line of defence (e.g. Business Units) who, together with RMG-Credit Risk Unit, are responsible for the identification, assessment and management of risk on an end-to-end basis and in conformity with approved risk appetite and policies.

Various functions under RMG-Credit Risk unit reports to the Hong Kong Senior Risk Executive:

- Credit risk managers approve and control credit risk and portfolio quality and ensure compliance with all applicable credit policies, and procedures
- Credit control units monitor compliance with credit risk policies and standards of the Group and perform independent checks on completeness of documentation and compliance of credit conditions

RMG-Credit Risk unit also partners the Legal and Compliance unit to ensure all risk-taking activities abide by all regulations, while Internal Audit unit serves as a third line of defence to provide an independent assessment and assurance on the reliability, adequacy and effectiveness of our system of internal controls, risk management procedures, governance framework and processes.

The Group's credit risk management is supported by policies which cover credit risk management process and establish a consistent Group-wide approach for managing credit risk in a structured, systematic and consistent manner.

These policies, supplemented by a number of operational policies and standards, ensure consistency in identifying, assessing, underwriting, measuring, reporting and controlling credit risk across the Group, and provide guidance in the formulation of business-specific and/or location-specific credit risk policies and standards.

Day-to-day monitoring of credit exposures, portfolio performance and external environmental factors potentially affecting credit risk profiles is key to the Group's philosophy of effective credit risk management. Credit trends, which may include industry analysis, early warning alerts and significant weak credits are submitted to the various risk committees. Please refer to Section 3 on the risk management committees established to discuss the various risk types.

In managing its portfolio risk profile, the Group has put in place the Target Market and Risk Acceptance Criteria ("TMRAC") that support the Group's portfolio strategy planning and ensure well-defined and consistent customer onboarding standards across the Group.

DBSH's Delegation of Authority ("DOA") Standard sets out the level of credit authority required for approval of credit extension to a DOA group, taking into consideration the risk rating and total credit facility limits extended on a groupwide basis. The Group's ultimate credit authority is vested with the Group's Board of Directors.

The Group engages in various types of credit stress testing, and these are driven either by regulators or internal requirements and management. Independent risk management functions that report to the Senior Risk Executive are jointly responsible for developing and maintaining a robust credit stress testing programme. These units oversee the implementation of credit stress tests as well as the analysis of the results, of which the management, various risk committees and regulators are informed.

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REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.1 Qualitative Disclosures (continued)

10.1.2 Qualitative Disclosures related to CRM techniques

The Group's policies provide detailed policy requirements and references on:

- Eligible collaterals
- Collateral valuation and valuation method
- Appointment of valuers/appraisers
- Loan-to-valuation/margin calls

Core processes for collateral evaluation include:

- Frequency of valuation for the various asset classes
- In the case of classified credits, the minimum discount to be applied to the Net Book Value/Fair Market Value
- Ownership and approving authority
- Deviations

Where possible, the Group takes collateral as a secondary source of repayment. This includes, but not limited to, cash, marketable securities, real estate, trade receivables, inventory and equipment, and other physical and/or financial collateral. The Group may also take fixed and floating charges on the assets of borrowers.

The Group's collateral is generally diversified and periodic valuations of collateral are required. Real estate constitutes the bulk of the Group's collateral, while marketable securities and cash are immaterial.

For derivatives, repurchase agreements (repo) and other repo-style transactions with financial market counterparties, collateral arrangements are typically covered under market-standard documentation, such as International Swaps & Derivatives Association (ISDA) Agreements and Master Repurchase Agreements. The collateral received is marked-to-market on a frequency the Group and the counterparties mutually agreed upon, governed by internal guidelines with respect to the collateral eligibility. In the event of a default, the credit risk exposure is reduced by master-netting arrangements where the Group is allowed to offset what the Group owes a counterparty against what is due from that counterparty in a netting-eligible jurisdiction.

In times of difficulty, the Group will review the customer's specific situation and circumstances to assist them in restructuring their financial obligations. However, should the need arise, disposal and recovery processes are in place to dispose of collateral held. The Group maintains a panel of agents and solicitors to assist in the disposal of non-liquid assets and specialized equipment quickly.

The Group also accepts guarantees as credit risk mitigants. Internal thresholds for considering the eligibility of guarantors for credit risk mitigation are in place.

10.1.3 Qualitative Disclosures on the use of External Credit Ratings under STC approach

The Bank uses external ratings for credit exposures under the Standardized approach where relevant and only accepts ratings from Standard & Poor's Rating Services, Moody's Investors Services and Fitch Ratings. The Bank follows the processes prescribed in the BCR to map the ratings to the relevant risk weights across various asset classes under the Standardized approach.

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REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.1 Qualitative Disclosures (continued)

10.1.4 Qualitative Disclosures for IRBA Models

Structure and control mechanisms for internal rating systems

The Bank adopts various rating systems for the different asset classes under Internal Ratings Based Approach (“IRB”). There is a robust governance process for the development and approval of a credit risk model. Credit risk models developed are validated by an independent risk unit in the DBSH to ensure they are fit for purpose. The roles and responsibilities between various stakeholders in the model development and management process are articulated in the Model Risk Policy. This policy applies to the Group, including its banking subsidiaries on a Group basis. The models are placed through a rigorous review process prior to endorsement by Hong Kong Credit Risk Committee of the Bank and Group Credit Risk Model Committee of DBSH. The models have also been approved by Risk Executive Committee and Board Risk Management Committee of the Bank and Risk Executive Committee and Board Risk Management Committee of DBSH before use.

To ensure the adequacy and robustness of these rating systems on a continual basis, the Bank conducts regular performance monitoring on these rating systems and reports the results to the relevant Group Risk Committees; the main findings of the monitoring outcome is also reported to the Board Risk Management Committee of the Bank. In addition, an independent risk unit, i.e., Model Validation, conducts formal validation annually for each of the rating systems. The validation processes are also subject to an independent review by Internal Audit. This process ensures that any material deterioration in the rating system performance is highlighted for management’s attention.

Use of internal estimates

The internal credit risk ratings produced by credit rating models are used to calculate the IRB approach capital requirements. In addition, the ratings from the credit models are used as the basis to support the underwriting of credit, monitoring the performance of the portfolios, reporting, stress testing, risk rating migration and to facilitate the calculation for risk based pricing.

For portfolios under the Foundation Internal Rating Based Approach (“F-IRB”), internal estimates of Probability of Default (“PD”) are used while the supervisory Loss Given Default (“LGD”) and Exposure at Default (“EAD”) estimates are applied. For retail portfolios under the Retail-IRB approach, internal estimates of PD, LGD and EAD are used. Relevant regulatory floors are applied in regulatory capital calculation and reporting.

Nature of exposures within IRB approach

Retail exposures

Retail portfolios are categorised into asset classes under the Retail IRB approach, namely residential mortgages, qualifying revolving retail exposures, small business retail exposures and other retail exposures to individuals.

Portfolios on Retail-IRB approach constitute 17% of the Bank’s Credit EAD and 15% of the Bank’s Credit RWA.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.1 Qualitative Disclosures (continued)

10.1.4 Qualitative Disclosures for IRBA Models (continued)

Within each asset class, exposures are managed on a portfolio basis. Each account is assigned to a risk pool, taking into consideration factors such as borrower characteristics and account behaviour and collateral type. Loss estimates are based on historical default, utilisation and realised losses within a defined period. Default is identified at facility level. Business-specific credit risk policies and procedures including underwriting criteria, scoring models, approving authorities, frequency of asset quality and business strategy reviews; as well as systems, processes and techniques to monitor portfolio performance against benchmarks are in place. Credit risk models for secured and unsecured portfolios are being used for associated retail exposures to update risk level of each loan on a monthly basis, reflecting the broad usage of risk models in portfolio quality reviews in accordance with Basel Capital Accord principles.

Wholesale exposures

Wholesale exposures comprise sovereign, bank, corporate, corporate small business (which are assessed under Foundation IRB approach for capital computation) and specialised lending (which is assessed under the supervisory slotting criteria approach for capital computation).

Portfolios on Wholesales Foundation-IRB approach (excluding Specialized Lending) constitute 73% of the Bank's Credit EAD and 65% of the Bank's Credit RWA.

Sovereign exposures are risk rated using internal risk rating models and guidelines in line with Foundation IRB portfolios. The models are built through statistical methods using external data (e.g., macroeconomic information and external ratings). Factors related to country-specific macroeconomics risk, political risk, social risk and liquidity risk are included in the sovereign rating models to assess the sovereign credit risk in an objective and systematic manner.

Bank exposures are assessed using a bank rating model, a statistical model that considers both external information (financial statements, external ratings) and internal information (qualitative factors), covering various quantitative and qualitative credit risk factors such as capital levels and liquidity, asset quality, earnings, management and market sensitivity. The risk ratings derived are benchmarked against external credit risk ratings to ensure that the internal rating systems are well aligned and appropriately calibrated.

Corporate credits are assessed using approved internal rating models and reviewed by credit risk managers taking into consideration of relevant credit risk factors. It is a statistical model built based on internal data and calibrated to the long-run internal default experience. Credit factors considered in the rating process include the obligor's financial standing and non-financial factors such as management quality, access to funding, industry outlook and market position. The Counterparty Risk Rating assigned to smaller business borrowers is primarily based on the borrower's financial position and strength, which are assessed via the use of validated quantitative tool. This is supplemented by account behaviour factors such as facility utilisation as appropriate.

Credit ratings under the Foundation IRB portfolios are reviewed on an annual basis at a minimum unless credit conditions require more frequent assessment. The Counterparty Risk Rating process is reinforced by the Facility Risk Rating Framework which considers other exposure risk mitigations, such as collateral, third party guarantees and transfer risks.

A default is considered to have occurred with regard to a particular obligor when either or both of the two following events have taken place

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.1 Qualitative Disclosures (continued)

10.1.4 Qualitative Disclosures for IRBA Models (continued)

Wholesale exposures (continued)

- Subjective default: Obligor is unlikely to pay its credit obligations in full, without recourse by the Bank to actions such as realising security (if held).
- Technical default: Obligor is past due more than 90 days on any credit obligation to the Bank.

Other exposures mainly comprise of premises, equipment and other fixed assets and notes and coins, which are assessed under specific risk-weight approach.

In Other Portfolios, portfolios on Standardized approach account for 6% of the Bank's Credit EAD and 14% of the Bank's Credit RWA. The remaining portions are mainly Specialized Lending under Supervisory Slotting Criteria Approach and other exposures under Specific Risk Weight Approach.

Definitions of variables

The group-wide credit risk rating framework incorporates Probability of Default ("PD") of a counterparty and loss severity expressed in terms of Exposure-at-Default ("EAD") and Loss Given Default ("LGD").

PD expressed as a percentage, measures the probability that a borrower will default within one year.

LGD expressed as a percentage, is an estimate of the severity of the loss that the Bank will experience per unit of exposure in the event that the borrower defaults.

EAD is the expected amount of the exposure upon the default of the borrower, which is the sum of the on-balance sheet amounts and/or credit equivalent of the off-balance sheet amounts multiplied by a credit conversion factor determined in accordance with the Banking (Capital) Rules.

Methods and data for estimation and validation of the PD, LGD and EAD

For retail exposures, facilities/borrowers with homogenous nature of facility utilisation, payment history, delinquency trend and other transaction characteristics are segmented into homogenous risk pools. PD is estimated by each risk pool based on long run average of historical internal default experience with appropriate adjustment to reflect adverse economic condition to ensure conservatism for capital calculation. The LGD is estimated by dividing the loss by EAD. Loss represents the written-off or specific provision amounts plus collection costs at the end of LGD workout period after netting off recoveries. The LGD is calibrated to reflect adverse economic condition to ensure conservatism for capital calculation. For retail non-revolving exposures, EAD estimation is based on the sum of current outstanding. For retail revolving exposures, EAD estimation is referring to projected further draw down prior to defaults based on historical experience.

For wholesale exposures (including corporate, corporate small business, bank and sovereign exposures), PD generated by models and/or rating templates for individual counterparty is reviewed by credit risk managers. An Adjusted Counterparty Risk Rating ("ACRR") is assigned by taking the counterparty's PD and mapping it to the Bank's internal ACRR scale. The Bank applies the LGD determined by reference to the supervisory LGD estimates provided by the HKMA based on the nature of the collateral for its Foundation IRB portfolios and subordination. These supervisory LGD estimates are used in the computation of risk-weights and regulatory capital calculations for the portfolios. EAD estimation is subject to parameters set by the HKMA.

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10 CREDIT RISK (continued)

10.1 Qualitative Disclosures (continued)

10.1.4 Qualitative Disclosures for IRBA Models (continued)

Methods and data for estimation and validation of the PD, LGD and EAD (continued)

ACRR is estimated using a 11-grade scale expanded into 19 risk ratings to provide greater rating granularity that corresponds more closely to the Standard & Poor's ("S&P") rating scale. 14 of which are non-default ratings representing varying degrees of strength of financial condition, and 5 are default ratings. These scales are used group-wide for all distinct borrowers.

