PUBLIC DISCLOSURE ON CAPITAL ADEQUACY RATIO

(In accordance with Circular 41/2016/TT-NHNN dated 30/12/2016)

As of 28th June 2024

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TABLE OF CONTENTS

	Page No.
I. INTRODUCTION	3
II. SCOPE OF CAPITAL ADEQUACY RATIO CALCULATION	
Qualitative Content	3
Quantitative Content	4
III. CAPITAL STRUCTURE	
Qualitative Content	4
Quantitative Content	4
IV. CAPITAL ADEQUACY RATIO	
Qualitative Content	4
Quantitative Content	5
V. CREDIT RISK	
Qualitative Content	6
Quantitative Content	9
VI. OPERATIONAL RISK	
Qualitative Content	13
Quantitative Content	15
VII. MARKET RISK	
Qualitative Content	16
Quantitative Content	18

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I. INTRODUCTION

Shinhan Bank Vietnam Limited ("the Bank") is a one-member limited liability bank established by Shinhan Bank Korea and incorporated in the Socialist Republic of Vietnam. The Bank is established in Socialist Republic of Vietnam under Operation License No. 106/GP-NHNN issued by the State Bank of Vietnam ("SBV") on 17 December 2019, replacing the Establishment and Operation License No.341/GP-NHNN on 29 December 2008 and Business Registration Certificate No. 0309103635, last amended on 04 April 2022, issued by Department of Planning and Investment of Ho Chi Minh City. The operation duration of the Bank is 99 years from date of license.

The principal operations of the Bank are to mobilize short, medium and long-term funds in the forms of term deposits, demand deposits; to receive entrusted investment and development funds from domestic credit institutions; to borrow from other financial institutions; to grant short, medium and long-term loans; to contribute capital, to invest in joint-ventures, to trade bonds and to trade foreign currencies in accordance with laws; and to provide other banking services.

Risk management and ensuring capital adequacy have always been one of the top focuses in the Bank's operations. After Circular 41/2016/TT-NHNN ("Circular 41") stipulating capital adequacy ratio for banks and foreign bank branches was issued on December 30th, 2016, the Bank has focused on improving the risk management policies, system and data to meet the conditions for early application of the Circular on October 1, 2019.

Under Circular 41, all commercial banks and foreign bank branches must maintain a minimum capital adequacy ratio of 8%.

II. SCOPE OF CAPITAL ADEQUACY RATIO CALCULATION

1. Qualitative Content

According to regulations on financial reporting for credit institutions and foreign bank branches, the following entities are subject to consolidation and non-consolidation of the Bank:

- Subsidiaries: *not existed*
- Affiliated companies: *not existed*
- Exempt companies (insurance companies): *not existed*

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The Bank, consisting of no subsidiaries or affiliated companies, shall only be subject to minimum adequacy ratio based on its financial statements.

2. Quantitative Content

Amount of investment in a subsidiary which is an insurance business enterprise: *not incurred.*

III. CAPITAL STRUCTURE

1. Qualitative Content

The Bank's own capital consists mainly of contributed capital from Shinhan Bank of Korea ("Parent bank") and retained earnings from initial investment in Vietnam until now. As of 29th December 2023, the Bank has not issued any debt-equity instruments.

2. Quantitative Content

The following table presents the Bank's capital components.

Table 01 – Own Capital

Unit of currency: Million VND

No.	Criteria	Amount *(28/06/2024)*
a	Tier 1 Capital	32,257,457
b	Tier 2 Capital	732,196
c	Items deducted from Capital	144,709
d	Own Capital (d = a + b - c)	**32,844,944**

IV. CAPITAL ADEQUACY RATIO

1. Qualitative Content

(a) Procedure of capital adequacy ratio calculation

The Bank has issued internal policies and guidelines on calculating and managing capital adequacy ratio, detailing responsibilities and authorities of each stakeholder on data registering, data cleansing, calculating, monitoring, auditing & reporting on capital adequacy ratio, as well as setting up warning limits and action plans.

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Since 2013, with the support of Parent Bank, the Bank has developed Risk Data Mart to perform risk management according to Basel II standards. By 2019, the Bank has upgraded system and fully implement the requirements for calculating capital adequacy ratio as prescribed in Circular 41. Based on an integrated database from core banking and market data, the system creates an automated process of calculating capital adequacy ratio.

