



# SUMITOMO MITSUI BANKING CORPORATION

## Pillar III Disclosures As at 30 September 2023

### Key prudential metrics

Unit : Million Baht

Items	30-Sep-2023	31-Mar-2023
<b>Capital Fund</b>		
Total capital	106,303	99,149
Fully loaded ECL total capital	106,303	99,149
<b>Risk-Weighted Assets (RWA)</b>		
Total Risk-Weighted Assets	351,776	350,809
<b>Total capital to risk-weighted assets (%)</b>		
Total Capital ratio	30.22%	28.26%
Fully loaded ECL total capital ratio	30.22%	28.26%
<b>Capital Buffers Ratio (%)</b>		
Conservation buffer	2.50%	2.50%
Countercyclical buffer	-	-
<b>Total Capital Buffer</b>	<b>2.50%</b>	<b>2.50%</b>
Capital ratio in excess of minimum requirements	19.22%	17.26%
<b>Liquidity Coverage Ratio (LCR)</b>		
Total high-quality liquid assets (HQLA)	137,650	124,939
Total net cash outflows	62,488	52,361
LCR (%)	220.28%	238.61%

### Capital Fund

#### Item 1: Capital structure

Unit : Million Baht

Items	30-Sep-2023	31-Mar-2023
<b>1 Assets required to be maintained under Section 32</b>	<b>108,878</b>	<b>111,542</b>
<b>2 Sum of net capital for maintenance of assets under Section 32 and net balance of inter-office accounts (2.1+2.2)</b>	<b>136,685</b>	<b>147,541</b>
2.1 Capital for maintenance of assets under Section 32	106,319	99,166
2.2 Net balance of inter-office accounts which the branch is the debtor (the creditor) to the head office and other branches located in other countries, the parent company and subsidiaries of the head office	30,366	48,375
<b>3 Total regulatory capital (3.1-3.2)</b>	<b>106,303</b>	<b>99,149</b>
3.1 Total regulatory capital before deductions (The lowest amount among item 1 item 2 and item 2.1)	106,319	99,166
3.2 Deductions	16	17

#### Item 2: Capital adequacy

Table 1: Minimum capital requirement for credit risk classified by type of assets under the Standardized Approach (SA)

Unit : Million Baht

Minimum capital requirement for credit risk classified by type of assets under the SA	30-Sep-2023	31-Mar-2023
<b>Performing claims</b>		
1 Claims on sovereigns and central banks, multilateral development banks (MDBs), and non-central government public sector entities (PSEs) treated as claims on sovereigns	107	6
2 Claims on financial institutions, non-central government public sector entities (PSEs) treated as claims on financial institutions, and securities firms	4,768	3,618
3 Claims on corporate, non-central government public sector entities (PSEs) treated as claims on corporate	30,666	32,181
4 Claims on retail portfolios	-	-
5 Claims on housing loans	-	-
6 Other assets	96	60
<b>Non-performing claims</b>	<b>2</b>	<b>2</b>
<b>First-to-default credit derivatives and Securitizations</b>	<b>-</b>	<b>-</b>
<b>Total minimum capital requirement for credit risk under the SA</b>	<b>35,639</b>	<b>35,867</b>

Table 2: Minimum capital requirement for market risk for positions in the trading book (Standardized measurement approach)

Unit : Million Baht

Minimum capital requirement for market risk (positions in the trading book)	30-Sep-2023	31-Mar-2023
Calculate by Standardized approach	1,263	1,244
<b>Total minimum capital requirement for market risk</b>	<b>1,263</b>	<b>1,244</b>

Table 3: Minimum capital requirement for operational risk (BIA)

Unit : Million Baht

Minimum capital requirement for operational risk	30-Sep-2023	31-Mar-2023
Calculate by Basic Indicator Approach	1,793	1,475
<b>Total minimum capital requirement for operational risk</b>	<b>1,793</b>	<b>1,475</b>

Table 4: Total risk-weighted capital ratio

Unit: %

Ratio	30-Sep-2023	31-Mar-2023
<b>Total capital to risk-weighted assets</b>	<b>30.22%</b>	<b>28.26%</b>

**Market risk exposures****Market risk under the Standardized Approach**

Unit : Million Baht

<b>Minimum capital requirements for market risk under the Standardized Approach</b>	<b>30-Sep-2023</b>	<b>31-Mar-2023</b>
Interest rate risk	1,071	1,022
Equity position risk	-	-
Foreign exchange rate risk	192	222
Commodity risk	-	-
<b>Total minimum capital requirements</b>	<b>1,263</b>	<b>1,244</b>

**Additional disclosure of capital information under the BCBS requirements (Composition of capital disclosure requirements)****Disclosure of capital information in transitional period under the Basel III**

Unit : Million Baht

<b>Value of capital, inclusions, adjustments and deductions for the period of September 30, 2023</b>	
<b>In case of foreign bank branch</b>	
Capital of foreign bank branch	106,319
<u>Less</u> deduction from capital of foreign bank branch	16
<b>Total capital of foreign bank branch</b>	<b>106,303</b>

Location of Basel III disclosures of Sumitomo Mitsui Financial Group

Risk Management :

[https://www.smfg.co.jp/english/gr2023/pdf/2308\\_ird\\_e00.pdf](https://www.smfg.co.jp/english/gr2023/pdf/2308_ird_e00.pdf)

Capital Ratio Information : SMFG

[https://www.smfg.co.jp/english/gr2023/pdf/2308\\_ird\\_e00.pdf](https://www.smfg.co.jp/english/gr2023/pdf/2308_ird_e00.pdf)

Capital Ratio Information : SMBC

[https://www.smfg.co.jp/english/gr2023/pdf/2308\\_ird\\_e00.pdf](https://www.smfg.co.jp/english/gr2023/pdf/2308_ird_e00.pdf)



**SMBC**  
**Bangkok Branch**

**Pillar III Disclosures**  
**2022**

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**as at March 31, 2023**

**SUMITOMO MITSUI BANKING CORPORATION**  
**Bangkok Branch**

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## Introduction

The ongoing capital requirements for international banks are now governed on an overall basis by a capital accord formulated by the Basel committee on Banking Supervision, known as Basel II. The Basel II framework describes a more comprehensive measure and minimum standards for capital adequacy to ensure that a bank hold capital reserves appropriate to the risk. This requirement involves a three-pillar approach, with each individual Pillar being an important and mutually reinforcing element in determining the overall capital which an institution needs to have in place.