For specialised lending exposure, rating is assigned based on the borrower and transaction characteristics. Specialised lending is a type of exposure typically towards an entity specifically created to finance or operate physical assets where the primary source of income and repayment of the obligation lies directly with the assets being financed. The Bank uses supervisory slotting criteria approach in rating its regulatory specialised lending exposure by adopting the specialised lending rating templates. For example, for income-producing real estate specialised lending exposure, the Bank adopts a credit scoring framework to enable a granular assessment of credit risk for the real estate financing activities aligning with the context of Hong Kong real estate market and the DBSH's real estate lending policies.

Model validation process enables the Bank to reaffirm the continuing appropriateness of the models. The model validation process involves quantitative and qualitative assessment of the model that includes assessment of a model's discriminatory power, calibration, ratings stability and model design. To ensure the models are reliable, an independent validation is conducted by Risk Management Group and an independent review on the validation process is carried out by Internal Audit.

The credit risk ratings for the wholesale exposures have been mapped to likely corresponding external rating equivalents. A description of the risk rating is provided in the following table to give a qualitative explanation of the risk benchmark.

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10 CREDIT RISK (continued)

10.1 Qualitative Disclosures (continued)

10.1.4 Qualitative Disclosures for IRBA Models (continued)

Methods and data for estimation and validation of the PD, LGD and EAD (continued)

DBS PD Grade (ACRR)	Description of Risk Ratings	Internal Classification	S&P's Likely Ratings
1	Taking into account the impact of relevant economic, social or geopolitical conditions, capacity to meet its financial commitment is exceptional	Exceptional	AAA
2	Taking into account the impact of the relevant economic, social or geopolitical conditions, capacity to meet its financial commitment is excellent	Excellent	AA+, AA, AA-
3	More susceptible to adverse economic, social, geopolitical conditions and other circumstances, capacity to meet its financial commitment is strong	Strong	A+, A, A-
4A/4B	Adequate protection against adverse economic, social or geopolitical conditions or changing circumstances. More likely to lead to a weakened capacity of the obligor to meet its financial commitment	Good	BBB+/BBB
5	Relatively worse off than an obligor rated "4B" but exhibits adequate protection parameters	Satisfactory	BBB-
6A/6B	Satisfactory capacity to meet its financial commitment but capacity may become inadequate due to adverse business, financial, economic, social or geopolitical conditions and changing circumstances	Acceptable	BB+/BB
7A/7B	Marginal capacity to meet its financial commitment but capacity may become inadequate or uncertain due to adverse business, financial, economic, social or geopolitical conditions and changing circumstances	Marginal	BB-
8A	Sub-marginal capacity to meet its financial commitment. Adverse business, financial, or economic conditions will likely impair the obligor's capacity or willingness to meet its financial commitment	Sub-Marginal	B+
8B/8C	Low capacity to meet its financial commitment. Adverse business, financial, or economic condition will likely impair the obligor's capacity or willingness to meet its financial commitment	Special Caution	B/B-
9	Vulnerable to non-payment and is dependent upon favourable business, financial, and economic conditions for the obligor to meet its financial commitment. Likely to have little capacity to meet its financial commitment under adverse conditions	Sub-Performing	CCC – C
10 and Above	An obligor rated "10" and above is in default (as defined under Basel Capital Accord)	Default	D

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REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.1 Qualitative Disclosures (continued)

10.1.5 Additional Disclosures related to the Credit Quality of Assets

HKMA's Loan Classification System requires credit portfolios to be categorised into one of the following five categories, according to the Group's assessment of a borrower's ability to repay a credit facility from its normal sources of income and/or the repayment behavior of the borrower. Categories of Pass and Special Mention are classified as Performing assets, while Substandard, Doubtful, and Loss are classified as Non-Performing Assets (NPA).

Pass: This refers to loans where borrowers are current in meeting commitments and full repayment of interest and principal is not in doubt.

Special Mention: This refers to loans where borrowers are experiencing difficulties which may threaten the lender's position. Ultimate loss is not identified at this stage but could occur if adverse conditions persist.

Substandard: This refers to loans where borrowers are displaying a definable weakness that is likely to jeopardise repayment. The Group is relying heavily on available security. This would include loans where some loss of principal or interest is possible after taking account of the net realisable value of the security, and rescheduled loans where concessions have been made to a borrower on interest or principal such as to render the loan "non-commercial" to the Group.

Doubtful: This refers to loans where collection in full is improbable and the Group expects to sustain a loss of principal and/or interest after taking account of the net realisable value of the security.

Loss: This refers to loans which are considered uncollectible after exhausting all collection efforts such as realisation of collateral, institution of legal proceedings, etc.

For retail borrower, the categorisation into NPA is consistent with the above except that the NPA is managed and reported at credit facility level.

Credit facilities are classified as restructured assets when the Group grant non-commercial concessions to a borrower because its financial position has deteriorated or is unable to meet the original repayment schedule. A restructured credit facility is classified into the appropriate non-performing grade based on the assessment of the borrower's financial condition and its ability to repay according to the restructured terms.

Such credit facilities are not returned to the performing status until there are reasonable grounds to conclude that the borrower will be able to service all future principal and interest payments on the credit facility in accordance with the restructured terms.

International Harmonisation of Credit Quality Categorisation – Supervisory vs Regulatory vs Accounting

Currently, different terminology and criteria exists for the categorisation of quality of credit exposures under different regime and for various purpose:

1. Supervisory classification mainly for reporting/monitoring purpose – "Non-Performing"

There are variations in how individual regulators classify exposures/obligors as Non-Performing, mainly in terms of criteria, terminology (e.g. classified, criticized etc.) and granularity (e.g., sub-category for Performing and further classification of Non-Performing based on recovery prospect etc.).

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REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.1 Qualitative Disclosures (continued)

10.1.5 Additional Disclosures related to the Credit Quality of Assets (continued)

International Harmonisation of Credit Quality Categorisation – Supervisory vs Regulatory vs Accounting (continued)

2. Prudential/Regulatory definition for capital adequacy purpose – “Default”

Under Basel, a default is considered to have occurred when an obligor is considered Unlikely to Pay (UTP) (with list of such indicators specified in the Basel Accord) its credit obligations in full without recourse to actions such as realizing collateral (if held), or the obligor is more than 90 Days Past Due (90DPD) on any material obligation. It should be noted that the Basel UTP and 90DPD criteria are aligned to the DBSH's definition of Subjective and Technical Default respectively.

3. Accounting definition for valuation/provisioning purpose – “Credit-Impaired”

Under IFRS 9, a financial asset is considered credit-impaired when one or more events (with list of such events specified in the IFRS 9 standard) that have a detrimental impact on the estimated future cash flows of that financial asset have occurred. All such financial instruments are classified as Stage 3 and requires individual assessment of provisions under the principle of IFRS 9. This is aligned to DBSH's definition. In other words exposures which are classified as Default under Basel purpose are considered to be Credit-Impaired for IFRS 9 purpose.

Please refer to Note 2 Summary of Significant Accounting Policy of DBS Bank (Hong Kong) Limited's financial statements for more information on impairment.

Please refer to Note 37 Financial Risk Management of DBS Bank (Hong Kong) Limited's financial statements for analysis of loans and advances to customers by credit quality.

10.2 Quantitative Disclosures

10.2.1 Credit Quality of Assets

		As at 31 December 2019						
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
		Gross carrying amount of		Allowances/ Impairments	Of which ECL accounting provisions ¹ for credit losses on STC approach exposures		Of which ECL accounting provision for credit losses on IRB approach exposures	Net values (a+b-c)
In HK\$ millions		Defaulted exposures	Non-defaulted exposures		Allocated in regulatory category of specific provisions	Allocated in regulatory category of collective provisions		
1	Loans	2,395	395,338	2,703	152	247	2,304	395,030
2	Debt securities	–	38,245	1	–	–	1	38,244
3	Off-balance sheet exposures	–	14,053	28	–	1	27	14,025
	Total	2,395	447,636	2,732	152	248	2,332	447,299

¹ ECL accounting provisions classified as Stage 1 and Stage 2 are treated as collective provisions while those classified as Stage 3 are treated as specific provisions. Specific and collective provisions are ascribed to the identified standardized approach exposures.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.1 Credit Quality of Assets (continued)

A default is considered to have occurred with regard to a particular borrower when either or both of the following events have taken place:

- a) Subjective default: Borrower is considered to be unlikely to pay its credit obligations in full, without DBS taking action such as realising security (if held).
- b) Technical default: Borrower is more than 90 days past due on any credit obligation to DBS.

Loans included balances with banks, loans and advances to customers, balances with central banks, and related accrued interest receivables.

Debt securities included non-trading government securities and treasury bills, banks and corporate securities, and related accrued interest receivables.

Off-balance sheet exposures included direct credit substitutes, transaction-related contingencies, trade-related contingencies and irrevocable loans commitment.

10.2.2 Changes in Stock of Defaulted Loans and Debt Securities

In HK\$ millions		Amount
1	As at 30 June 2019	2,357
2	Loans and debt securities that have defaulted since the last reporting period	606
3	Returned to non-defaulted status	(15)
4	Amounts written off	(160)
5	Other changes (note)	(393)
6	As at 31 December 2019	2,395

Note: Other changes mainly related to settlement and repayments from customers.

10.2.3 Additional Quantitative Disclosures related to Credit Quality of Assets

The following tables show the breakdown of credit risk exposure by geographical areas, industry and residual maturity.

Breakdown by geographical areas HK\$ millions	As at 31 December 2019
Hong Kong	167,814
Singapore	230,526
Others	51,691
Total	450,031

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REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.3 Additional Quantitative Disclosures related to Credit Quality of Assets (continued)

Breakdown by industry HK\$ millions	As at 31 December 2019
Banks	247,259
Official sector	29,616
Non-bank private sector	
Property development	2,716
Property investment	18,693
Financial concerns	8,139
Stockbrokers	290
Wholesale and retail trade	15,824
Manufacturing	13,037
Transport & transport equipment	9,169
Recreational activities	308
Information technology	2,001
Trade finance	38,079
Individuals	55,143
Others	9,757
Total	450,031

Breakdown by residual maturity HK\$ millions	As at 31 December 2019
Up to and including one year	237,964
Over one year and up to including two years	135,415
Over two years	76,652
Total	450,031

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.3 Additional Quantitative Disclosures related to Credit Quality of Assets (continued)

The following show the breakdown of impaired exposures, specific allowances and write-offs by geographical areas and industry.

HK\$ millions Geographical areas	As at 31 December 2019				
	Hong Kong	China	Singapore	Others	Total
Impaired exposures	1,882	361	122	30	2,395
Specific allowances	860	319	116	13	1,308
Write-offs (during the year)	291	3	1	–	295

Please refer to Note 37 Financial Risk Management of DBS Bank (Hong Kong) Limited's financial statements for analysis of allowances and breakdown by industries.

Please refer to Section 17 Overdue and Rescheduled Assets for the aging analysis of accounting past due exposures.

Breakdown of restructured exposures

Restructured exposures HK\$ millions	As at 31 December 2019
Impaired	524
Not impaired	–
Total	524

10.2.4 Overview of Recognized Credit Risk Mitigation

In HK\$ millions		As at 31 December 2019				
		Exposures unsecured: carrying amount	Exposures to be secured	Exposures secured by recognized collateral	Exposures secured by recognized guarantees	Exposures secured by recognized credit derivative contracts
1	Loans	313,454	81,576	64,921	6,962	–
2	Debt securities	38,244	–	–	–	–
3	Total	351,698	81,576	64,921	6,962	–
4	Of which defaulted	257	830	324	454	–

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.5 Credit Risk Exposures and Effects of Recognized Credit Risk Mitigation – STC approach

In HK\$ millions		As at 31 December 2019					
		Exposures pre-CCF and pre-CRM		Exposures post-CCF and post-CRM		RWA and RWA density	
		On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA density (%)
1	Sovereign exposures	–	–	2	–	–	0
2	PSE exposures	–	–	82	–	16	20
2a	Of which: domestic PSEs	–	–	82	–	16	20
2b	Of which: foreign PSEs	–	–	–	–	–	–
3	Multilateral development bank exposures	1,202	–	1,202	–	–	0
4	Bank exposures	141	–	182	3	92	50
5	Securities firm exposures	297	695	297	–	148	50
6	Corporate exposures	16,129	17,379	14,026	568	14,594	100
7	CIS exposures	–	–	–	–	–	–
8	Cash items	–	–	–	–	–	–
9	Exposures in respect of failed delivery on transactions entered into on a basis other than a delivery-versus-payment basis	–	–	–	–	–	–
10	Regulatory retail exposures	3,329	4,900	2,232	–	1,674	75
11	Residential mortgage loans	1,024	–	1,024	–	359	35
12	Other exposures which are not past due exposures	17,240	16,171	10,388	113	10,501	100
13	Past due exposures	260	–	260	–	382	147
14	Significant exposures to commercial entities	–	–	–	–	–	–
15	Total	39,622	39,145	29,695	684	27,766	91