(b) Capital planning to ensure capital adequacy ratio

After setting target capital adequacy ratio for next 3 years, the Bank shall annually assess the business and legal environment to make appropriate adjustment. The Bank's business and capital planning shall be closely linked to the established target capital adequacy ratio.

2. Quantitative Content

Table 02 – Risk Weighted Assets & Capital Adequacy Ratio

Unit of currency: Million VND

Criteria	Amount *(28/06/2024)*
Credit risk weighted asset, in which:	145,346,538
Credit risk	*144,538,382*
Counterparty credit risk	*808,156*
Capital requirement for operational risk	1,672,406
Capital requirement for market risk	177,857
Tier 1 capital ratio (%)	19.06
Capital adequacy ratio (%)	**19.50**

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V. Credit Risk

"Credit risk" is the risk that customers do not perform or are unable to partially/fully perform the loan repayment obligations under contracts/agreements with the Bank, excluding the cases exposed to counterparty credit risk. In which, customers (including credit institutions, foreign bank branches) have relations with the Bank in receiving credit (including receiving credits through trust), receiving deposits, and corporate bond issuance.

"Counterparty credit risk" is the risk that the counterparty does not perform or is unable to partially/fully perform its payment obligations before or in the due date of its proprietary, repo, and reverse repo transactions; trading of derivative products for hedging risks; FX trading, financial asset trading to serve the customers and counterparties' demand. In which, counterparty (including credit institutions, foreign banks' branches) have transactions with the Bank including proprietary transactions; repo transaction and reverse repo transaction; trading of derivative products to prevent risks; FX trading, financial asset trading to serve the customers and counterparties' demand.

1. Qualitative Content

(a) Credit Risk Management policy

The Bank's credit risk management policy is issued and periodically reviewed/updated to ensure credit risk management is adhered throughout the process of approaching, assessment, approval and post disbursement management to comply with regulations of SBV and relevant laws.

❖ **Credit risk management principles**

i) Risk and profit shall be balanced. When there is conflict in the pursuit of balancing risk and profitability, mitigating risk shall take priority;

ii) The Bank shall attempt to improve bank-wide RAROC (Risk adjusted Returns on Capital) through the management of expected loss and unexpected loss; and

iii) For all transactions which may have potential credit risk, the Bank shall attempt to quantify credit risk, establish limits together with other appropriate actions.

❖ **Credit risk management strategy**

The Bank manages asset soundness by applying separate limits on non-performing loan ratio and non-performing credit ratio for each customer type, as well as each industry and economic sector. In addition, the Bank determines credit risk premium by charging interest rates according to the customer's creditworthiness and credit enhancement measures.

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❖ **Credit risk management structure**

Similar to operational risk, market risk, and other major risks, credit risk management is organized as following.

i) *Senior management's supervision:*

- Members' Committee: To promulgate regulations, policies and risk appetites on credit risk management within the authority of the Members' Committee complying with the Bank's Charter and provisions of related laws.
- Risk Management Committee: To assist and advise the Members' Committee in credit risk management.
- Board of Controllers: To oversee the Internal Audit Department in performing internal audit for credit risk management.
- General Director: To promulgate credit risk limits according to the Bank's strategic plans and risk appetites as well as oversee the execution of strategies, policies, resolutions and decisions set forth by Members' Committee.
- Risk Committee: To assist General Director in matters related to credit risk.
- Risk Settlement Committee: To approve and decide on matters related to loan classification, setting up provisions, use of provisions against credit risk and recovery measures for charged-off debts.

ii) *Business units, related management departments:* are organized as 03 defensive lines as following:

- *First line of defense:* All departments and branches that hold assets related to credit risk, generate revenue and take risk-based decisions will bear the primary responsibility.
- *Second line of defense:* departments in charge of risk management, credit policy and legal & compliance are functioned as second line in credit risk management.
    - Propose to build up and revise Credit policy, Credit risk management policies as needed;
    - Advise senior management on issues related to credit risk management;
    - Develop, validate, and upgrade credit risk assessment framework and model in a timely manner;
    - Maintain and enhance Early Warning System to identify customers whose repayment capability is deteriorating in order to propose timely resolutions; and
    - Managing and monitoring credit risk limits, etc.

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- *Third line of defense:* Internal audit department examines the compliance of credit policies, credit risk management policies to detect frauds, technical errors; and request corrections and/or policy amendments.