- Pillar I is **Minimum Capital requirement**, deals with maintenance of regulatory capital calculated for three major components of risk which is credit risk, market risk and operational risk.
- Pillar II is **Supervisory Review**, deals with the regulatory response to the first pillar and all other risks that bank face. This enables capture of other wider general risks to ensure the bank management is exercising sound judgment and has set aside adequate capital for these risks.
- Pillar III is **Market Discipline**, to promote transparency in disclosing information on capital fund maintenance and risk management, enabling outsiders or market participants to use such information in assessing the risk profile of each bank to build up a sound risk management system,

This annual disclosure report provides more explanatory details on the branch's risk management and the measures adopted to monitor and report within this framework. Detailed in this report are the major components of capital structure, the key risk exposures and the associated capital requirements. The qualitative disclosures in this report will be updated on an annual basis and more frequently if there are significant changes in risk management policy of the bank during the disclosure period.

It is important to note that some quantitative figures have been prepared in accordance with the new regulatory capital requirement framework as per the BOT guidelines, rather than in accordance with Thai Accounting Standards (TAS). Therefore, information in the disclosure is not directly comparable with information in the Annual Report.

### Disclosure A: Scope of application

The information disclosures of SMBC, Bangkok Branch as of March 31, 2023 are available on a standalone basis within four month from the end of accounting period on the SMBC website at URL: <https://www.smbc.co.jp/asia/thailand/> , whereas the Pillar III disclosure of Sumitomo Mitsui Financial Group on a consolidated basis are available on website at <https://www.smfg.co.jp/english/investor/financial/> .

The branch has adopted the Standardized Approach (SA) for measuring credit risk and market risk and Basic Indicator Approach (BIA) for operational risk in order to compute its regulatory capital requirements.

### Key Risk Indicators

The table below presents SMBC Bangkok Branch's key risk indicators as at 30 September 2022 and 31 March 2023.

Key prudential metrics	Unit : Million Baht	
	31-Mar-2023	30-Sep-2022
<b>Capital Fund</b>		
Total capital	99,149	110,225
Fully loaded ECL total capital	99,149	110,225
<b>Risk-Weighted Assets (RWA)</b>		
Total Risk-Weighted Assets	350,809	405,717
<b>Total capital to risk-weighted assets (%)</b>		
Total Capital ratio	28.26%	27.17%
Fully loaded ECL total capital ratio	28.26%	27.17%
<b>Capital Buffers Ratio (%)</b>		
Conservation buffer	2.50%	2.50%
Countercyclical buffer	-	-
Total Capital Buffer	2.50%	2.50%
Capital ratio in excess of minimum requirements	17.26%	16.17%
<b>Liquidity Coverage Ratio (LCR)</b>		
Total high-quality liquid assets (HQLA)	124,939	78,866
Total net cash outflows	52,361	57,723
LCR (%)	238.61%	136.63%

### Disclosure B: Capital

#### 1. Capital Structure

**Qualitative Disclosure:** As of March 31, 2023, the net total regulatory capital after deduction was THB 99,149 million which consist of assets or securities maintain according to Section 32 of Financial Institutions Businesses Act B.E.2551 and regulatory adjustment.

The total assets maintained under Section 32 of the branch were comprised of Thai government securities, bonds issued by the Bank of Thailand, deposits and debt instruments with state organizations or state enterprises established under a specific law or other state enterprises as approved by the Bank of Thailand

The BOT has issued the notification to revise the components of regulatory capital with effective on 1 January 2013. And items to be deducted from the capital that do not reflect true capital are added from January 1, 2014 onwards. The deduction items are goodwill, intangible asset, gain on sale related to securitization transactions and significant investments in common shares and warrant etc.

**Table 1 : Capital of Foreign Bank Branches**

Unit : Million Baht

Item	31/Mar/2023	30/Sep/2022
<b>1. Assets required to be maintained under Section 32</b>	<b>111,542</b>	<b>115,298</b>
<b>2. Sum of net capital for maintenance of assets under Section 32 and net balance of inter-office accounts (2.1+2.2)</b>	<b>147,541</b>	<b>186,059</b>
2.1 Capital for maintenance of assets under Section 32	99,166	110,240
2.2 Net balance of inter-office accounts which the branch is the debtor (the creditor) to the head office and other branches located in other countries, the parent company and subsidiaries of the head office	48,375	75,818
<b>3. Total regulatory capital (3.1-3.2)</b>	<b>99,149</b>	<b>110,225</b>
3.1 Total regulatory capital before deductions (The lowest amount among item 1 item 2 and item 2.1)	99,166	110,240
3.2 Deductions	17	16



## 2. Capital Adequacy

**Qualitative Disclosure:** The Branch is required to maintain the minimum capital requirement of 11% in accordance with Bank of Thailand's regulation. The capital adequacy position of the Bank is reviewed and monitored on daily basis and reported to the Assets & Liabilities Management Committee (ALM) on monthly basis.

Besides of the above, SMBC Bangkok Branch also conducts daily monitoring of deduction items from the capital funds according to Bank of Thailand's notification i.e. assess fair values at the end of the prior working day of all derivatives transactions and securities, and monitor net inter-office balance as well as assess estimated capital adequacy of the Bank before undertaking additional derivatives transactions.

A summary of the Branch's capital requirement for credit risk, market risk and operational risk and the capital adequacy ratio as of March 31, 2023 is presented below.

**Table 2 Minimum capital requirement for credit risk classified by type of assets under the SA**

Unit : Million Baht

Minimum capital requirement for credit risk classified by type of assets under the SA	31/Mar/2023	30/Sep/2022
<b>Performing claims</b>		
1. Claims on sovereigns and central banks, multilateral development banks (MDBs), and non-central government public sector entities (PSEs) treated as claims on sovereigns	6	
2. Claims on financial institutions , non-central government public sector entities (PSEs) treated as claims on financial institutions, and securities firms	3,618	4,158
3. Claims on corporates , non-central government public sector entities (PSEs) treated as claims on corporate	32,181	36,490
4. Claims on retail portfolios		
5. Claims on housing loans		
6. Other assets	60	900
<b>Non-performing claims</b>	2	2
<b>First-to-default credit derivatives and Securitisation</b>		
<b>Total minimum capital requirement for credit risk under the SA</b>	<b>35,867</b>	<b>41,551</b>

**Table 3 Minimum capital requirement for market risk for positions in the trading book (Standardized measurement approach/ Internal model)**

Unit : Million Baht

Minimum capital requirement for market risk (positions in the trading book)	31/Mar/2023	30/Sep/2022
1. Standardised approach	1,244	1,764
2. Internal model approach		
<b>Total minimum capital requirement for market risk</b>	<b>1,244</b>	<b>1,764</b>

**Table 4 Minimum capital requirement for operational risk (BIA)**

Minimum capital requirement for operational risk	31/Mar/2023	30/Sep/2022
1. Calculate by Basic Indicator Approach	1,475	1,314
<b>Total minimum capital requirement for operational risk</b>	<b>1,475</b>	<b>1,314</b>

**Table 5 Total risk-weighted capital ratio**

Ratio	31/Mar/2023	30/Sep/2022
Total regulatory capital	<b>99,149</b>	<b>110,225</b>
Risk-weighted assets :	-	-
Credit Risk	326,064	377,733
Market Risk	11,331	16,038
Operational Risk	13,413	11,946
Total risk-weighted assets	<b>350,809</b>	<b>405,717</b>
Total capital to risk-weighted assets	28.26%	27.17%
<b>Minimum requirement for capital ratio</b>	<b>11.00%</b>	<b>11.00%</b>

## Disclosure C: Risk exposure and assessment

### 1. General Qualitative Disclosure

Business and risk view is shared across SMFG Group, and there is an overarching Risk Appetite Framework (RAF) for systematic management of risk.