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10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.6 Credit Risk Exposures by Asset Classes and by Risk Weights – STC approach

In HK\$ millions		As at 31 December 2019										
	Risk Weight Exposure class	0%	10%	20%	35%	50%	75%	100%	150%	250%	Others	Total credit risk exposures amount (post CCF and post CRM)
		1	Sovereign exposures	2	-	-	-	-	-	-	-	
2	PSE exposures	-	-	82	-	-	-	-	-	-	-	82
2a	Of which: domestic PSEs	-	-	82	-	-	-	-	-	-	-	82
2b	Of which: foreign PSEs	-	-	-	-	-	-	-	-	-	-	-
3	Multilateral development bank exposures	1,202	-	-	-	-	-	-	-	-	-	1,202
4	Bank exposures	-	-	66	-	79	-	40	-	-	-	185
5	Securities firm exposures	-	-	-	-	297	-	-	-	-	-	297
6	Corporate exposures	-	-	-	-	-	-	14,594	-	-	-	14,594
7	CIS exposures	-	-	-	-	-	-	-	-	-	-	-
8	Cash items	-	-	-	-	-	-	-	-	-	-	-
9	Exposures in respect of failed delivery on transactions entered into on a basis other than a delivery-versus-payment basis	-	-	-	-	-	-	-	-	-	-	-
10	Regulatory retail exposures	-	-	-	-	-	2,232	-	-	-	-	2,232
11	Residential mortgage loans	-	-	-	1,024	-	-	-	-	-	-	1,024
12	Other exposures which are not past due exposures	-	-	-	-	-	-	10,501	-	-	-	10,501
13	Past due exposures	-	-	4	-	-	-	7	249	-	-	260
14	Significant exposures to commercial entities	-	-	-	-	-	-	-	-	-	-	-
15	Total	1,204	-	152	1,024	376	2,232	25,142	249	-	-	30,379

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10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.7 Credit Risk Exposures by Portfolio and PD ranges – for IRB approach

Foundation IRB Approach

	As at 31 December 2019												
	a	b	c	d	e	f	g	h	i	j	k	l	
PD scale (%)	Original on-balance sheet gross exposure HK\$'M	Off-balance sheet exposures pre-CCF HK\$'M	Average CCF (%)	EAD post-CRM and post-CCF HK\$'M	Average PD (%)	Number of obligors	Average LGD (%)	Average maturity (Years)	RWA HK\$'M	RWA density (%)	EL HK\$'M	Provisions HK\$'M	
Sovereign exposures													
0.00 to <0.15	31,807	-	-	33,476	0.01	10	45	2.5	2,642	8	51		
0.15 to <0.25	-	-	-	-	-	-	-	-	-	-	-		
0.25 to <0.50	-	-	-	-	-	-	-	-	-	-	-		
0.50 to <0.75	-	-	-	-	-	-	-	-	-	-	-		
0.75 to <2.50	-	-	-	-	-	-	-	-	-	-	-		
2.50 to <10.00	-	-	-	-	-	-	-	-	-	-	-		
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-		
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-		
Sub-total	31,807	-	-	33,476	0.01	10	45	2.5	2,642	8	51	24	
Bank exposures													
0.00 to <0.15	249,558	192	51	250,039	0.04	61	45	2.5	60,691	24	48		
0.15 to <0.25	582	-	-	582	0.24	8	45	2.5	363	62	1		
0.25 to <0.50	604	2	50	614	0.38	11	45	2.5	490	80	1		
0.50 to <0.75	287	-	-	287	0.61	8	45	2.5	283	99	1		
0.75 to <2.50	79	-	-	79	1.30	7	45	2.5	80	101	-		
2.50 to <10.00	48	-	-	48	2.69	2	45	2.5	59	124	1		
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-		
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-		
Sub-total	251,158	194	51	251,649	0.05	97	45	2.5	61,966	25	52	572	
Corporate exposures – small-and-medium sized corporates													
0.00 to <0.15	-	-	-	-	-	-	-	-	-	-	-		
0.15 to <0.25	-	-	-	-	-	-	-	-	-	-	-		
0.25 to <0.50	-	-	-	-	-	-	-	-	-	-	-		
0.50 to <0.75	5	5	-	5	0.56	1	35	2.5	2	45	-		
0.75 to <2.50	42	23	1	43	1.98	5	38	2.5	31	74	1		
2.50 to <10.00	18	8	-	16	3.51	4	36	2.5	14	82	-		
10.00 to <100.00	-	-	-	-	-	-	-	-	-	-	-		
100.00 (Default)	-	-	-	-	-	-	-	-	-	-	-		
Sub-total	65	36	-	64	2.26	10	37	2.5	47	74	1	-	
Corporate exposures – other													
0.00 to <0.15	723	237	23	777	0.07	3	45	2.5	172	22	-		
0.15 to <0.25	3,967	3,669	9	4,874	0.22	13	41	2.5	2,053	42	5		
0.25 to <0.50	8,078	8,982	10	8,466	0.33	66	42	2.5	4,481	53	12		
0.50 to <0.75	2,309	6,215	3	3,283	0.56	298	43	2.5	2,291	70	8		
0.75 to <2.50	21,576	34,565	5	23,933	1.76	2,249	38	2.5	22,077	92	177		
2.50 to <10.00	24,975	11,286	4	22,437	4.47	2,155	37	2.5	26,454	118	373		
10.00 to <100.00	1,991	349	1	1,922	14.30	199	39	2.5	2,986	155	314		
100.00 (Default)	1,956	5	23	1,504	100.00	256	43	2.5	2,282	152	817		
Sub-total	65,575	65,308	6	67,196	4.85	5,239	39	2.5	62,796	93	1,706	1,699	
Total (all portfolios)	348,605	65,538	6	352,385	0.96	5,356	44	2.5	127,451	36	1,810	2,295	

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.7 Credit Risk Exposures by Portfolio and PD ranges – for IRB approach (continued)

Retail IRB Approach

	As at 31 December 2019											
	a	b	c	d	e	f	g	h	i	j	k	l
PD scale (%)	Original on-balance sheet gross exposure HK\$'M	Off-balance sheet exposures pre-CCF HK\$'M	Average CCF (%)	EAD post-CRM and post-CCF HK\$'M	Average PD (%)	Number of obligors	Average LGD (%)	Average maturity (Years)	RWA HK\$'M	RWA density (%)	EL HK\$'M	Provisions HK\$'M
Residential mortgages exposures												
0.00 to <0.15	7,675	-	-	7,675	0.12	1,157	13		1,919	25	1	
0.15 to <0.25	11,186	-	-	11,186	0.22	6,566	13		1,729	15	3	
0.25 to <0.50	-	-	-	-	-	-	-		-	-	-	
0.50 to <0.75	4,800	-	-	4,800	0.63	964	13		1,004	21	4	
0.75 to <2.50	30	-	-	30	1.80	8	32		17	58	-	
2.50 to <10.00	261	-	-	261	9.84	138	13		157	60	3	
10.00 to <100.00	10	-	-	10	33.97	9	13		7	77	-	
100.00 (Default)	50	-	-	50	100.00	17	32		198	395	-	
Sub-total	24,012	-	-	24,012	0.60	8,859	13		5,031	21	11	46
Qualifying revolving retail exposures												
0.00 to <0.15	-	-	-	-	-	-	-		-	-	-	
0.15 to <0.25	1,680	37,054	58	23,052	0.18	322,140	102		2,295	10	42	
0.25 to <0.50	1,968	10,144	52	7,239	0.33	111,722	99		1,145	16	24	
0.50 to <0.75	98	293	330	1,065	0.58	1,696	107		286	27	7	
0.75 to <2.50	4,916	22,022	55	16,969	1.66	278,841	101		9,449	56	280	
2.50 to <10.00	518	128	98	642	3.61	3,339	114		706	110	26	
10.00 to <100.00	1,823	408	129	2,349	19.08	19,173	96		5,500	234	428	
100.00 (Default)	56	-	-	56	100.00	772	110		340	602	35	
Sub-total	11,059	70,049	58	51,372	1.71	737,683	101		19,721	38	842	217
Small business retail exposures												
0.00 to <0.15	-	-	-	-	-	-	-		-	-	-	
0.15 to <0.25	-	-	-	-	-	-	-		-	-	-	
0.25 to <0.50	4	-	-	4	0.29	4	6		-	4	-	
0.50 to <0.75	-	-	-	-	-	-	-		-	-	-	
0.75 to <2.50	-	-	-	-	-	-	-		-	-	-	
2.50 to <10.00	-	-	-	-	-	-	-		-	-	-	
10.00 to <100.00	-	-	-	-	-	-	-		-	-	-	
100.00 (Default)	-	-	-	-	-	-	-		-	-	-	
Sub-total	4	-	-	4	0.29	4	6		-	4	-	-
Other retail exposures to individuals												
0.00 to <0.15	-	-	-	-	-	-	-		-	-	-	
0.15 to <0.25	-	-	-	-	-	-	-		-	-	-	
0.25 to <0.50	2,176	-	-	2,176	0.29	2,334	13		153	7	1	
0.50 to <0.75	-	-	-	-	-	-	-		-	-	-	
0.75 to <2.50	2,451	-	-	2,451	1.67	8,374	68		2,113	86	32	
2.50 to <10.00	2,609	-	-	2,609	5.50	6,672	55		2,226	85	92	
10.00 to <100.00	794	-	-	794	24.54	2,031	67		1,176	148	125	
100.00 (Default)	32	-	-	32	100.00	158	78		149	474	19	
Sub-total	8,062	-	-	8,062	5.18	19,569	49		5,817	72	269	73
Total (all portfolios)	43,137	70,049	58	83,450	1.73	766,115	71		30,569	37	1,122	336

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.8 Effects on RWA of Recognized Credit Derivative Contracts used as Recognized Credit Risk Mitigation – for IRB approach

The Bank does not have credit derivative contracts used as recognized credit risk mitigation.

In HK\$ millions		As at 31 December 2019	
		Pre-credit derivatives RWA	Actual RWA
1	Corporate – Specialized lending under supervisory slotting criteria approach (project finance) (“PF”)	411	411
2	Corporate – Specialized lending under supervisory slotting criteria approach (object finance) (“OF”)	–	–
3	Corporate – Specialized lending under supervisory slotting criteria approach (commodities finance) (“CF”)	–	–
4	Corporate – Specialized lending under supervisory slotting criteria approach (income-producing real estate) (“IPRE”)	4,238	4,238
5	Corporate – Specialized lending (high-volatility commercial real estate) (“HVCRE”)	–	–
6	Corporate – Small-and-medium sized corporates	47	47
7	Corporate – Other corporates	62,796	62,796
8	Sovereigns	2,583	2,583
9	Sovereign foreign public sector entities	59	59
10	Multilateral development banks	–	–
11	Bank exposures – Banks	61,966	61,966
12	Bank exposures – Securities firms	–	–
13	Bank exposures – Public sector entities (excluding sovereign foreign public sector entities)	–	–
14	Retail – Small business retail exposures	–	–
15	Retail – Residential mortgages to individuals	4,526	4,526
16	Retail – Residential mortgages to property-holding shell companies	505	505
17	Retail – Qualifying revolving retail exposures (QRRE)	19,721	19,721
18	Retail – Other retail exposures to individuals	5,817	5,817
19	Equity – Equity exposures under market-based approach (simple risk-weight method)	–	–
20	Equity – Equity exposures under market-based approach (internal models method)	–	–
21	Equity – Equity exposures under PD/LGD approach (publicly traded equity exposures held for long-term investment)	–	–
22	Equity – Equity exposures under PD/LGD approach (privately owned equity exposures held for long-term investment)	–	–
23	Equity – Equity exposures under PD/LGD approach (other publicly traded equity exposures)	–	–
24	Equity – Equity exposures under PD/LGD approach (other equity exposures)	–	–
25	Equity – Equity exposures associated with equity investments in funds (CIS exposures)	–	–
26	Other – Cash items	–	–
27	Other – Other items	7,402	7,402
28	Total (under the IRB calculation approaches)	170,071	170,071

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.9 RWA Flow Statements of Credit Risk Exposures under IRB Approach

The following table explains the change in credit RWA under IRB approach for the quarter.