❖ **Internal credit rating system**

The system has been built up to quantify criteria for assessing the likelihood of customers' default on their repayment obligations, including macro socio-economic factors and business environment. The internal credit rating system not only evaluates creditworthiness of customers before making any credit decision but also periodically after loan disbursement in order to control asset soundness, debt classification, and timely take measures to handle bad credits.

(b) List of eligible independent credit rating agencies for calculating the capital adequacy ratio

The Bank is using independent credit ratings of the following eligible organizations: Standard & Poor, Moody's and Fitch Ratings.

(c) List of qualified credit risk mitigations: Collaterals, Guarantee, On Balance- Sheet Netting and Credit Derivatives

Table 03 – List of qualified credit risk mitigations

No.	Credit risk mitigations
1	Collaterals - *Cash, valuable papers, passbooks issued by credit institutions or foreign bank branches*
2	On Balance-sheet Netting
3	Guarantee
4	Credit Derivatives - *Credit insurance policy*

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2. Quantitative Content

❖ **Credit risk weighted assets by eligible independent credit rating agencies as following.**

Table 04 – Credit risk weighted assets
(By independent credit rating agency)

Unit of currency: Million VND

By Credit Ratings		Risk Weight	Amount (28/06/2024)		
			Fitch Rating	S&P	Moody's
Claims on countries' governments or central banks, non-central government public sector entities (PSEs) or local governments					
AAA ~ AA-		0%	-	-	-
A+ ~ A-		20%	-	-	-
BBB+ ~ BBB-		50%	-	-	-
BB+ ~ B-		100%	-	-	-
Under B or unrated		150%	-	-	-
Claims on foreign financial institutions *(including foreign bank branches operating in Vietnam)*					
AAA ~ AA-		20%	-	347,605	-
A+ ~ BBB-		50%	12,069,415	7,381,307	583,509
BB+ ~ B-		100%	-	-	-
Under B or unrated		150%			274,596
Claims on domestic credit institutions					
Claims with original terms ≥ 3 months	AAA ~ AA-	20%	-	-	-
	A+ ~ BBB-	50%	-	-	-
	BB+ ~ BB-	80%	-	-	9,558,296
	B+ ~ B-	100%	-	-	303,590
	Under B or unrated	150%			1,572,435
Claims with original terms < 3 months	AAA ~ AA-	10%	-	-	-
	A+ ~ BBB-	20%	-	-	-
	BB+ ~ BB-	40%	300,093	1,052,008	3,218,957
	B+ ~ B-	50%	-	-	150,055
	Under B or unrated	70%			2,238,996
Total					**39,050,862**

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❖ **Credit risk weighted assets by different parties' risk factor**

Table 05 - Credit risk weighted assets

(By different parties' risk factor)

Unit of currency: Million VND

No.	Criteria	Amount *(28/06/2024)*
1	Claims on Vietnam Government, SBV, State Treasury, policy banks	-
2	Claims on foreign financial institutions	20,656,432
3	Claims on foreign bank branches operating in Vietnam	6,573,877
4	Claims on domestic credit institutions	11,820,553
5	Claims on corporate loans	50,016,957
6	Claims on real estate backed loan	295,923
7	Claims on home mortgage loan	242,481
8	Claims on regulatory retail credits	53,003,576
9	Claims on NPL	983,830
10	Other assets	944,753
Total credit risk weighted assets		**144,538,382**

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❖ **Credit risk weighted assets by industry**

Table 06 - Credit risk weighted assets

(By industry)

Unit of currency: Million VND

No.	Industry	Amount *(28/06/2024)*
1	Mining	94,410
2	Agriculture, Forestry & Fishing	148,395
3	Hotel & Restaurant	283,657
4	Transportation and Warehouse	2,480,577
5	Wholesale and Retail	5,472,211
6	Construction, Real Estate	2,222,781
7	Service	6,005,542
8	Manufacturing (Heavy industry)	15,483,275
9	Manufacturing (Light industry)	16,419,255
10	Individuals	53,246,057
11	Finance and Banking	40,751,943
12	Others	1,930,279
Total credit risk weighted assets		**144,538,382**

❖ **Credit risk weighted assets (including On-Balance Sheet & Off-Balance Sheet) before and after applying credit risk mitigation ("CRM") measures.**

Table 07 - Credit risk weighted assets

(Before and after credit risk mitigations)

Unit of currency: Million VND

(28/06/2024)