#### **SMFG's Risk Appetite Framework**

Within the SMFG Group's overall exercise of risk controls, we seek to secure appropriate risk / return by clarifying the types and levels of risk that we are willing to take on or prepared to tolerate for profit growth (risk appetite). Risk Appetite Framework (RAF) plays a key role in SMFG's realization of sustainable growth, and we position RAF and business strategy as the two pivots of our business management. Our basic position and risk appetite specifics are set out in an internal document for group-wide use.

#### **Risk Appetite**

At SMFG, we have a Risk Appetite Statement that provides a qualitative explanation of our approach to risk taking and risk management for such categories as soundness, profitability, and liquidity. We also have quantitative Risk Appetite Measures that function as benchmarks for risks that we are considering taking and for risk / return.

#### **Comprehensive Risk Management**

Risk is managed systematically at SMFG. Thorough assessments of the environment and risk, including Top Risks, are carried out to ensure effective operation of RAF, and there is a framework for risk analysis (stress tests) and risk capital management.

#### **Our Basic Position**

At SMFG, we classify group-wide risk into credit risk, market risk, liquidity risk, and operational risk, and we manage each risk according to its particular characteristics. Holding company SMFG provides guidance to Group companies in identifying categories of risk they need to address for their particular businesses. These risk categories are continuously reviewed and new risks are added when they arise due to changes in the operating environment.

#### **Top Risks**

We select the risks that may have a material impact on business management, mainly from the potential risks for the next 12 months, and label these Top Risks. The selection of Top Risks involves a wide-range screening for candidates, an evaluation of each risk's potential impact and probability of occurrence, and full discussion by the Risk Committee the Management Committee, and the Board of Directors. Environment and risk views are shared across the Group by means of this process, and we seek to refine our risk management by continually checking on the status of our responses to each Top Risk.

Cyber risk is one of our selections for Top Risk. Based on the growing sophistication and variety of cyberattacks and the scale of their social impact in case they cause information systems to crash, we have made reinforcement for attacks a top management priority.

## SMFG's Risk Management System

### Risk management system

Reflecting the importance of risk management, top management plays an active role in the process. The group-wide basic policies for risk management are determined by the Management Committee before being authorized by the Board of Directors. In line with SMFG's group-wide basic policies for risk management, the functions for managing major risks are consolidated at the Corporate Risk Management Department, and we seek to refine our risk management system by such means as cross-the-board reviews for each risk category. In addition, the Internal Audit Unit audits risk management to verify whether the system is working properly. Risk management systems are in place at the individual Group companies for their particular businesses in accordance with the basic policies. At SMBC, for example, specific departments have been appointed for risks associated with settlement in addition to the overall handling of such categories as credit and market risk. Each risk category is managed in accordance with its particular characteristics.

### Risk Committee

The Risk Committee is an internal committee of the Board of Directors, composed of outside directors as well as inside and outside experts. The Risk Committee meets regularly to discuss a wide range of risk management and compliance topics, including Top Risks and RAF, from a specialist viewpoint. The results are reported to the Management Committee and the Board of Directors for reflection in SMFG Group operations.

Sumitomo Mitsui Banking Cooperation, Bangkok Branch [SMBC BKK Branch] developed the Operational Risk Management Policy to generate stakeholder assurance by managing operational risk exposure adequately and in time. The policy is created based on SMBC Head Office's Operational Risk Management policy, rules, and procedure, APAC Operational Risk Framework, and local regulations [Bank of Thailand] that governed SMBC BKK Branch. These Policies are important that stipulate basic matters in the Bank's Operational Risk Management. Since Operational risk is inherent in all banking products, activities, processes, and systems, and it can also expose the Bank to potentially large losses. With the increased scope, products and services offered, new markets, regulatory changes and the high impact catastrophic external events experienced in the financial industry, there is a need to proactively manage operational risk in a comprehensive manner. This is to ensure the safety and soundness of SMBC's operating environment on an ongoing basis.

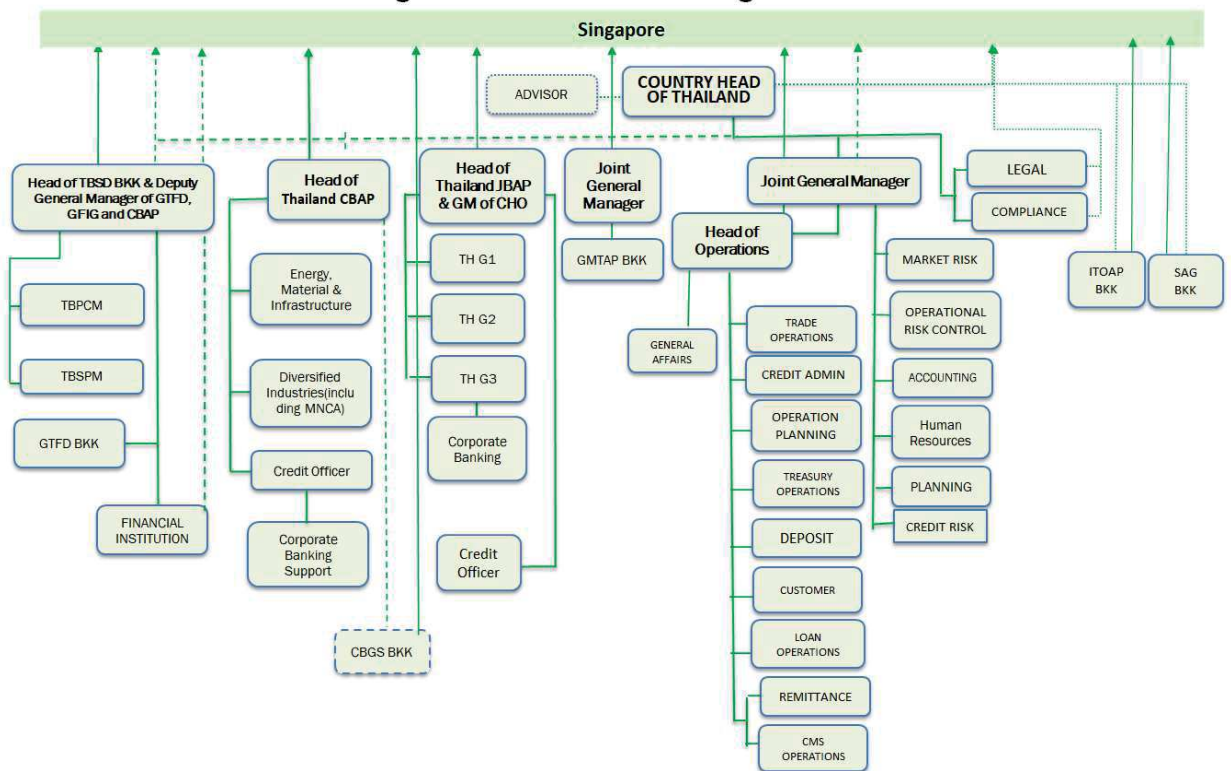
**Risk Committees** – The branch has established Risk Committees, which report to the Country Head & the management of the branch. These Committees have responsibilities for considering the risks to which the branch is exposed. The RMC is responsible for executing the approved strategy and delivering the various strategic and performance goals within the approved risk appetite. The RMC will review the Risk Appetite Measures (RAMs) against the Risk Appetite Statements (RASs) stated herein on a quarterly basis. Further, the RMC will review the Risk Appetite Framework itself and approve any changes in appetite and limits as it considers appropriate and/or recommend risk mitigations strategies which should be undertaken.