In HK\$ millions	RWA
As at 30 September 2019	171,403
Asset size	(220)
Asset quality	(991)
Model updates	–
Methodology and policy	–
Acquisitions and disposals	–
Foreign exchange movements	(121)
Others	–
As at 31 December 2019	170,071

10.2.10 Specialized Lending Under Supervisory Slotting Criteria Approach – for IRB approach

Specialized lending under supervisory slotting criteria approach – other than HVCRE

In HK\$ millions		As at 31 December 2019										
Supervisory Rating Grade	Remaining Maturity	On-balance sheet exposure amount	Off-balance sheet exposure amount	SRW (%)	EAD amount					RWA	Expected loss amount	
					PF	OF	CF	IPRE	Total			
Strong ^A	Less than 2.5 years	–	–	50	–	–	–	–	–	–	–	–
Strong	Equal to or more than 2.5 years	481	142	70	587	–	–	–	587	411	2	2
Good ^A	Less than 2.5 years	1,837	457	70	–	–	–	2,179	2,179	1,525	9	9
Good	Equal to or more than 2.5 years	2,299	236	90	–	–	–	2,299	2,299	2,069	18	18
Satisfactory		532	52	115	–	–	–	532	532	612	15	15
Weak		13	3	250	–	–	–	13	13	32	1	1
Default		1	–	0	–	–	–	1	1	–	1	1
Total		5,163	890		587	–	–	5,024	5,611	4,649	46	46

^A Use of preferential risk-weights.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.11 Back-Testing of PD per portfolio – for IRB approach

The actual default rate is measured by using the number of obligors or number of accounts defaulted, depending on the exposure class of the annual reporting period.

Please refer to Note 10.1.4 “Qualitative Disclosures for IRBA Models” for key rating models used for exposures and the percentage of RWA covered by these models.

Foundation IRB Approach

As at 31 December 2019									
a	b	c	d	e	f		g	h	i
Foundation IRB	PD scale (%)	External rating equivalent (S&P likely ratings)	Weighted average PD (%)	Arithmetic average PD by obligors (%)	Number of obligors		Defaulted obligors in the year	Of which: New defaulted obligors in the year	Average historical annual default rate (%)
					Beginning of the year	End of the year			
Sovereign exposures									
	0.00 to <0.15	AAA to BBB+	0.01	0.01	8	10	–	–	–
	0.15 to <0.25	BBB+ to BBB	–	–	–	–	–	–	–
	0.25 to <0.50	BBB to BBB-	–	–	–	–	–	–	–
	0.50 to <0.75	BB+	–	–	–	–	–	–	–
	0.75 to <2.50	BB to BB-	–	–	–	–	–	–	–
	2.50 to <10.00	B+ to B	–	–	–	–	–	–	–
	10.00 to <100.00	B- to C	–	–	–	–	–	–	–
Bank exposures									
	0.00 to <0.15	AAA to BBB+	0.04	0.09	69	61	–	–	–
	0.15 to <0.25	BBB+ to BBB	0.24	0.24	9	8	–	–	–
	0.25 to <0.50	BBB to BBB-	0.38	0.38	13	11	–	–	–
	0.50 to <0.75	BB+	0.61	0.61	5	8	–	–	–
	0.75 to <2.50	BB to BB-	1.13	1.22	9	7	–	–	–
	2.50 to <10.00	B+ to B	–	–	–	2	–	–	–
	10.00 to <100.00	B- to C	–	–	–	–	–	–	–
Corporate exposures – small-and-medium sized corporates									
	0.00 to <0.15	AAA to BBB+	–	–	–	–	–	–	–
	0.15 to <0.25	BBB+ to BBB	–	–	–	–	–	–	–
	0.25 to <0.50	BBB to BBB-	–	–	–	–	–	–	–
	0.50 to <0.75	BB+	0.56	0.56	1	1	–	–	–
	0.75 to <2.50	BB to BB-	2.19	1.90	5	5	–	–	–
	2.50 to <10.00	B+ to B	5.13	4.79	6	4	–	–	7.46
	10.00 to <100.00	B- to C	–	–	–	–	–	–	–
Corporate exposures – other									
	0.00 to <0.15	AAA to BBB+	0.03	0.04	3	3	–	–	–
	0.15 to <0.25	BBB+ to BBB	0.22	0.22	16	13	–	–	–
	0.25 to <0.50	BBB to BBB-	0.31	0.34	49	66	–	–	–
	0.50 to <0.75	BB+	0.56	0.56	322	298	–	–	0.07
	0.75 to <2.50	BB to BB-	1.74	1.68	2,384	2,249	12	1	0.63
	2.50 to <10.00	B+ to B	4.45	4.74	2,331	2,155	61	1	2.56
	10.00 to <100.00	B- to C	12.15	12.15	222	199	14	1	6.78

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

10 CREDIT RISK (continued)

10.2 Quantitative Disclosures (continued)

10.2.11 Back-Testing of PD per portfolio – for IRB approach (continued)

Retail IRB Approach

As at 31 December 2019									
a	b	c	d	e	f		g	h	i
Retail IRB	PD scale (%)	External rating equivalent (S&P likely ratings)	Weighted average PD (%)	Arithmetic average PD by obligors (%)	Number of obligors		Defaulted obligors in the year	Of which: New defaulted obligors in the year	Average historical annual default rate (%)
					Beginning of the year	End of the year			
Residential mortgages exposures									
	0.00 to <0.15		0.12	0.12	1,454	1,331	5	–	0.16
	0.15 to <0.25		0.22	0.22	8,085	6,993	5	–	0.04
	0.25 to <0.50		–	–	–	–	–	–	–
	0.50 to <0.75		0.63	0.63	773	1,171	–	–	0.03
	0.75 to <2.50		1.80	1.80	1	8	–	–	–
	2.50 to <10.00		9.84	9.84	238	142	1	–	0.33
	10.00 to <100.00		33.97	33.97	16	10	3	–	21.75
Qualifying revolving retail exposures									
	0.00 to <0.15		0.14	0.14	298,330	–	165	1	0.08
	0.15 to <0.25		0.21	0.21	138,882	332,140	105	1	0.12
	0.25 to <0.50		–	–	–	111,722	–	–	0.23
	0.50 to <0.75		0.59	0.58	1,580	1,696	6	4	0.24
	0.75 to <2.50		1.66	1.69	239,362	278,841	839	77	0.36
	2.50 to <10.00		5.02	5.44	20,705	3,339	178	1	0.90
	10.00 to <100.00		14.95	15.43	18,175	19,173	1,072	2	5.73
Small business retail exposures									
	0.00 to <0.15		–	–	–	–	–	–	–
	0.15 to <0.25		–	–	–	–	–	–	–
	0.25 to <0.50		0.29	0.29	5	4	–	–	–
	0.50 to <0.75		–	–	–	–	–	–	–
	0.75 to <2.50		–	–	–	–	–	–	–
	2.50 to <10.00		–	–	–	–	–	–	–
	10.00 to <100.00		–	–	–	–	–	–	–
Other retail exposures to individuals									
	0.00 to <0.15		–	–	–	–	–	–	–
	0.15 to <0.25		–	–	–	–	–	–	–
	0.25 to <0.50		0.29	0.30	2,743	2,473	2	–	0.07
	0.50 to <0.75		–	–	–	–	–	–	–
	0.75 to <2.50		1.62	1.89	8,279	8,407	60	13	0.45
	2.50 to <10.00		5.19	5.86	7,621	6,719	177	8	1.94
	10.00 to <100.00		24.66	24.37	2,295	2,043	272	24	6.23

The shift in the distribution of obligors across PD scales for qualifying revolving retail exposures is mainly due to the credit card probability of default (PD) model enhancement which was implemented in 2019.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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11 COUNTERPARTY CREDIT RISK

11.1 Qualitative Disclosures

Counterparty Credit Risk is defined as the risk that a counterparty could default before the final settlement of the cash flows of derivatives or securities financing transactions.

Pre-settlement credit risk for traded products arising from a counterparty potentially defaulting on its obligations is quantified by evaluation of the market price, plus potential future exposure. This is used to calculate the Bank's regulatory capital under the Current Exposure Method ("CEM") and is included under its overall credit limits to counterparties for internal risk management.

Issuer default risk that may also arise from derivatives, notes and securities are generally measured based on jump-to-default computations.

DBSH's CCRP and related standards set out the Group's overarching requirements for guarantees and Traded Products.

Credit limits and exposures to counterparties are subject to the Group's overarching credit risk management framework. Counterparties (including Central Clearing Counterparties ("CCPs")) are assessed individually using an internal rating model and assigned credit risk ratings. After the credit exposures are assessed, credit limits are proposed by the business unit, and are approved by the credit risk function after an independent credit assessment. The Group's assessment for CCPs takes into consideration additional parameters including but not limited to default waterfall protection, margining process, risk management capabilities, segregation of margins, member liability provisions, regulatory oversights etc.

The Group actively monitors and manages our exposure to counterparties in OTC derivative trades to protect our balance sheet in the event of a counterparty default. Counterparty risk exposures that may be adversely affected by market risk events are identified, reviewed and acted upon by management, and highlighted to the appropriate risk committees.

Furthermore, the Group enters into master netting/collateral arrangements with counterparties where it is appropriate and feasible to mitigate counterparty risk. The Group also clears OTC Derivatives trades through CCPs to manage overall counterparty credit risks.

DBSH's CCRP and associated guide provide the definition and management of specific wrong-way risk (SWWR). SWWR arises when the credit exposure of a counterparty (from the traded product transaction) directly correlates with the probability of default of the counterparty. An example of SWWR is when a counterparty buys or sells its own equity share.

If there is a 3-notch downgrade in the Bank's credit ratings, the impact on the Bank's collateral obligations under derivative contracts is minimal.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

11 COUNTERPARTY CREDIT RISK (continued)

11.2 Quantitative Disclosures

11.2.1 Analysis of Counterparty Default Risk Exposures (Other than those to CCPs) by Approaches

In HK\$ millions		As at 31 December 2019					
		Replacement cost (RC)	PFE	Effective EPE	Alpha (α) used for computing default risk exposure	Default risk exposure after CRM	RWA
1	CEM (for derivative contracts)	240	1,744		NA	1,984	916
2	IMM (CCR) approach			–	–	–	–
3	Simple Approach (for SFTs)					–	–
4	Comprehensive Approach (for SFTs)					–	–
5	VaR (for SFTs)					–	–
6	Total						916

The current exposure method is used for calculating default risk exposures of derivative contracts.

11.2.2 CVA Capital Charge

In HK\$ millions		As at 31 December 2019	
		EAD post CRM	RWA
	Netting sets for which CVA capital charge is calculated by the advanced CVA method	–	–
1	(i) VaR (after application of multiplication factor if applicable)		–
2	(ii) Stressed VaR (after application of multiplication factor if applicable)		–
3	Netting sets for which CVA capital charge is calculated by the standardized CVA method	1,792	590
4	Total	1,792	590

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

11 COUNTERPARTY CREDIT RISK (continued)

11.2 Quantitative Disclosures (continued)

11.2.3 Counterparty Default Risk Exposures (Other than those to CCPs) by Asset Classes and by Risk Weights – for STC approach

In HK\$ millions		As at 31 December 2019										
	Risk Weight	0%	10%	20%	35%	50%	75%	100%	150%	250%	Others	Total default risk exposure after CRM
	Exposure class											
1	Sovereign exposures	-	-	-	-	-	-	-	-	-	-	-
2	PSE exposures	-	-	-	-	-	-	-	-	-	-	-
2a	Of which: domestic PSEs	-	-	-	-	-	-	-	-	-	-	-
2b	Of which: foreign PSEs	-	-	-	-	-	-	-	-	-	-	-
3	Multilateral development bank exposures	-	-	-	-	-	-	-	-	-	-	-
4	Bank exposures	-	-	-	-	-	-	-	-	-	-	-
5	Securities firm exposures	-	-	-	-	1	-	-	-	-	-	1
6	Corporate exposures	-	-	-	-	62	-	21	-	-	-	83
7	CIS exposures	-	-	-	-	-	-	-	-	-	-	-
8	Regulatory retail exposures	-	-	-	-	-	-	-	-	-	-	-
9	Residential mortgage loans	-	-	-	-	-	-	-	-	-	-	-
10	Other exposures which are not past due exposures	-	-	-	-	-	-	431	-	-	-	431
11	Significant exposures to commercial entities	-	-	-	-	-	-	-	-	-	-	-
12	Total	-	-	-	-	63	-	452	-	-	-	515

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

11 COUNTERPARTY CREDIT RISK (continued)

11.2 Quantitative Disclosures (continued)

11.2.4 Counterparty Default Risk Exposures (Other than those to CCPs) by portfolio and PD range – for IRB approach

Foundation IRB Approach

The following table sets out the parameters used for the calculation of the Bank's CCR capital requirements for IRB approach models. The Bank adopts FIRB approach for all of its IRB exposures which are subject to CCR capital requirements.