Total credit risk weighted assets before CRM	CRM measures				Total credit risk weighted assets after CRM
	Collateral	*On Balance-sheet Netting*	*Guarantee*	*Credit Derivatives*	
152,097,132	6,397,192	-	985,582	175,976	**144,538,382**

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❖ **Counterparty credit risk weighted asset**

Table 08 – Counterparty credit risk weighted assets

Unit of currency: Million VND

No.	Criteria	Amount (28/06/2024)
1	Derivatives	808,156
Total counterparty credit risk weighted assets		**808,156**

❖ **Counterparty credit risk weighted assets before and after applying credit risk mitigation ("CRM") measures.**

Table 09 – Counterparty credit risk weighted assets

(Before and after credit risk mitigations)

Unit of currency: Million VND

(28/06/2024)

Total Counterparty credit risk weighted assets before CRM	CRM measures				Total Counterparty credit risk weighted assets after CRM
	Collateral	*On Balance-sheet Netting*	*Guarantee*	*Credit Derivatives*	
808,156	-	-	-	-	**808,156**

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VI. OPERATIONAL RISK

"Operational risk" refers to the risk arising from inadequate or faulty internal processes, human/system errors, or external events that causes financial losses or negative non-financial impacts on the Bank (including legal risk; not including reputation risk & strategy risk).

1. Qualitative Content

(a) Operational risk management policy

The Bank's operational risk management policy is issued and regularly reviewed, revised to ensure that operational risks are controlled and managed strictly, in accordance with management principle and strategy mentioned below.

❖ **Operational risk management principles**

Operational risk shall be managed under the following principles:

i) The amount of loss arising from operational risk and the frequency of incidents shall be considered;

ii) Those events which rarely occur but have huge impact shall be noted;

iii) Any changes to business environments and internal management shall be considered;

iv) Operational risk shall be managed with a focus on prevention through systematic data collection and analysis; and

v) Risk awareness shall be emphasized through employee trainings and campaigns aiming to reduce operational risk.

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❖ **Operational risk management strategy**

i) Compliance with principles of operational risk management aforementioned;

ii) Development of and compliance with standard guidelines in using outsourcing activities, purchasing insurance, and applying technology; and

iii) Establishment and testing the business continuity plan.

❖ **Operational risk management framework**

Besides outlining principle and strategy, the Bank's operational risk management policy also covers the followings:

i) Establish and monitor operational risk limits, which consist of financial loss limits based on 06 business groups, and non-financial loss limits (including prestige, reputation, and incurred legal liabilities);

ii) Fully identify operational risks in every product, business activity, business process, information technology systems and other management systems;

iii) Measure and monitor operational risk through collecting, quantifying, and analyzing loss data compiled by internal & external audit, in conjunction with other suitable methods;

iv) Managing operational risk in compliance with following guiding principles: (1) tolerating unavoidable or acceptable risks; (2) transferring risk to third parties through outsourcing or insurance instruments when risk exceeding acceptable range; (3) controlling operational risk by reducing frequency or impact; and (4) avoiding risks by suspending or restricting a number of related activities;

v) Managing operational risks for new products, new markets, outsourcing and operational risk management in technology applications; and

vi) Business continuity plan, etc.

(b) Business Continuity Plan

The Bank has established and tested Business Continuity Plan in congruence with operational risk management strategy. Business Continuity Plan shall meet the following minimum requirements:

i) Conformity with characteristics and business scale of the Bank;

ii) Back-up resources of man power, IT infrastructure, and database;

iii) Measures to minimize losses from discontinued operations;

iv) Resume discontinued operations within a targeted timeline; and

v) To be reviewed and tested at least annually to determine the effectiveness of the plan and revise accordingly (if needed).

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2. Quantitative Content

Table 10: Required Capital for Operational risk

Unit of currency: Million VND

(28/06/2024)

Term (last 12 quarters)	Business Indicator									Business Indicator (IC + SC +FC)	Alpha	Required capital for Operational Risk
	IC = |Interest Income – Interest Expense|		SC = ∑ (Income from services/other, Expenses for services/others)				FC = ∑|Net gain/loss from FX trading, trading of Trading & Investment Securities|				
	Interest incomes	*Interest expenses*	*Income from services*	*Expense for services*	*Other incomes*	*Other expenses*	*|Net gains/losses from FX trading|*	*|Net gains/ losses from trading of Trading Securities|*	*|Net gains/losses from trading of Investment Securities|*			
04 primary quarters	7,076,500	1,611,087	866,156	474,936	651,202	544,268	742,337	-	4,470	**8,748,780**	15%	**1,312,317**
04 following quarters	10,549,037	2,905,387	1,057,211	569,577	865,423	827,247	829,888	-	7,313	**11,800,309**	15%	**1,770,046**
04 last quarters	11,972,965	3,495,807	1,065,640	670,631	970,983	897,211	769,962	-	47,451	**12,899,034**	15%	**1,934,855**
Total required capital for Operational Risk										**1,672,406**		