- Market Risk and Liquidity Risk issues are monitored at the Assets and Liability Management Committee.
- Credit Risk, Market Risk, Operational risk including IT, Legal and HRD report in Risk Management Committee.

Risk Appetite Framework for SMBC, Bangkok Branch (“BKK-RAF”) has been established. BKK-RAF consists of Risk Appetite Statements (“RASs”), Risk Appetite Measures (“RAMs”) and the roles and responsibilities of those overseeing the implementation, maintenance and monitoring of BKK-RAF, including reporting and escalation procedure when RAMs and RCMs are triggered. Moreover, the BKK-RAF is to evaluate opportunities for appropriate risk taking and act as a defense against

excessive risk taking, be adaptable to changing business and market conditions in order to manage new types of risk, be aligned with RAFs of SMBC Group and Regional Head office (APAC-RAF).

### Organization Chart of Bangkok Branch



## 2. Qualitative and Quantitative disclosures for each type of risk

### Credit Risk

#### Qualitative Disclosure :

##### Item 1: General information on credit risk

### 1. Basic Approach to Credit Risk Management

#### 1.1 Definition of Credit Risk

Credit risk is the possibility of a loss arising from a credit event, such as deterioration in the financial condition of a borrower, that causes an asset (including off-balance sheet transactions) to lose value or become worthless.

Overseas credits also include an element of country risk, which is closely related to credit risk. This is the risk of loss caused by changes in foreign exchange, or political or economic situations.

#### 1.2 Basic Framework of Credit Risk Management

Credit risk is the most significant risk to which SMBC is exposed. Without effective credit risk management, the impact of the corresponding losses on operations can be overwhelming.

The purpose of credit risk management is to keep credit risk exposure to a permissible level relative to capital, to maintain the soundness of Bank's assets, and to ensure returns commensurate with risk. This leads to a loan portfolio that achieves high returns on capital and assets.

#### 1.3 Credit Policy

SMBC's credit policy comprises clearly stated universal and basic operating concepts, policies, and standards for credit operations, in accordance with the business mission and rules of conduct.

SMBC is promoting the understanding of and strict adherence to its credit policy among all its managers and employees. By conducting risk-sensitive credit management, SMBC aims to enhance shareholder value and play a key part in society by providing high-value-added financial services.

### 2. Parties Involved in Credit Risk Management

At SMBC, the Credit & Investment Planning Department (CIPD) is responsible for the comprehensive management of credit risk. CIPD develops credit policies, the internal rating methodology and system related, credit authority guidelines, credit application guidelines, and manages non-performing loans (NPLs) and other aspects of credit portfolio management including stress testing and concentration risk.

CIPD also cooperates with the Corporate Risk Management Department (CPRMD) to develop risk appetite framework, quantifying credit risk and controls the Bank's entire credit risk. CPRMD also develops and validates credit risk measurement methods including quantitative models.

Additionally, CIPD has active portfolio management function whereby credit derivative and other market transactions are used to stabilize the portfolio's credit risk.

The Corporate Research Department (CRSD) performs research on industries as well as investigates the business situations of borrower enterprises to detect early signs of problems or growth potential.

The Credit Department within each business unit conduct credit risk management along with business units, for loans handled by their units and manage their units' portfolios. The credit limits are based on the baseline amounts established for each grading category, with particular attention paid to evaluating and managing customers or loans perceived to have particularly high credit risk.

The Risk Management Department consults with CPRMD and CIPD to develop plans and determine credit portfolio governance, credit management data and measurement techniques, and model risk management.

Furthermore, SMBC has established the Credit Risk Committee to round out its oversight system for undertaking flexible and efficient control of credit risk and ensuring the overall soundness of the Bank's loan operation. In addition, Risk Management Committee has been established to deliberate on overall risks concerning and to discuss risk recognitions, risk scenarios, risk appetite including stress test.

The Internal Audit Unit (IAD) operates independently of the business units and risk management units, audits asset quality, accuracy of grading and self-assessment, and state of credit risk management, and reports the results directly to the Board of Directors and the Management Committee.

At the branch level, the business units have been working closely with head office and/or regional head office to ensure a sound credit risk management. In approving credit facilities, General Manager in each business unit has approval authority, which is determined based on three set of standards, i.e. (i) credit amount standard, (ii) obligor standards, and (iii) credit facility standards. Credit amount and obligors not under GM's approval authority require head office approval. Each business unit as risk owner takes accountability on credit risk monitoring and controlling to ensure compliance of head office rules and the Bank of Thailand regulations.

### **3. Credit Risk Management Methods**

#### **3.1 Credit Risk Assessment and Quantification**

At SMBC, to effectively manage the risk involved in individual loans as well as the credit portfolio as a whole, SMBC first acknowledges that every loan entail credit risks, assesses the credit risk posed by each borrower and loan using an internal rating system, and quantifies that risk for control purposes.