	As at 31 December 2019						
	a	b	c	d	e	f	g
PD scale (%)	EAD post-CRM HK\$'M	Average PD (%)	Number of obligors	Average LGD (%)	Average maturity (Years)	RWA HK\$'M	RWA density (%)
Bank							
0.00 to <0.15	1,091	0.06	13	45	2.5	311	28
0.15 to <0.25	4	0.24	2	45	2.5	2	64
0.25 to <0.50	–	–	–	–	–	–	–
0.50 to <0.75	–	–	–	–	–	–	–
0.75 to <2.50	–	–	–	–	–	–	–
2.50 to <10.00	–	–	–	–	–	–	–
10.00 to <100.00	–	–	–	–	–	–	–
100.00 (Default)	–	–	–	–	–	–	–
Sub-total	1,095	0.06	15	45	2.5	313	29
Corporate exposures – small-and-medium sized corporates							
0.00 to <0.15	–	–	–	–	–	–	–
0.15 to <0.25	–	–	–	–	–	–	–
0.25 to <0.50	–	–	–	–	–	–	–
0.50 to <0.75	–	–	–	–	–	–	–
0.75 to <2.50	–	–	–	–	–	–	–
2.50 to <10.00	–	–	–	–	–	–	–
10.00 to <100.00	–	–	–	–	–	–	–
100.00 (Default)	–	–	–	–	–	–	–
Sub-total	–	–	–	–	–	–	–
Corporate exposures – other							
0.00 to <0.15	–	–	–	–	–	–	–
0.15 to <0.25	3	0.22	1	35	2.5	1	36
0.25 to <0.50	128	0.36	8	45	2.5	75	59
0.50 to <0.75	194	0.56	4	1	2.5	3	1
0.75 to <2.50	9	1.93	24	34	2.5	8	85
2.50 to <10.00	8	3.10	25	41	2.5	9	118
10.00 to <100.00	–	12.15	2	45	2.5	–	207
100.00 (Default)	–	–	–	–	–	–	–
Sub-total	342	0.58	64	19	2.5	96	28
Total (all portfolios)	1,437	0.18	79	39	2.5	409	28

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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11 COUNTERPARTY CREDIT RISK (continued)

11.2 Quantitative Disclosures (continued)

11.2.5 Composition of Collateral for Counterparty Default Risk Exposures (including those for Contracts or Transactions Cleared through CCPs)

In HK\$ millions	As at 31 December 2019					
	Derivative contracts				SFTs	
	Fair value of recognized collateral received		Fair value of posted collateral		Fair value of recognized collateral received	Fair value of posted collateral
	Segregated	Unsegregated	Segregated	Unsegregated		
Cash – domestic currency	–	–	–	1	–	–
Cash – other currencies	–	67	–	7	–	–
Total	–	67	–	8	–	–

There is no outstanding securities financing transaction which creates exposures to counterparty credit risk as at 31 December 2019.

11.2.6 Credit-Related Derivatives Contracts

In HK\$ millions	As at 31 December 2019	
	Protection bought	Protection sold
Notional amounts		
Total return swaps	4,392	4,410
Total notional amounts	4,392	4,410
Fair values		
Positive fair values (asset)	6	–
Negative fair values (liability)	–	6

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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11 COUNTERPARTY CREDIT RISK (continued)

11.2 Quantitative Disclosures (continued)

11.2.7 Exposures to CCPs

In HK\$ millions		As at 31 December 2019	
		Exposure after CRM	RWA
1	Exposures of the AI as clearing member or client to qualifying CCPs (total)		–
2	Default risk exposures to qualifying CCPs (excluding items disclosed in rows 7 to 10), of which:	3	–
3	(i) OTC derivative transactions	3	–
4	(ii) Exchange-traded derivative contracts	–	–
5	(iii) Securities financing transactions	–	–
6	(iv) Netting sets subject to valid cross-product netting agreements	–	–
7	Segregated initial margin	–	–
8	Unsegregated initial margin	–	–
9	Funded default fund contributions	–	–
10	Unfunded default fund contributions	–	–
11	Exposures of the AI as clearing member or client to non-qualifying CCPs (total)		–
12	Default risk exposures to non-qualifying CCPs (excluding items disclosed in rows 17 to 20), of which:	–	–
13	(i) OTC derivative transactions	–	–
14	(ii) Exchange-traded derivative contracts	–	–
15	(iii) Securities financing transactions	–	–
16	(iv) Netting sets subject to valid cross-product netting agreements	–	–
17	Segregated initial margin	–	–
18	Unsegregated initial margin	–	–
19	Funded default fund contributions	–	–
20	Unfunded default fund contributions	–	–

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

12 MARKET RISK

12.1 Qualitative Disclosure

Please refer to Note 37 Financial Risk Management of DBS Bank (Hong Kong) Limited's financial statements for details.

12.2 Quantitative Disclosure

12.2.1 Market Risk under Standardized Approach

In HK\$ millions		As at 31 December 2019 RWA ¹
	Outright product exposures	
1	Interest rate exposures (general and specific risk)	474
2	Equity exposures (general and specific risk)	–
3	Foreign exchange (including gold) exposures	588
4	Commodity exposures	–
	Option exposures	
5	Simplified approach	–
6	Delta-plus approach	2
7	Other approach	–
8	Securitization exposures	–
9	Total	1,064

¹ The RWA is derived by multiplying the capital requirements by 12.5.

13 OPERATIONAL RISK

Please refer to Note 37 Financial Risk Management of DBS Bank (Hong Kong) Limited's financial statements for details.

14 INTEREST RATE RISK IN THE BANKING BOOK

14.1 Qualitative Disclosure

Interest rate risk from the banking book arises from mismatches in the interest rate profiles of assets, liabilities and capital instruments. It includes basis risk arising from different interest rate benchmarks, interest rate repricing risk and yield curve risk.

The Group uses Expected Shortfall and Net Interest Income variability as key risk metrics to measure banking book interest rate risk. Internal control processes and systems have been designed and implemented to support our market risk management approach. The Bank reviews these control processes and systems regularly, and these reviews allow management to assess their effectiveness.

Independent monitoring of established limits and analysis of the Group's interest rate risk in banking book is the responsibility of the RMG-Market and Liquidity Risk unit. The unit monitors, controls and analyses the Group's interest rate risk in the banking book regularly. Please refer to Section 2 and Section 4 in the Corporate Governance Report of DBS Bank (Hong Kong) Limited's Financial Statement on the role of Asset and Liability Committee and Internal Audit respectively.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

14 INTEREST RATE RISK IN THE BANKING BOOK (continued)

14.1 Qualitative Disclosure (continued)

The Group measures interest rate risk in the banking book on a weekly basis. To monitor the Group's vulnerability to unexpected but plausible extreme interest rate risk-related events, we conduct multiple banking book interest rate risk stress tests regularly, including internally selected interest rate shock scenarios addressing the Group's profile, as well as historical and hypothetical interest rate stress scenarios.

Behavioral assumptions are applied when managing the interest rate risk of non-maturity deposits internally, consistent with that applied in the computation of change in economic value of equity (Δ EVE) based on the HKMA's standardized framework. Behavioral assumptions are also applied when managing the interest rate risk of administered rate products internally, which gives a longer asset duration.

The Group enters into hedging transactions to manage exposures to interest rate risks. Hedge accounting is applied to minimize volatility in earnings arising from changes in interest rate risks. Please refer to Note 32 of DBS Bank (Hong Kong) Limited's Financial Statement.

In the computation of the change in economic value of equity (Δ EVE) based on the HKMA's standardized framework, commercial margins are included in the projected interest cash flows. Core non-maturity deposits ("NMDs") are those with a high probability to be remained undrawn and unlikely to reprice under significant changes in interest rate environment. The average repricing maturity of core non-maturity deposits takes into account regulatory caps and industry standards. The assessment of products subject to prepayment or early redemption risk follows HKMA's standardized framework. Exposures across currencies are aggregated to determine total exposures, following HKMA's standardized framework. As of 31 December 2019, the notional-weighted repricing maturity of NMDs is 1 year. The longest repricing maturity assigned to NMDs is 4 years.

14.2 Quantitative Disclosure

14.2.1 Quantitative Information on Interest Rate Risk in Banking Book

In HK\$ millions		(a)	(b)	(c)	(d)
		Δ EVE ²		Δ NII ²	
	Period	As at 31 December 2019	As at 31 December 2018 ¹	As at 31 December 2019	As at 31 December 2018 ¹
1	Parallel up	465	NA	(647)	NA
2	Parallel down	–	NA	647	NA
3	Steeper	203	NA		
4	Flattener	158	NA		
5	Short rate up	266	NA		
6	Short rate down	120	NA		
7	Maximum	465	NA	647	NA
	Period	As at 31 December 2019		As at 31 December 2018	
8	Tier 1 capital	37,914		36,814	

¹ Not applicable before respective policy framework took effect in June 2019.

² Positive values of Δ EVE and Δ NII indicate losses under the respective scenarios, in accordance with HKMA's disclosure requirement

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

15 INTERNATIONAL CLAIMS

Analysis of the Bank's international claims by location and by type of counterparty is as follows:

In HK\$ millions	Banks	Official sector	Non-bank private sector		Total
			Non-bank financial institutions	Non-financial private sector	
As at 31 December 2019					
Developed countries	11,773	11,377	–	2,448	25,598
Offshore centres, of which	229,903	742	457	37,141	268,243
– Singapore	229,526	5	–	808	230,339
– Hong Kong	372	737	457	33,521	35,087
– Others	5	–	–	2,812	2,817
Developing Europe	–	–	–	162	162
Developing Latin America and Caribbean	19	–	–	31	50
Developing Africa and Middle East	3	–	–	29	32
Developing Asia-Pacific	9,718	950	–	9,345	20,013
International organisations	–	1,202	–	–	1,202
	<u>251,416</u>	<u>14,271</u>	<u>457</u>	<u>49,156</u>	<u>315,300</u>
As at 31 December 2018					
Developed countries	13,243	13,197	392	2,215	29,047
Offshore centres, of which	215,817	15	807	37,868	254,507
– Singapore	215,290	4	235	821	216,350
– Hong Kong	520	11	572	33,780	34,883
– Others	7	–	–	3,267	3,274
Developing Europe	–	–	–	81	81
Developing Latin America and Caribbean	61	–	–	40	101
Developing Africa and Middle East	22	–	–	54	76
Developing Asia-Pacific	14,723	643	–	7,148	22,514
International organisations	–	1,011	–	–	1,011
	<u>243,866</u>	<u>14,866</u>	<u>1,199</u>	<u>47,406</u>	<u>307,337</u>

The above analysis is disclosed on a net basis after taking into account the effect of any recognised risk transfer.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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16 LOANS AND ADVANCES TO CUSTOMERS

The Group employs a range of policies and practices to mitigate credit risk, one of which is the taking of collateral. The collateral includes cash, marketable securities, properties, trade receivables, inventory, equipment and other physical and financial collateral.

16.1 Loans and Advances to Customer by Loan Usage

The analysis of the Bank's gross advances to customers by loan usage and the corresponding balances covered by collateral are as follows:

In HK\$ millions	As at 31 December 2019		As at 31 December 2018	
	Outstanding balance	Balance covered by collateral	Outstanding balance	Balance covered by collateral
Gross loans and advances for use in Hong Kong				
Industrial, commercial and financial				
– Property development	1,277	1,016	4,340	4,340
– Property investment	18,167	17,551	19,433	18,871
– Financial concerns	6,152	5,346	4,054	3,618
– Stockbrokers	290	–	790	–
– Wholesale and retail trade	15,359	10,792	15,335	11,791
– Manufacturing	10,233	6,911	9,930	7,566
– Transport and transport equipment	8,854	8,037	9,925	9,184
– Recreational activities	270	238	273	234
– Information technology	888	362	882	300
– Others	5,280	3,638	5,774	3,612
Individuals				
– Loans for the purchase of flats in the Home Ownership Scheme, Private Sector Participation Scheme and Tenants Purchase Scheme or their respective successor schemes	87	87	122	122
– Loans for the purchase of other residential properties	22,879	22,879	22,244	22,244
– Credit card advances	9,243	–	8,691	–
– Others	22,423	15,793	17,117	10,668
	121,402	92,650	118,910	92,550
Trade finance (including trade bills)	26,569	9,585	36,723	10,929
Gross loans and advances for use outside Hong Kong	9,860	2,277	8,836	3,153
	157,831	104,512	164,469	106,632

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

16 LOANS AND ADVANCES TO CUSTOMERS (continued)

16.1 Loans and Advances to Customer by Loan Usage (continued)

Analysis of impaired advances, impairment allowances for the individual loan usage category which accounted for 10% or more of the Bank's advances to customers:

In HK\$ millions	Impaired advances to customers	Specific allowances	General allowances
As at 31 December 2019			
Property investment	72	2	320
Loans for the purchase of other residential properties	35	–	2
Trade finance	852	542	119
Individuals – for other private purposes	218	58	191
As at 31 December 2018			
Property investment	70	6	270
Loans for the purchase of other residential properties	15	–	4
Trade finance	832	389	162
Individuals – for other private purposes	242	56	143

16.2 Loans and Advances to Customer by Geographical Area

Please refer to Note 37 Financial Risk Management of DBS Bank (Hong Kong) Limited's financial statements for details.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

17 OVERDUE AND RESCHEDULED ASSETS

17.1 Overdue Loans and Advances to Customers

The overdue loans and advances of the Bank are analysed as follows:

In HK\$ millions	As at 31 December 2019		As at 31 December 2018	
	As at 31 December 2019	% of gross loans and advances to customers	As at 31 December 2018	% of gross loans and advances to customers
Six months or less but over three months	215	0.14	197	0.12
One year or less but over six months	329	0.21	186	0.11
Over one year	<u>1,335</u>	<u>0.84</u>	<u>1,082</u>	<u>0.66</u>
	<u>1,879</u>	<u>1.19</u>	<u>1,465</u>	<u>0.89</u>
Specific allowances made in respect of the above overdue loans and advances	<u>1,156</u>		<u>792</u>	
Current market value of collateral held against the covered portion of the above overdue loans and advances	<u>1,128</u>		<u>1,195</u>	
Covered portion of the above overdue loans and advances	<u>691</u>		<u>717</u>	
Uncovered portion of the above overdue loans and advances	<u>1,188</u>		<u>748</u>	

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

17 OVERDUE AND RESCHEDULED ASSETS (continued)

17.2 Rescheduled Advances

The rescheduled loans and advances of the Bank (excluding those which have been overdue for over three months and reported in section 17.1 above) are analysed as follows:

In HK\$ millions	As at 31 December 2019		As at 31 December 2018	
	248	0.16	346	0.21
Rescheduled loans and advances	<u>248</u>	0.16	<u>346</u>	0.21

17.3 Repossessed Assets

As at 31 December 2019, repossessed assets of the Bank amounted to HK\$78 million (31 December 2018: HK\$119 million).