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VII. MARKET RISK

"**Market risk**" refers to the risk that may arise due to an adverse fluctuation in interest rates, gold prices, stock prices and commodity prices in the market. Market risk includes interest rate risk, foreign exchange risk, stock price risk and commodity price risk.

1. Qualitative Content

(a) Market risk management policy

The Bank's market risk management policy is issued and regularly reviewed, revised to ensure that market risks are well recognized, measured, monitored and closely managed.

❖ **Market risk management strategy**

The Bank has developed market risk management strategy and periodically updated, adjusted timely when there is a change in business/legal environment to achieve risk management goals:

i) Market risk position in trading book should be subject to hedging measures;

ii) Comply with principles of market risk management in normal condition, stress condition regarding securities price, commodity price, exchange rate, gold price. interest rate in accordance with internal guidelines; and

iii) Applying market risk hedging measures, including:

- ✓ Monitoring and controlling the limits approved by General Director;
- ✓ Conducting FX dealing for the purpose of hedging in asset and liability;
- ✓ The Bank may perform FX dealing at the request of its customers. However, it should take a back-to-back transaction to close any open FX position.

❖ **Market risk management framework**

i) The responsible parties for market risk management include the senior management performing supervisory functions, the departments and business units which are divided by functions and roles according to the internal control systems, including 03 defensive lines:

- ✓ First defensive line: business units bear the primary responsibility for market risk management;
- ✓ Second defensive line: Risk Management Division shall conduct specialized management to market risk;

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- ✓ Third defensive line: Internal Audit Department shall perform assigned responsibilities consistent with internal control guideline and internal audit guideline.

ii) Market risk is managed by establishing and monitoring the implementation of market risk limits; including capital charge for market risk, interest rate risk limit, FX position limit, etc.

iii) A comprehensive guidance on market risk management consists of policies, processes and regulations, which outlines framework, principles and methodologies are issued, reviewed, updated, and shared among related units.

iv) The measurement of market risk is performed by a department independent from the business units; equipped with adequate IT infrastructure and database access. In addition, the Bank delegates individual approval authority, implements measures to hedge market risks.

v) Monitoring and reporting on market risk are carried out regularly through limit warning system and periodic reports (daily/monthly/quarterly) in order to promptly alert business units and senior management.

(b) Proprietary trading strategy

i) Proprietary trading strategy - Currencies: Based on internal regulations, the Bank may undertake foreign exchange transactions under customers' request. In principle, the Bank must perform back-to-back transactions to close foreign exchange positions. However, based on the actual situation or liquidity need, the Head of Capital Market Division may decide to keep the foreign exchange position within the acceptable limits from time to time.

ii) Proprietary trading strategy - Derivatives: the Bank currently incurred no proprietary trading on derivative products.

iii) Proprietary trading strategy – Valuable papers: the Bank currently incurred no proprietary trading on valuable papers.

(c) Trading book portfolio

The Bank's trading book consists of the following.

i) Foreign exchange transactions: to facilitate the demand of customers and counterparties, together with their corresponding back-to-back transactions.

ii) Derivatives transactions: to facilitate the demand of customers and counterparties, together with their corresponding back-to-back transactions.

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2. Quantitative Content

Table 11 - Required capital for Market risk

Unit of currency: Million VND

No	Criteria	Required Capital *(28/06/2024)*
01	Charged for interest rate risk	12,196
02	Charged for foreign exchange risk	165,662
03	Charged for share price risk	-
04	Charged for commodity price risk	-
05	Charged for options risk	-
Total		**177,857**

We hereby confirm that the information provided herein is accurate and take all legal responsibilities regard to contents of the public diclosure.

Ho Chi Minh City, 27th August 2024

Shinhan Bank Vietnam Limited

NGÂN HÀNG TNHH MỘT THÀNH VIÊN SHINHAN VIỆT NAM

Kang GewWon

General Director

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