##### *3.1.1 Internal Grading System*

There is an internal rating system for each asset control category set according to portfolio characteristics. For example, credits to commercial and industrial (C&I) companies, individuals for business purposes (domestic only), sovereigns, public sector entities, and



financial institutions are assigned an “obligor grade,” which indicates the borrower’s creditworthiness, and/or “facility grade,” which indicates the collectability of assets taking into account transaction conditions such as guarantee/collateral, and tenor. An obligor grade is determined by first assigning a financial grade using a financial strength grading model and data obtained from the obligor’s financial statements. The financial grade is then adjusted taking into account the actual state of the obligor’s balance sheet and qualitative factors to derive the obligor grade. In the event that the borrower is domiciled overseas, internal ratings for credit are made after taking into consideration country rank, which represents an assessment of the credit quality of each country, based on its political and economic situation, as well as its current account balance and external debt. Self-assessment is the obligor grading process for assigning lower grades, and the borrower categories used in self-assessment are consistent with the obligor grade categories.

Obligor grades and facility grades are reviewed once a year, and, whenever necessary, such as when there are changes in the credit situation.

There are also grading systems for small-and medium-sized entity (SME) loans, loans to individuals, and project finance and other structured finance tailored according to the risk characteristics of these types of assets.

The Credit & Investment Planning Department centrally manages the internal rating systems, and properly designs, operates, supervises, and validates the grading models. It validates the grading models (including statistical validation) of main assets following the procedures manual once a year, to ensure their effectiveness and suitability.

### *3.1.2 Quantification of Credit Risk*

Credit Risk quantification refers to the process of estimating the degree of credit risk of a portfolio or individual loan taking into account not just the obligor’s probability of default (PD), but also the concentration of risk in a specific customer or industry and the loss impact of fluctuations in the value of collateral, such as real estate and securities. Specially, first the PD by grade, loss given default (LGD), credit quality correlation among obligors, and other parameter values are estimated using historical data of obligors and facilities stores in a database to calculate the credit risk. Then, based on these parameters, we run a simulation of simultaneous default using the Monte Carlo method to calculate our maximum loss exposure to the estimated amount of the maximum losses that may be incurred. Based on these quantitative results, we allocate risk capital. Risk quantification is also executed of purposes such as to determine the portfolio’s risk concentration, or to simulate economic movements (stress tests), and the results are used for making optimal decisions across the whole range of business operations, including formulating business plans and providing a standard against which individual credit applications are assessed.

## **3.2 Framework for Managing Individual Loans**

### *3.2.1 Credit Assessment*

At SMBC, credit assessment of corporate loans involves a variety of financial analyses, including cash flow, to predict an enterprise’s capability of loan repayment and its growth prospects. These quantitative measures, when combined with qualitative analyses of industrial trends, the enterprise’s R&D capabilities, the competitiveness of its products or services, and its management caliber, result in a comprehensive credit assessment. The loan application is analyzed in terms of the intended utilization of the funds and the repayment

schedule. Thus, SMBC is able to arrive at an accurate and fair credit decision based on an objective examination of all relevant factors.

Increasing the understandability to customers of loan conditions and approval standards for specific borrowing purposes and loan categories is a part of SMBC's ongoing review of lending practices, which includes the revision of loan contract forms with the chief aim of clarifying lending conditions utilizing financial covenants.

### *3.2.2 Credit Monitoring System*

At SMBC, in addition to analyzing loans at the application stage, the Credit Monitoring System is utilized to reassess obligor grades and review self-assessment and credit policies so that problems can be detected at an early stage, and quick and effective action can be taken. The system includes annual monitoring carried out each time an obligor enterprise discloses fiscal financial results, as well as ad hoc monitoring performed each time credit conditions change.

## **3.3 Framework for Credit Portfolio Management**

In addition to managing individual loans, SMBC applies the following basic policies to the management of the entire credit portfolio to maintain and improve its soundness and profitability over the mid to long term.

### ***Appropriate Risk Control within Capital***

To take risk within the acceptable level of capital, SMBC set upper limits for overall risk capital based on risk appetite and portfolio plan of each business unit and monitor credit risk capital as a breakdown of overall risk capital.

### ***Controlling Concentration Risk***

Because the concentration of credit risk in an industry or corporate group has the potential to substantially impair capital, SMBC implements measures to prevent the excessive concentration of loans in an industry and to control large exposure to individual companies or corporate groups by setting guidelines for maximum loan amounts.

To manage country risk, SMBC also has credit limit guidelines based on each country's creditworthiness.

### ***Researching Borrowers More Rigorously and Balancing Risk and Returns***

Against a backdrop of drastic change in the business environment, SMBC rigorously researches borrower companies' actual conditions. It runs credit operations on the basic principle of earning returns that are commensurate with the credit risk involved and makes every effort to reduce credit and capital costs as well as general and administrative expenses.

### ***Preventing and Reducing Non-Performing Loans***

On NPLs and potential NPLs, SMBC carries out regular loan reviews to clarify handling policies and action plans, enabling it to swiftly implement measures to prevent deterioration of borrowers' business situations, support business recoveries, collect on loans, and enhance loan security.

### ***Proactive Portfolio Management***

SMBC makes active use of credit derivatives, loan asset sales, and other instruments to proactively and flexibly manage its portfolio to stabilize credit risk.

## **3.4 Self-Assessment**

## Self-Assessment

SMBC conducts rigorous self-assessment of asset quality using criteria based on the Financial Inspection Manual of the Financial Services Agency and the Practical Guideline published by the Japanese Institute of Certified Public Accountants. Self-assessment is the latter stage of the obligor grading process for determining the borrower's ability to fulfill debt obligations, and the obligor grade criteria are consistent with the categories used in self-assessment.

At the same time, self-assessment is a preparatory task for ensuring SMBC's asset quality and calculating the appropriate level of write-offs and provisions. Each asset is assessed individually for its security and collectability. Depending on the borrower's current situation, the borrower is assigned to one of five categories: Normal Borrowers, Borrowers Requiring Caution, Potentially Bankrupt Borrowers, Virtually Bankrupt Borrowers, and Bankrupt Borrowers. Based on the borrower's category, claims on the borrower are classified into Classification I, II, III, and IV assets according to their default and impairment risk levels, taking into account such factors as collateral and guarantees. As part of our efforts to bolster risk management throughout the Group, our consolidated subsidiaries carry out self-assessment in substantially the same manner.

### 3.5 Expected Credit Loss ("ECL")

Bangkok Branch adopted Thai Financial Reporting Standard 9 ("TFRS 9") on 1 April 2021 as per BOT notification Sor.Nor.Sor 23/2561. Bangkok Branch uses ECL model for provisioning of financial assets and timely recognition of changes in credit quality since the initial recognition. Risk Management Department Asia Pacific (RMDAP) in Singapore has developed ECL model for Asia Pacific branches including Bangkok Branch.

Under TFRS 9, a financial asset is classified into one of the followings stages;

Stage 1 (Performing) : Apply to financial assets that are no significant increase in credit risk ("SICR"). 12-month ECL is recognized.

Stage 2 (Under-Performing): Apply to financial assets that are SICR. Lifetime ECL is recognized.