17.4 Overdue Other Assets

The overdue other assets of the Bank are analysed as follows:

In HK\$ millions	As at 31 December 2019	As at 31 December 2018
Six months or less but over three months	–	–
One year or less but over six months	–	–
Over one year	<u>21</u>	<u>136</u>
	<u>21</u>	<u>136</u>

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

18 MAINLAND ACTIVITIES

The table below summarises the non-bank Mainland China exposure of the Bank (excluding its Macau Branch), categorised by types of counterparties:

As at 31 December 2019

In HK\$ millions Types of Counterparties	On-balance sheet exposure	Off-balance sheet exposure	Total
(a) Central government, central government-owned entities and their subsidiaries and joint ventures (“JVs”)	2,058	193	2,251
(b) Local governments, local government-owned entities and their subsidiaries and JVs	259	634	893
(c) PRC nationals residing in Mainland China or other entities incorporated in Mainland China and their subsidiaries and JVs	6,858	1,569	8,427
(d) Other entities of central government not reported in part (a) above	24	1	25
(e) Other entities of local governments not reported in part (b) above	200	111	311
(f) PRC nationals residing outside Mainland China or entities incorporated outside Mainland China where the credit is granted for use in Mainland China	5,793	2,097	7,890
(g) Other counterparties where the exposures are considered by the reporting institution to be non-bank Mainland China exposures	8,999	3,083	12,082
Total	<u>24,191</u>	<u>7,688</u>	<u>31,879</u>
Total assets after provision	<u>444,678</u>		
On-balance sheet exposures as percentage of total assets	<u>5.44%</u>		

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

18 MAINLAND ACTIVITIES (continued)

As at 31 December 2018

In HK\$ millions Types of Counterparties	On-balance sheet exposure	Off-balance sheet exposure	Total
(a) Central government, central government-owned entities and their subsidiaries and joint ventures (“JVs”)	2,239	115	2,354
(b) Local governments, local government-owned entities and their subsidiaries and JVs	218	139	357
(c) PRC nationals residing in Mainland China or other entities incorporated in Mainland China and their subsidiaries and JVs	10,139	1,488	11,627
(d) Other entities of central government not reported in part (a) above	–	1	1
(e) Other entities of local governments not reported in part (b) above	91	56	147
(f) PRC nationals residing outside Mainland China or entities incorporated outside Mainland China where the credit is granted for use in Mainland China	8,071	1,818	9,889
(g) Other counterparties where the exposures are considered by the reporting institution to be non-bank Mainland China exposures	8,024	2,451	10,475
Total	28,782	6,068	34,850
Total assets after provision	443,410		
On-balance sheet exposures as percentage of total assets	6.49%		

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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19 FOREIGN EXCHANGE EXPOSURES

The table below summarises the Bank's non-structural and net structural foreign currency positions which are prepared in accordance with the HKMA return of "Foreign Currency Position". The net options position is calculated on the basis of the delta-weighted position of foreign exchange option contracts. Structural foreign exchange positions of the Bank are arising from capital investments outside Hong Kong, mainly in Chinese Renminbi and Macau Pataca.

In HK\$ millions	USD	CNY	CAD	AUD	JPY	GBP	MOP	Others	Total
As at 31 December 2019									
Spot assets	181,285	11,451	184	5,231	9,227	2,903	583	8,258	219,122
Spot liabilities	(162,079)	(11,176)	(2,335)	(11,444)	(3,191)	(3,208)	(472)	(12,788)	(206,693)
Forward purchases	44,803	5,145	2,444	7,600	1,199	1,518	–	7,199	69,908
Forward sales	(63,324)	(5,404)	(243)	(1,334)	(7,046)	(1,217)	–	(2,662)	(81,230)
Net options position	1	–	–	(1)	–	(1)	–	–	(1)
Net long/(short) non-structural position	686	16	50	52	189	(5)	111	7	1,106
Net structural position	–	168	–	–	–	–	(39)	–	129
As at 31 December 2018									
Spot assets	184,056	11,595	435	4,025	8,093	2,201	489	6,635	217,529
Spot liabilities	(150,209)	(11,094)	(2,824)	(12,917)	(2,435)	(3,556)	(437)	(12,884)	(196,356)
Forward purchases	72,027	9,098	2,632	10,444	1,172	2,140	–	7,929	105,442
Forward sales	(105,783)	(9,607)	(290)	(1,496)	(6,738)	(821)	–	(1,656)	(126,391)
Net options position	2	–	–	–	–	–	–	(2)	–
Net long/(short) non-structural position	93	(8)	(47)	56	92	(36)	52	22	224
Net structural position	–	85	–	–	–	–	(50)	–	35

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

20 LIQUIDITY

20.1 Liquidity Risk Management

20.1.1 Governance

The Group's approach to liquidity risk management is based on the building blocks of governance by risk committees' oversight, policies that define overarching principles and specific risk methodologies, and standards that establish the detailed requirements.

The Group Liquidity Risk Management Policy sets out the Group's overall approach towards liquidity risk management and describes the range of strategies employed by the Group's to manage its liquidity. These include maintaining an adequate counterbalancing capacity, which corresponds to liquid assets, the capacity to borrow from the money markets as well as forms of managerial interventions that improve liquidity, to address potential cash flow shortfalls and maintaining diversified sources of liquidity. The Policy also sets out the structure and responsibilities of committees and functional units for liquidity risk management.

The Policy is supported by standards and corresponding Hong Kong addendums which establish the detailed requirements for liquidity risk identification, measurement, reporting and control. All the policies, standards and addendums would be subjected to annual review and approval from various risk committees, including the Board Risk Management Committee ("BRMC").

The Hong Kong Market and Liquidity Risk Committee ("MLRC") serves as an executive forum to provide oversight on the effectiveness of liquidity risk management framework including policies, models, systems, processes, information and methodologies. The MLRC comprises representatives from risk management and other relevant business and support units. It sets standards and provides necessary guidance on the establishment and maintenance of bank-wide Liquidity Contingency Plan ("LCP").

The day-to-day liquidity risk monitoring, control, reporting and analysis are managed by the Risk Management Group, Market and Liquidity Risk unit – an independent risk management function that reports to the Senior Risk Executive.

20.1.2 Liquidity Stress Testing

The primary measure used to manage liquidity within the tolerance defined by the Board is the cash flow maturity mismatch analysis. The analysis is performed on a regular basis under normal and adverse scenarios. It assesses the adequacy of the counterbalancing capacity to fund or mitigate any cash flow shortfalls that may occur as forecasted in the cash flow movements across successive time bands. To ensure that liquidity is managed in line with the risk tolerance, core parameters underpinning the performance of the analysis, such as the types of scenarios, survival period and minimum level of liquid assets, are pre-specified for monitoring and control.

Stress testing is performed under the cash flow maturity mismatch analysis, and covers adverse scenarios involving shocks that are general market and/or bank-specific in nature. Stress tests assess the bank's vulnerability when liability run-offs increase, asset drawdown and rollovers increase and/or liquid asset buffer reduces. In addition, ad-hoc stress tests are performed in the formulation of the internal capital adequacy assessment process.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

20 LIQUIDITY (continued)

20.1 Liquidity Risk Management (continued)

20.1.3 Funding Strategy

The Group strives to develop a diversified funding base with access to funding sources across retail and wholesale channels. In particular, the Group has continuously made inroads in growing, deepening and diversifying its deposit base, spanning retail, wealth management, corporate and institutional customers. Supplementing the deposit base, the Group continues to maintain access to wholesale channels to increase flexibility and manage funding cost in capitalising on business opportunities. The Group centrally manages its liquidity and funding positions at Hong Kong location level with the support from its Head Office.

The Assets and Liabilities Committee (“ALCO”) regularly reviews the composition and growth trajectories of the balance sheet and refine our funding strategy according to business momentum, competitive factors and prevailing market conditions.

20.1.4 Contingency Funding Plan

In the event of a potential or actual crisis, the Head Office has in place a set of LCP and respective Hong Kong Addendum, which applies to Hong Kong location level, to facilitate and prepare the management to respond in a coordinated, coherent and organized way to tide the Group over a crisis situation. The LCP establishes clear lines of responsibilities and preventive measures against and respond to a crisis situation. It also outlines the key management actions and options to be taken in managing a liquidity crisis. Stockpiling High Quality Liquid Assets, maintaining diversification of wholesale funding facilities, such as Money Market lines, Overdraft facilities, Repo facilities and access to Central Bank liquidity facilities could be served as contingent facilities while their availability depends on the types and/or severity of the crisis.

20.1.5 Liquidity Risk Mitigation

Strategies and plans are discussed at relevant committees such as BRMC, ALCO and MLRC to proactively manage liquidity risk of the Group. To mitigate the risk, the Group strives to maintain a diversified funding base and put in place a set of LCP to ensure adequate liquidity as mentioned in above paragraphs.

20.1.6 Cash Flow Maturity Mismatch Analysis*

In HK\$ millions ⁽ⁱ⁾	Less than 7 days	1 week to 1 month	1 to 3 months	3 to 12 months
2019				
Net liquidity mismatch	48,333	12,895	21,228	20,358
Cumulative	48,333	61,228	82,456	102,814
2018⁽ⁱⁱ⁾				
Net liquidity mismatch	23,470	13,080	31,037	17,573
Cumulative	23,470	36,550	67,588	85,160

(i) Positive indicates a position of liquidity surplus. Negative indicates a liquidity shortfall that has to be funded.

(ii) As the behavioural assumptions used to determine the maturity mismatch between assets and liabilities are updated from time to time, the information presented above may not be directly comparable across past balance sheet dates.

* The cash flow maturity mismatch analysis has already taken into account limitations on the transferability of liquidity.

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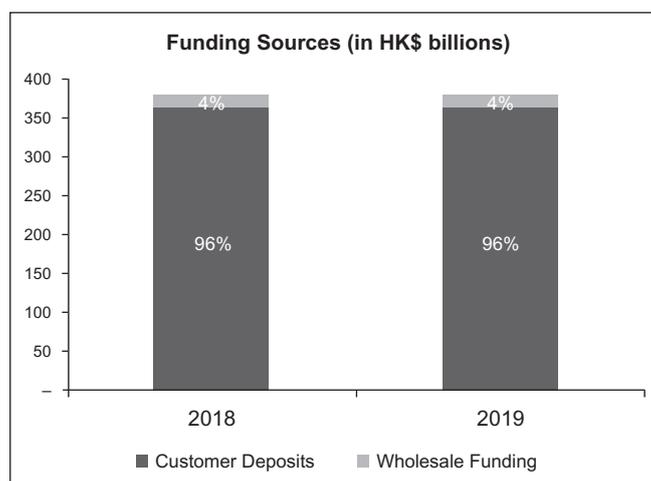
REGULATORY DISCLOSURES

20 LIQUIDITY (continued)

20.1 Liquidity Risk Management (continued)

20.1.7 Sources of Funding

The Bank's source of funding is mainly from customer deposits:



20.1.8 Liquidity Gap

The table below analyses the on- and off-balance sheet items, broken down into maturity buckets of the Bank as at 31 December 2019 based on the completion instructions of the HKMA MA(BS)23 – Liquidity Monitoring Tools:

	Total amount	Next day	2 to 7 days	8 days to 1 month	> 1 month up to 3 months	> 3 months up to 6 months	> 6 months up to 1 year	> 1 year up to 2 years	> 2 years up to 3 years	> 3 years up to 5 years	Over 5 years	Balancing amount
In HK\$ millions												
Cash and balances with central bank	2,789	2,748	-	-	-	-	-	-	-	-	-	41
Due from banks	238,724	36,933	25,997	12,717	20,454	791	16,249	125,583	-	-	-	-
Debt securities	39,859	38,166	-	-	-	-	1,195	467	31	-	-	-
Loans and advances to customers	158,465	3,659	11,668	37,942	21,045	12,267	6,617	9,760	9,742	9,860	32,137	3,768
Other assets	25,369	75	590	2,094	1,699	1,373	969	2,579	2,808	1,435	7,831	3,916
Total on-balance sheet assets	465,206	81,581	38,255	52,753	43,198	14,431	25,030	138,389	12,581	11,295	39,968	7,725
Total off-balance sheet claims	1,572	15	1,557	-	-	-	-	-	-	-	-	-
In HK\$ millions												
Deposits and balances from customers	375,185	223,425	17,207	43,689	71,017	18,020	1,827	-	-	-	-	-
Due to banks	5,932	2,202	836	1,003	820	-	1,071	-	-	-	-	-
Certificates of deposit issued	10,608	-	-	907	3,528	1,553	200	217	-	4,203	-	-
Other liabilities	30,753	3,393	337	5,018	1,967	1,427	1,277	2,666	2,712	1,657	8,001	2,298
Total on-balance sheet liabilities	422,478	229,020	18,380	50,617	77,332	21,000	4,375	2,883	2,712	5,860	8,001	2,298
Total off-balance sheet obligations	24,165	12,183	7,261	3,164	1,557	-	-	-	-	-	-	-

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

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20 LIQUIDITY (continued)

20.2 Liquidity Coverage Ratio

The Bank complies with the minimum requirement of Liquidity Coverage Ratio (“LCR”) on a daily basis, in accordance with the Banking (Liquidity) Rules issued by the HKMA. From 2019 onwards, the Bank is required to maintain an LCR of not less than 100%.