Stage 3 (Non-Performing): Apply to financial assets that is considered as credit impaired. Lifetime ECL is recognized.

In order to determine whether SICR has taken place, Bangkok Branch uses both quantitative and qualitative factors on investment grade rating, a change in PD based on grading, as well as additional factors i.e. 30 days past due ("DPD") and whether a customer is internal rating in closely monitoring or in the Credit Alarm System (Watch List).

Bangkok Branch applies Internal rating to determine PD risk grade and SICR risk grade represented the credit worthiness and risk of default.

Key parameters to calculate ECL are PD, LGD and EAD and reflected with forward-looking information. PD and LGD parameters are derived from internally developed statistical models as developed by Regional Head Office and other historical data.

**Item 2: Credit risk exposures classified by credit risk-weighted assets calculation approach chosen by commercial banks****Calculation of Credit Risk Assets**

SMBC Bangkok Branch applies Standardized Approach (SA) to calculate credit risk assets, under which risk weight for claims on corporate debtors is assigned at 100%, except for NPLs, whereby risk weight of each debtor is subject to the provision level and overdue period.

As for claims on financial institutions, the Bank applies the Local Currency Rating or Foreign Currency Rating given by the following External Credit Assessment Institutions (ECAIs) in assigning risk weight.

- Standard & Poor's;
- Moody's Investors Services; and
- Fitch Ratings.

**Item 3: Credit Risk Mitigation under the SA**

In addition, SMBC has not applied Credit Risk Mitigation, which the Bank of Thailand allows commercial banks to use financial collateral, on-balance sheet netting, and guarantees and credit derivative to mitigate the credit risk. As such, when calculating credit risk assets, the debtor's risk weight solely applies.

**Quantitative Disclosure :**
**Table 6 Outstanding amounts of significant on-balance sheet assets and off-balance sheet items before adjusted by credit risk mitigation (Show average outstandings during the period \*\*, outstanding at the end of the period and at the end of the previous period)**

Unit : Million Baht

Item	31/Mar/2023	31/Mar/2022
<b>1. On-balance sheet assets (1.1 + 1.2 + 1.3)</b>	<b>495,713</b>	<b>434,337</b>
1.1 Net loans and Accrued Interest <sup>1/</sup>	337,549	268,363
1.2 Net Investment in debt securities <sup>2/</sup>	135,166	144,511
1.3 Deposits (including accrued interest receivables) <sup>3/</sup>	5,537	7,584
1.4 Derivative Assets	17,460	13,879
<b>2. Off-balance sheet items <sup>4/</sup> (2.1 + 2.2 + 2.3)</b>	<b>1,117,545</b>	<b>857,597</b>
2.1 Aval of bills, guarantees, and letter of credits	45,174	49,983
2.2 OTC derivatives <sup>5/</sup>	1,052,022	776,500
2.3 Undrawn committed line	20,350	31,114

\* Assets on balance sheet **not including** equity exposures. Of f -balance sheet items including equity exposures

<sup>1/</sup> Including accrued interest income, net of deferred interest income, gains or losses due to changes in the conditions, and reserves for expected credit losses; including loans and accrued interest receivable of interbank and money market items

<sup>2/</sup> Including investments in receivables but excluding accrued interest receivable and net of reserves for adjustments of security values and reserves for expected credit losses

<sup>3/</sup> Including accrued interest income, net of reserves for expected credit losses

<sup>4/</sup> Before multiplying by credit conversion factors

<sup>5/</sup> Including equity-related derivatives

**Table 7 Outstanding amounts of on-balance sheet assets and off-balance sheet items before adjusted credit risk mitigation classified by country or geographic area of debtor**

Unit : Million Baht

31/Mar/2023									
Country or geographic area of debtor	On-balance sheet assets				Derivative Assets	Off-balance sheet items <sup>4/</sup>			
	Total	Net loans and Accrued Interest <sup>1/</sup>	Net Investment in debt securities <sup>2/</sup>	Deposits (including accrued interest receivables) <sup>3/</sup>		Total	Aval of bills, guarantees of borrowings, and letter of credits	OTC derivatives <sup>5/</sup>	Undrawn committed line
1. Thailand	473,502	325,016	134,998	4,419	9,070	522,591	24,952	477,290	20,350
2. Asia Pacific (exclude Thailand)	11,292	5,998	168	1,032	4,092	292,727	18,665	274,063	-
3. North America and Latin America	3,966	1,650	-	12	2,304	153,304	920	152,384	-
4. Africa and Middle East	-	-	-	-	-	-	-	-	-
5. Europe	6,953	4,885	-	74	1,994	148,923	637	148,286	-
<b>Total</b>	<b>495,713</b>	<b>337,549</b>	<b>135,166</b>	<b>5,537</b>	<b>17,460</b>	<b>1,117,545</b>	<b>45,174</b>	<b>1,052,022</b>	<b>20,350</b>

Unit : Million Baht

31/Mar/2022									
Country or geographic area of debtor	On-balance sheet assets				Derivative Assets	Off-balance sheet items <sup>4/</sup>			
	Total	Net loans and Accrued Interest <sup>1/</sup>	Net Investment in debt securities <sup>2/</sup>	Deposits (including accrued interest receivables) <sup>3/</sup>		Total	Aval of bills, guarantees of borrowings, and letter of credits	OTC derivatives <sup>5/</sup>	Undrawn committed line
1. Thailand	411,225	255,309	144,234	6,404	5,277	433,016	23,738	378,164	31,114
2. Asia Pacific (exclude Thailand)	14,894	7,542	277	1,030	6,045	251,689	25,337	226,352	-
3. North America and Latin America	1,584	-	-	77	1,507	89,976	898	89,078	-
4. Africa and Middle East	-	-	-	-	-	10	10	-	-
5. Europe	6,634	5,512	-	72	1,049	82,906	0	82,906	-
<b>Total</b>	<b>434,337</b>	<b>268,363</b>	<b>144,511</b>	<b>7,584</b>	<b>13,879</b>	<b>857,597</b>	<b>49,983</b>	<b>776,500</b>	<b>31,114</b>

1/ Including accrued interest income, net of deferred interest income, gains or losses due to changes in the conditions, and reserves for expected credit losses; including loans and accrued interest receivable of interbank and money market items

2/ Including investments in receivables but excluding accrued interest receivable and net of reserves for adjustments of security values and reserves for expected credit losses

3/ Including accrued interest income, net of reserves for expected credit losses

4/ Before multiplying by credit conversion factors

5/ Including equity-related derivatives

Table 8 Outstanding amounts of on-balance sheet assets and off balance sheet items before credit risk mitigation classified by residual maturity

Unit : Million Baht

Item	31/Mar/2023			31/Mar/2022		
	Maturity not exceeding 1 year	Maturity exceeding 1 year	Total	Maturity not exceeding 1 year	Maturity exceeding 1 year	Total
<b>1. On-balance sheet assets (1.1 + 1.2 + 1.3)</b>						
1.1 Net loans and accrued interest <sup>1/</sup>	204,381	133,168	<b>337,549</b>	119,993	148,370	<b>268,363</b>
1.2 Net Investment in debt securities <sup>2/</sup>	113,764	21,403	<b>135,166</b>	127,167	17,344	<b>144,511</b>
1.3 Deposits (including accrued interest receivables) <sup>3/</sup>	5,537	-	<b>5,537</b>	7,584	-	<b>7,584</b>
1.4 Derivative Assets	9,794	7,666	<b>17,460</b>	7,298	6,581	<b>13,879</b>
<b>2. Off-balance sheet items <sup>4/</sup> (2.1 + 2.2 + 2.3)</b>	-	-	<b>-</b>	-	-	<b>-</b>
2.1 Aval of bills, <b>guarantees of borrowings</b> , and letter of credits	41,256	3,918	<b>45,174</b>	37,187	12,796	<b>49,983</b>
2.2 OTC derivatives <sup>5/</sup>	754,459	297,563	<b>1,052,022</b>	515,682	260,817	<b>776,500</b>
2.3 Undrawn committed line	10,404	9,945	<b>20,350</b>	12,056	19,058	<b>31,114</b>

1/ Including accrued interest income, net of deferred interest income, gains or losses due to changes in the conditions, and reserves for expected credit losses; including loans and accrued interest receivable of interbank and money market items

2/ Including investments in receivables but excluding accrued interest receivable and net of reserves for adjustments of security values and reserves for expected credit losses

3/ Including accrued interest income, net of reserves for expected credit losses

4/ Before multiplying by credit conversion factors

5/ Including equity-related derivatives

**Table 9 Outstanding amounts of financial instruments\* before credit risk mitigation and provision (General Provision and Specific Provision)**

Unit : Million Baht

Item	31/Mar/2023					
	Outstanding Amount		Provision <sup>2/</sup>	Provision under SA <sup>2/</sup>		Net Amount <sup>3/</sup>
	Defaulted Exposures <sup>1/</sup>	Non-defaulted exposures <sup>1/</sup>		General Provision	Specific Provision	
1. Net loans and accrued interest <sup>3/</sup>	1,532	337,757	1,740	208	1,532	337,549
2. Net investment in debt securities <sup>4/</sup>	-	134,998	-	-	-	134,998
3. Deposits (including accrued interest receivable)	-	5,537	-	-	-	5,537
4. Undrawn commitment and financial guarantee	-	20,350	-	-	-	20,350
	<b>1,532</b>	<b>498,642</b>	<b>1,740</b>	<b>208</b>	<b>1,532</b>	<b>498,434</b>

Unit : Million Baht

Item	31/Mar/2022					
	Outstanding Amount		Provision <sup>2/</sup>	Provision under SA <sup>2/</sup>		Net Amount <sup>3/</sup>
	Defaulted Exposures <sup>1/</sup>	Non-defaulted exposures <sup>1/</sup>		General Provision	Specific Provision	
1. Net loans and accrued interest <sup>3/</sup>	1,600	268,767	2,004	404	1,600	268,363
2. Net investment in debt securities <sup>4/</sup>	-	144,234	-	-	-	144,234
3. Deposits (including accrued interest receivable)	-	7,584	-	-	-	7,584
4. Undrawn commitment and financial guarantee	-	31,114	-	-	-	31,114
	<b>1,600</b>	<b>451,700</b>	<b>2,004</b>	<b>404</b>	<b>1,600</b>	<b>451,296</b>

\* Only financial instruments subject to impairment requirements according to the Thai Financial Reporting Standard No.9 - Financial Instruments (TFRS 9)

1/ Depending on the approach used by the reporting bank, namely (1) SA: Non-performing claims and performing claims; and (2) IRB: Defaulted exposures and non-defaulted exposures.

In determining if any exposure is a "defaulted" exposure, commercial banks shall refer to the definition of credit-impaired assets (non-performing) as specified in the Bank of Thailand Notice: Asset Classification and Provisioning of Financial Institutions.

2/ means reserves for expected credit losses according to TFRS 9. For financial instruments designated at fair value through other comprehensive income, the amount of provisions may not be determined according to the Thai Financial Reporting Standard No.7 - Disclosure Requirements for Financial Instruments (TFRS 7). And, the outstanding amounts of those instruments will be the amount

3/ Net amount = Outstanding amount - Provisions

4/ Including accrued interest income, net of deferred income and gains or losses due to changes in the conditions, and including loans and accrued interest receivable of interbank and mortgage

5/ Excluding accrued interest receivable, net of reserves for adjustments of security values, and excluding investments in receivables

6/ Including accrued interest income

7/ Before multiplying by credit conversion factors



**Table 10 Outstanding amount of loans and including accrued interest receivables and investment in debt securities before adjusted by credit risk mitigation classified by countries and geographic area of debtors\* and classification defined by the Bank of Thailand**
**Unit : Million Baht**

31/Mar/2023							
Country or geographic area of debtor	Net Loans and accrued interest <sup>1/</sup>					Net Investment in Debt Securities <sup>2/</sup>	
	Performing	Under-performing	Non-performing	POCI	Total	Performing	Total
1. Thailand	303,375	21,641	-	-	325,016	134,998	134,998
2. Asia Pacific (exclude Thailand)	5,998	-	-	-	5,998	-	-
3. North America and Latin America	1,650	-	-	-	1,650	-	-
4. Africa and Middle East	-	-	-	-	-	-	-
5. Europe	4,885	-	-	-	4,885	-	-
<b>Total</b>	<b>315,908</b>	<b>21,641</b>	<b>-</b>	<b>-</b>	<b>337,549</b>	<b>134,998</b>	<b>134,998</b>

**Unit : Million Baht**

31/Mar/2022							
Country or geographic area of debtor	Net Loans and accrued interest <sup>1/</sup>					Net Investment in Debt Securities <sup>2/</sup>	
	Performing	Under-performing	Non-performing	POCI	Total	Performing	Total
1. Thailand	237,167	18,142	-	-	255,309	144,234	144,234
2. Asia Pacific (exclude Thailand)	7,542	-	-	-	7,542	-	-
3. North America and Latin America	-	-	-	-	-	-	-
4. Africa and Middle East	-	-	-	-	-	-	-
5. Europe	5,512	-	-	-	5,512	-	-
<b>Total</b>	<b>250,221</b>	<b>18,142</b>	<b>-</b>	<b>-</b>	<b>268,363</b>	<b>144,234</b>	<b>144,234</b>

\*Commercial banks shall classify countries or geographic areas according to their internal guidelines and shall explain supporting reasons.