LCR aims to ensure that a bank has an adequate stock of unencumbered High Quality Liquid Assets (“HQLA”) to meet its liquidity needs for a 30-calendar day liquidity stress scenario. Banking (Liquidity) Rules stipulates the range of liquid assets that qualify as HQLA, as well as the applicable haircuts for each category. Net cash outflows are computed using the standardized 30-day cash flow rates defined in the same notice. The amounts after the application of haircuts or 30-day cash flow rates are reflected in the “Weighted value” column of the tables below.

The Bank seeks to ensure that its LCR remains above the specified regulatory minimum requirements. This is achieved by:

1. Establishing internal early warning triggers and thresholds based on observed movements in LCR over time;
2. Monitoring and managing the LCR closely to ensure it stays within established boundaries; and
3. Strategically managing the liquidity risk arising from the balance sheet structure.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

20 LIQUIDITY (continued)

20.2 Liquidity Coverage Ratio (continued)

Table: Average LCR for the quarter ended 31 December 2019

Number of data points used in calculating the average value of the LCR and related components set out in this template for the quarter ending on 31 December 2019: (75)		HK\$ millions	
		Unweighted value (average)	Weighted value (average)
Basis of disclosure: unconsolidated			
A. HQLA			
1	Total HQLA		37,721
B. CASH OUTFLOWS			
2	Retail deposits and small business funding, of which:	209,940	16,561
3	<i>Stable retail deposits and stable small business funding</i>	11,265	338
4	<i>Less stable retail deposits and less stable small business funding</i>	125,790	12,579
4a	<i>Retail term deposits and small business term funding</i>	72,885	3,644
5	Unsecured wholesale funding (other than small business funding), debt securities and prescribed instruments issued by the AI, of which:	140,626	74,520
6	<i>Operational deposits</i>	13,396	2,830
7	<i>Unsecured wholesale funding (other than small business funding) not covered in row 6</i>	126,271	70,731
8	<i>Debt securities and prescribed instruments issued by the AI and redeemable within the LCR period</i>	959	959
9	Secured funding transactions (including securities swap transactions)		
10	Additional requirements, of which:	13,523	1,813
11	<i>Cash outflows arising from derivative contracts and other transactions, and additional liquidity needs arising from related collateral requirements</i>	513	513
12	<i>Cash outflows arising from obligations under structured financing transactions and repayment of funding obtained from such transactions</i>	–	–
13	<i>Potential drawdown of undrawn committed facilities (including committed credit facilities and committed liquidity facilities)</i>	13,010	1,300
14	Contractual lending obligations (not otherwise covered in Section B) and other contractual cash outflows	3,333	3,333
15	Other contingent funding obligations (whether contractual or non-contractual)	145,494	513
16	TOTAL CASH OUTFLOWS		96,740
C. CASH INFLOWS			
17	Secured lending transactions (including securities swap transactions)	–	–
18	Secured and unsecured loans (other than secured lending transactions covered in Row 17) and operational deposits placed at other financial institutions	122,242	74,207
19	Other cash inflows	2,616	2,446
20	Total Cash Inflows	124,858	76,653
D. LIQUIDITY COVERAGE RATIO		ADJUSTED VALUE	
21	Total HQLA		37,721
22	TOTAL NET CASH OUTFLOWS		24,381
23	LCR (%)		155.0%

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

20 LIQUIDITY (continued)

20.2 Liquidity Coverage Ratio (continued)

The Bank has maintained a healthy liquidity position in the fourth quarter of 2019, with LCR being well above regulatory requirement. Quarter-on-quarter, the Bank reduced holding of HQLA, which had led to the decrease of average LCR.

(i) Composition of High Quality Liquid Assets (“HQLA”)

The Bank holds a pool of unencumbered HQLAs that is readily available to meet cash flow obligations under stress scenarios, as defined in the LCR rules. These liquid assets consist predominantly of Level 1 HQLA, including mainly Hong Kong exchange fund bills and notes, other government debt securities and balances with central banks. This is supplemented by covered bonds issued by reputable financial institutions.

(ii) Concentration of funding sources

The Bank strives to develop a diversified funding base with access to funding sources across retail and wholesale channels. Customer deposits form a sound funding base and serve as the main source of funding for the Bank. It is complemented by a well-diversified book of wholesale funding, including but not limited to interbank money market borrowing and the issuance of certificates of deposit. For more information on the Bank’s funding strategy, please refer to section 20.1.3 above.

(iii) Derivatives exposures

The Bank actively manages its over-the-counter (“OTC”) and exchange-traded derivative contracts, which comprise mainly of currency, interest rate and bond futures, foreign exchange forwards, interest rate and cross currency swaps, and foreign exchange options. Collaterals may be required to be posted to counterparties and/or the exchanges, depending on the daily mark-to-market of these derivative positions. The Bank’s largest counterparty for OTC derivatives is the Bank’s parent company.

(iv) Currency mismatch

Customer deposit in Hong Kong, largely denominated in HKD, is a major funding source for the Bank. The Bank swaps surplus HKD funding into United States Dollars (“USD”) and other foreign currencies to meet customer demand for loans.

(v) Centralisation of liquidity management

The Bank seeks to manage its liquidity in a prudent manner to ensure that its liquidity obligations would always be honored under normal and adverse circumstances. The Bank centrally manages its liquidity position and provides funding support to its overseas branch for the lending growth.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

20 LIQUIDITY (continued)

20.3 Net Stable Funding Ratio

The bank maintains a healthy liquidity position by keeping a stable balance sheet structure that is supported by a diversified funding base. The NSFR remains well above the regulatory minimum requirement of 100%.

The bank seeks to ensure that its NSFR remains above the specified regulatory minimum requirements, which is achieved by:

1. Monitoring the NSFR closely against an internal early warning trigger; and
2. Managing and developing strategies to build a diversified funding base with access to funding sources across retail and wholesale channels.

Table 1: NSFR for the quarter ended 31 December 2019

In HK\$ millions		(a)	(b)	(c)	(d)	(e)
Basis of disclosure: unconsolidated		Unweighted value by residual maturity				Weighted amount
		No specified term to maturity	< 6 months or repayable on demand	6 months to < 12 months	12 months or more	
A. Available stable funding ("ASF") item						
1	Capital:	40,341	–	–	4,203	44,544
2	<i>Regulatory capital</i>	40,341	–	–	4,203	44,544
2a	<i>Minority interests not covered by row 2</i>	–	–	–	–	–
3	<i>Other capital instruments</i>	–	–	–	–	–
4	Retail deposits and small business funding:	–	208,090	1,138	9	188,935
5	<i>Stable deposits</i>		12,412	14	–	11,804
6	<i>Less stable deposits</i>		195,678	1,124	9	177,131
7	Wholesale funding:	–	170,553	2,167	1,966	68,623
8	<i>Operational deposits</i>		16,813	–	–	8,406
9	<i>Other wholesale funding</i>	–	153,740	2,167	1,966	60,217
10	Liabilities with matching interdependent assets	–	–	–	–	–
11	Other liabilities:	11,295	8,603	200	219	319
12	<i>Net derivative liabilities</i>	–				
13	<i>All other funding and liabilities not included in the above categories</i>	11,295	8,603	200	219	319
14	Total ASF					302,421
B. Required stable funding ("RSF") item						
15	Total HQLA for NSFR purposes	959	24,256	1,673	15,947	2,268
16	Deposits held at other financial institutions for operational purposes	–	183	–	–	92
17	Performing loans and securities:	17,454	167,575	23,226	185,753	250,833
18	<i>Performing loans to financial institutions secured by Level 1 HQLA</i>	–	–	–	–	–

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES
REGULATORY DISCLOSURES
20 LIQUIDITY (continued)
20.3 Net Stable Funding Ratio (continued)

Table 1: NSFR for the quarter ended 31 December 2019 (continued)

In HK\$ millions		(a)	(b)	(c)	(d)	(e)
Basis of disclosure: unconsolidated		Unweighted value by residual maturity				Weighted amount
		No specified term to maturity	< 6 months or repayable on demand	6 months to < 12 months	12 months or more	
19	<i>Performing loans to financial institutions secured by non-Level 1 HQLA and unsecured performing loans to financial institutions</i>	88	102,953	17,259	124,846	149,006
20	<i>Performing loans, other than performing residential mortgage, to non-financial corporate clients, retail and small business customers, sovereigns, the Monetary Authority for the account of the Exchange Fund, central banks and PSEs, of which:</i>	17,366	63,363	4,978	32,351	76,431
21	<i>With a risk-weight of less than or equal to 35% under the STC approach</i>	–	–	–	–	–
22	<i>Performing residential mortgages, of which:</i>	–	1,259	989	28,554	25,394
23	<i>With a risk-weight of less than or equal to 35% under the STC approach</i>	–	–	–	–	–
24	<i>Securities that are not in default and do not qualify as HQLA, including exchange-traded equities</i>	–	–	–	2	2
25	Assets with matching interdependent liabilities	–	–	–	–	–
26	Other assets:	8,018	1,553	12	2,162	10,182
27	<i>Physical traded commodities, including gold</i>	–				–
28	<i>Assets posted as initial margin for derivative contracts and contributions to default funds of CCPs</i>	–				–
29	<i>Net derivative assets</i>	58				58
30	<i>Total derivative liabilities before deduction of variation margin posted</i>	735				NA
31	<i>All other assets not included in the above categories</i>	7,224	1,553	12	2,162	10,124
32	Off-balance sheet items		174,160	–	–	609
33	Total RSF					263,984
34	Net Stable Funding Ratio (%)					114.6%

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES
REGULATORY DISCLOSURES
20 LIQUIDITY (continued)
20.3 Net Stable Funding Ratio (continued)

Table 2: NSFR for the quarter ended 30 September 2019

In HK\$ millions		(a)	(b)	(c)	(d)	(e)
Basis of disclosure: unconsolidated		Unweighted value by residual maturity				Weighted amount
		No specified term to maturity	< 6 months or repayable on demand	6 months to < 12 months	12 months or more	
A. Available stable funding (“ASF”) item						
1	Capital:	41,084	–	–	4,234	45,318
2	<i>Regulatory capital</i>	41,084	–	–	4,234	45,318
2a	<i>Minority interests not covered by row 2</i>	–	–	–	–	–
3	<i>Other capital instruments</i>	–	–	–	–	–
4	Retail deposits and small business funding:	–	206,801	3,260	11	189,692
5	<i>Stable deposits</i>		12,484	48	–	11,905
6	<i>Less stable deposits</i>		194,317	3,212	11	177,787
7	Wholesale funding:	–	165,929	1,036	3,072	69,069
8	<i>Operational deposits</i>		15,765	–	–	7,882
9	<i>Other wholesale funding</i>	–	150,164	1,036	3,072	61,187
10	Liabilities with matching interdependent assets	–	–	–	–	–
11	Other liabilities:	21,366	11,764	–	219	219
12	<i>Net derivative liabilities</i>	390				
13	<i>All other funding and liabilities not included in the above categories</i>	20,976	11,764	–	219	219
14	Total ASF					304,297
B. Required stable funding (“RSF”) item						
15	Total HQLA for NSFR purposes	618	41,225	4,056	16,704	2,452
16	Deposits held at other financial institutions for operational purposes	–	182	–	–	91
17	Performing loans and securities:	17,485	171,158	16,781	186,452	247,170
18	<i>Performing loans to financial institutions secured by Level 1 HQLA</i>	–	–	–	–	–
19	<i>Performing loans to financial institutions secured by non-Level 1 HQLA and unsecured performing loans to financial institutions</i>	94	111,093	10,503	124,819	146,829
20	<i>Performing loans, other than performing residential mortgage, to non-financial corporate clients, retail and small business customers, sovereigns, the Monetary Authority for the account of the Exchange Fund, central banks and PSEs, of which:</i>	17,391	58,775	5,331	33,308	75,146

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

20 LIQUIDITY (continued)

20.3 Net Stable Funding Ratio (continued)

Table 2: NSFR for the quarter ended 30 September 2019 (continued)

In HK\$ millions		(a)	(b)	(c)	(d)	(e)
Basis of disclosure: unconsolidated		Unweighted value by residual maturity				Weighted amount
		No specified term to maturity	< 6 months or repayable on demand	6 months to < 12 months	12 months or more	
21	<i>With a risk-weight of less than or equal to 35% under the STC approach</i>	–	–	–	–	–
22	<i>Performing residential mortgages, of which:</i>	–	1,290	947	28,323	25,193
23	<i>With a risk-weight of less than or equal to 35% under the STC approach</i>	–	–	–	–	–
24	<i>Securities that are not in default and do not qualify as HQLA, including exchange-traded equities</i>	–	–	–	2	2
25	Assets with matching interdependent liabilities	–	–	–	–	–
26	Other assets:	7,878	2,841	6	2,241	9,819
27	<i>Physical traded commodities, including gold</i>	–				–
28	<i>Assets posted as initial margin for derivative contracts and contributions to default funds of CCPs</i>	–				–
29	<i>Net derivative assets</i>	–				–
30	<i>Total derivative liabilities before deduction of variation margin posted</i>	1,291				NA
31	<i>All other assets not included in the above categories</i>	6,586	2,841	6	2,241	9,819
32	Off-balance sheet items		173,405	–	–	635
33	Total RSF					260,167
34	Net Stable Funding Ratio (%)					117.0%

The NSFR remained well above the regulatory requirement in the second half of 2018. Compared to previous quarter, the NSFR as of end 4Q 2019 decreased mainly due to payout of dividend and increase in customer loans.

The NSFR is sensitive to (i) balance sheet movements resulting from commercial loan and deposit activities, and (ii) movements due to positions falling into the NSFR 1-year tenor, such as when the residual maturity of capital fall within the 1-year tenor.

There are no interdependent assets and liabilities as of end 3Q and 4Q 2019.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

21 SEGMENTAL INFORMATION

(a) Segmental information by class of business

In HK\$ millions 2019	Commercial and consumer banking	Treasury	Others	Total
Total income	11,016	183	1,444	12,643
Profit before allowances for credit losses	5,966	(2)	1,146	7,110
Profit before income tax	5,584	(1)	905	6,488
Operating assets	159,297	33,477	253,923	446,697
2018				
Total income	10,413	116	1,395	11,924
Profit before allowances for credit losses	5,424	(38)	1,223	6,609
Profit before income tax	4,859	(38)	1,221	6,042
Operating assets	165,474	47,658	232,529	445,661

Commercial and consumer banking business mainly comprises deposit account services, residential mortgage and other consumer lending, credit card services, corporate lending, trade finance and international banking.

Treasury Markets' activities primarily include structuring, market-making and trading across a broad range of treasury products.

Others encompass the results of corporate decisions that are not attributed to business segments.

(b) Segmental information by booking location

Over 90% of the Group's total income, profit before income tax, total assets, total liabilities, contingent liabilities and commitments are booked in Hong Kong.

22 REMUNERATION

The Bank adopts the remuneration policy and practices formulated by DBSH.

The Board of DBSHK reviewed and approved DBSHK's remuneration policy. The Board Nomination and Remuneration Committee (BNRC) provided oversight of the remuneration of the CEO, senior executives and control functions in line with the Financial Stability Board's guidelines.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

22 REMUNERATION (continued)

22.1 Objectives of DBS Remuneration Strategy

DBS' remuneration policy, which is applicable to DBS Bank and all our subsidiaries and overseas offices, seeks to ensure that we are able to attract, motivate and retain employees to deliver long-term shareholder returns taking into consideration risk management principles and standards set out by the Financial Stability Board (FSB) and the Code.

When formulating our remuneration strategy, consideration was given to aligning our remuneration approach with DBS PRIDE! values in order to drive desired behaviours and achieve the objectives set out in our balanced scorecard.

The following shows the three main thrusts of our remuneration strategy and how they are implemented within DBS:

Main thrusts	How
Pay for performance as measured against balanced scorecard	<ul style="list-style-type: none">• Instill and drive a pay-for-performance culture• Ensure close linkage between total compensation and our annual and long-term business objectives as measured by the balanced scorecard• Calibrate mix of fixed and variable pay to drive sustainable performance aligned to DBS PRIDE! values, taking into account both the "what" and "how" of achieving key performance indicators (KPIs)
Provide market competitive pay	<ul style="list-style-type: none">• Benchmark our total compensation against other organisations of similar size and standing in the markets we operate in• Drive performance differentiation by benchmarking total compensation for top performing employees against the upper quartile or higher in each market
Guard against excessive risk-taking	<ul style="list-style-type: none">• Focus on achieving risk-adjusted returns that are consistent with our prudent risk and capital management as well as emphasis on long-term sustainable outcomes• Design payout structure to align incentive payments with the long-term performance of the company through deferral and clawback arrangements• Design sales incentives plans to encourage the right sales behaviour

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

22 REMUNERATION (continued)

22.2 Summary of Current Total Compensation Elements

The table below provides a breakdown of total compensation elements, their purpose and linkages to our compensation strategy, and the policy governing their execution:

Element	Why and linkages to strategy	How
Salary	<ul style="list-style-type: none"> Attract and retain talent by ensuring our fixed pay is competitive vis-à-vis comparable institutions 	<ul style="list-style-type: none"> Set at an appropriate level taking into account market dynamics as well as skills, experience, responsibilities, competencies and performance of the employee Typically reviewed annually
Cash bonus and deferred shares	<ul style="list-style-type: none"> Provide a portion of total compensation that is performance-linked Focus employees on the achievement of objectives which are aligned to value creation for our shareholders and multiple stakeholders Align to time horizon of risk 	<ul style="list-style-type: none"> Based on DBS, business or support unit and individual performance Measured against a balanced scorecard which is agreed to at the start of the year Awards in excess of a certain threshold are subject to a tiered deferral rate that ranges from 20% to 60% with a minimum deferred quantum.

22.3 Determination of Variable Pay Pool

The variable pay pool is derived from a combination of a bottom-up and top-down approach. It is underpinned by our aim to drive a pay-for-performance culture which is aligned to our risk framework.

What	Details
Determining total variable pay pool	<ul style="list-style-type: none"> A function of our overall balanced scorecard and benchmarked against market. This is further calibrated against the following prisms: <ul style="list-style-type: none"> Risk adjustment through review of Returns on Risk-Adjusted Capital (RoRAC) Appropriate distribution of surplus earnings (after cost of equity) between employees and shareholders
Allocating pool to business units	<ul style="list-style-type: none"> Pool allocation takes into account the relative performance of each unit against their balanced scorecard as evaluated by the CEO Inputs from control functions such as Audit, Compliance and Risk are sought Country heads are also consulted in the allocation process
Determining individual award	<ul style="list-style-type: none"> Unit heads cascade their allocated pool to their teams and individuals Individual variable pay determined based on performance against goals and DBS PRIDE! values

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

22 REMUNERATION (continued)

22.3 Determination of Variable Pay Pool (continued)

The performance of control functions (Audit, Compliance and Risk) are assessed independently from the business units they support to prevent any conflicts of interests. The remuneration of the Chief Risk Officer (CRO) and Group Head of Audit are endorsed by the Chairman of Board Risk Management Committee and Audit Committee respectively and subsequently approved by the Board.

Sales employees are incentivised to promote the development of mutually beneficial long-term relationships with their customers, rather than a sole focus on short-term gains. Non-financial metrics such as customer satisfaction and compliance with fair dealing principles are incorporated into their KPIs. In 2019, we implemented deferral of sales incentives in the form of DBSH shares when such sales incentives exceeded a certain threshold.

22.4 Deferred Remuneration

Plan objectives	Details
<ul style="list-style-type: none">Foster a culture that aligns employees' interests with shareholdersEnable employees to share in DBS' performanceHelp in talent retention	<ul style="list-style-type: none">Deferred remuneration is paid in restricted shares (DBSH Share Plan) and comprises two elements: the main award and retention awardThe retention award constitutes 20% of the shares given in the main award and is designed to retain talent and compensate staff for the time value of deferralDeferred awards vest over four years, and will lapse immediately upon termination of employment (including resignation) except in the event of ill health, injury, disability, redundancy, retirement or deathSpecial Award is sometimes awarded as part of talent retention

Employees on sales incentive plans whose incentives exceed a certain threshold are also subject to deferrals which vest over 3 years and a 15% retention award.

Vesting schedule	Malus of invested awards and clawback of vested awards
Main Award <ul style="list-style-type: none">33% vest two years after grant dateAnother 33% vest three years after grant dateRemaining 34% vest four years after grant date	Malus and/or clawback will be triggered by <ul style="list-style-type: none">Material violation of risk limitsMaterial losses due to negligent risk-taking or inappropriate individual behaviorMaterial restatement of DBS' financials due to inaccurate performance measuresMisconduct or fraud
Retention Award <ul style="list-style-type: none">100% vest four years after grant date	Vested and unvested awards are subject to claw back within seven years from the date of grant

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

22 REMUNERATION (continued)

22.5 Senior Management and Material Risk Takers

In line with the principles set out by FSB, a substantial portion of remuneration for our Senior Management as well as material risk takers (i.e. other employees whose actions have a material impact on the risk exposure of the bank) are variable. The variable remuneration in excess of a certain threshold are subject to a tiered deferral rate, aligning to the time horizon of risks.

In 2019, an external management consulting firm, Oliver Wyman, was engaged to provide an independent review of the Group's compensation system and processes to ensure compliance with the FSB Principles for Sound Compensation Practices. Oliver Wyman and its consultants are independent and not related to us or any of our Directors.

For more details on the remuneration policies, please refer to DBS Group Annual Report and Pillar 3 disclosure documents.

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

23 ABBREVIATIONS

Abbreviations	Brief Description
AI	Authorised Institutions
ASF	Available Stable Funding
AT1	Additional Tier 1
BSC	Basic Approach
CCF	Credit Conversion Factor
CCP	Central Counterparty
CCR	Counterparty Credit Risk
CCyB	Countercyclical Capital Buffer
CEM	Current Exposure Method
CET1	Common Equity Tier 1
CF	Commodities Finance
CFR	Core Funding Ratio
CIS	Collective Investment Scheme
CRM	Credit Risk Mitigation
CVA	Credit Valuation Adjustment
D-SIB	Domestic Systemically Important Authorized Institution
DTAs	Deferred Tax Assets
EAD	Exposure At Default
ECL	Expected Credit Loss
EL	Expected Loss
EPE	Expected Positive Exposure
EVE	Economic Value of Equity
FBA	Fall-Back Approach
G-SIB	Global Systemically Important Authorized Institution
HQLA	High Quality Liquid Assets
HVCRE	High-volatility Commercial Real Estate
IAA	Internal Assessment Approach
IMM	Internal Models Method
IMM (CCR)	Internal Models Method (Counterparty Credit Risk)

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES**REGULATORY DISCLOSURES****23 ABBREVIATIONS (continued)**

Abbreviations	Brief Description
IPRE	Income-producing Real Estate
IRB	Internal Ratings-Based
JCCyB	Jurisdictional Countercyclical Capital Buffer
LAC	Loss Absorbing Capacity
LCR	Liquidity Coverage Ratio
LGD	Loss Given Default
LMR	Liquidity Maintenance Ratio
LR	Leverage Ratio
LTA	Look Through Approach
MBA	Mandate-based Approach
MSRs	Mortgage Servicing Rights
NA	Not Applicable
NII	Net Interest Income
NMDs	Non-maturity Deposits
NSFR	Net Stable Funding Ratio
OF	Object Finance
OTC	Over-the-Counter
PD	Probability of Default
PF	Project Finance
PFE	Potential Future Exposure
PSE	Public Sector Entity
PVA	Prudent Valuation Adjustments
RSF	Required Stable Funding
RWA	Risk Weighted Assets
SA-CCR	Standardized Approach (Counterparty Credit Risk)
SEC-IRBA	Securitization Internal Ratings-Based Approach
SEC-ERBA	Securitization External Ratings-Based Approach
SEC-SA	Securitization Standardized Approach
SEC-FBA	Securitization Fall-back Approach

DBS BANK (HONG KONG) LIMITED AND ITS SUBSIDIARIES

REGULATORY DISCLOSURES

23 ABBREVIATIONS (continued)

Abbreviations	Brief Description
SFT	Securities Financing Transaction
SRW	Supervisory Risk Weights
STC	Standardized (Credit Risk)
STM	Standardized (Market Risk)
VaR	Value-at-risk