1/ Including accrued interest income, net of deferred income and gains or losses due to changes in the conditions, and including loans and accrued interest receivable of interbank and money market items

2/ Excluding accrued interest receivable, net of reserves for adjustments of security values, and excluding investments in receivables

**Table 11 Provisions (General provision and Specific provision) and bad debt written-off during period for loan including accrued interest receivables and investment in debt securities classified by country or geographic area of debtors\***

31/Mar/2023

Unit : Million Baht

Country or geographic area of debtor	Loans including accrued interest receivables <sup>1/</sup>			Net Investment in Debt Securities <sup>2/</sup>	
	Provisions for exposures under the SA <sup>3/</sup>		Bad debt written-off during period	Provisions for exposures under the SA <sup>3/</sup>	
	General provision <sup>4/</sup>	Specific provision		General provision <sup>4/</sup>	Specific provision
1. Thailand		185			21
2. Asia Pacific (exclude Thailand)		-			-
3. North America and Latin America		1,347			-
4. Africa and Middle East		-			-
5. Europe		-			-
<b>Total</b>	<b>208</b>	<b>1,532</b>	<b>-</b>		<b>21</b>

31/Mar/2022

Unit : Million Baht

Country or geographic area of debtor	Loans including accrued interest receivables <sup>1/</sup>			Net Investment in Debt Securities <sup>2/</sup>	
	Provisions for exposures under the SA <sup>3/</sup>		Bad debt written-off during period	Provisions for exposures under the SA <sup>3/</sup>	
	General provision <sup>4/</sup>	Specific provision		General provision <sup>4/</sup>	Specific provision
1. Thailand		168			30
2. Asia Pacific (exclude Thailand)		-			-
3. North America and Latin America		1,432			-
4. Africa and Middle East		-			-
5. Europe		-			-
<b>Total</b>	<b>404</b>	<b>1,600</b>	<b>-</b>		<b>30</b>

\* Commercial banks shall classify countries or geographic areas according to their internal guidelines and shall explain supporting reasons.

1/ Including the amounts of provisions and write-offs during the period for loans including accrued interest receivable of interbank and money market items

2/ Excluding investments in receivables

3/ Reserves for expected credit losses

4/ Total amount will be disclosed

**Table 12 Outstanding amount of loans including accrued interest receivables\* before adjusted by credit risk mitigation classified by type of business and classification defined by the Bank of Thailand**

Unit : Million Baht

31/Mar/2023					
Type of business	Performing	Under-performing	Non-performing	POCI3/	Total
- Agriculture and mining	1,650	11,222			12,872
- Manufacturing and commerce	79,011	3,258			82,269
- Real estate business and construction	19,500	-			19,500
- Public utilities and services	45,934	7,160			53,094
- Housing loans					
-Others (Commercial banks shall use their owns discretion to dertermine materiality)					
- Interbank and Money Market	77,187	-			77,187
- Other financial intermediation	92,626	-			92,626
- Others	-	1			1
<b>Total</b>	<b>315,908</b>	<b>21,641</b>	<b>-</b>	<b>-</b>	<b>337,549</b>

Unit : Million Baht

31/Mar/2022					
Type of business	Performing	Under-performing	Non-performing	POCI3/	Total
- Agriculture and mining	-	10,885			10,885
- Manufacturing and commerce	81,120	306			81,426
- Real estate business and construction	20,879	-			20,879
- Public utilities and services	48,668	4,440			53,108
- Housing loans					
-Others (Commercial banks shall use their owns discretion to dertermine materiality)					
- Interbank and Money Market	9,827	-			9,827
- Other financial intermediation	89,726	2,509			92,235
- Others	-	2			2
<b>Total</b>	<b>250,221</b>	<b>18,142</b>	<b>-</b>	<b>-</b>	<b>268,363</b>

\* Including accrued interest income, net of deferred income and gains or losses due to changes in the conditions, and including loans and accrued interest receivable of interbank and money market items

**Table 13 Provisions (General provision and Specific provision) and bad debt written-off during period for loans including accrued interest receivables\* classified by types of business**

Unit : Million Baht

Type of business	31/Mar/2023			31/Mar/2022		
	Provisions for exposures under the SA <sup>1/</sup>		Bad debt written-off during period	Provisions for exposures under the SA <sup>1/</sup>		Bad debt written-off during period
	General provision <sup>2/</sup>	Specific provision		General provision <sup>2/</sup>	Specific provision	
- Agriculture and mining					-	
- Manufacturing and commerce		176			159	
- Real estate business and construction						
- Public utilities and services		1,347			1,432	
- Housing loans						
- Others (Commercial banks shall use their own discretion to determine significance)						
- Interbank and Money Market						
- Other financial intermediation		9			9	
- Others						
<b>Total</b>	208	1,532	-	404	1,600	-

\* Including the amount of provisions and write-offs during the period for loans and accrued interest receivable of interbank and money market items

1/ Reserves for expected credit losses

2/ Total amount of the provisions will be disclosed

**Table 14 Reconciliation of change in provisions (General provision and Specific provision) for loans including accrued interest receivables\***

Unit : Million Baht

Item	31/Mar/2023			31/Mar/2022		
	Provisions <sup>1/</sup> for exposures under the SA		Total	Provisions <sup>1/</sup> for exposures under the SA		Total
	General provision <sup>2/</sup>	Specific provision		General provision <sup>2/</sup>	Specific provision	
Provisions at the beginning of the period	404	1,600	2,004	688	1,660	2,348
Bad debts written-off during the period	(196)	(68)	(264)	(284)	(60)	(344)
Increases or Decreases of provisions during the period	-	-	-	-	-	-
Other provisions (provisions for losses from foreign exchange, provisions for merger and sale of businesses)	-	-	-	-	-	-
Provisions at the end of the period	208	1,532	1,740	404	1,600	2,004

\* Including the amount of provisions for loans and accrued interest receivable of interbank and money market items

1/ Reserves for expected credit losses

2/ Excluding expected credit losses of financial instruments designated at fair value through other comprehensive income

Table 15 Outstanding amounts of on-balance sheet assets and credit equivalent amounts of off-balance sheet items (net of specific provisions) classified by type of assets under the SA

Unit : Million Baht

Type of asset	31/Mar/2023			31/Mar/2022		
	On balance sheet assets	Off balance sheet item *	Total	On balance sheet assets	Off balance sheet item *	Total
<b>1. Performing claims</b>						
1.1 Claims on sovereigns and central banks, multilateral development banks (MDBs), and non-central government public sector entities (PSEs) treated as claims on sovereigns	139,518	54	<b>139,572</b>	150,335		<b>150,335</b>
1.2 Claims on financial institutions , non-central government public sector entities treated as claims on financial institutions, and securities firms	81,526	22,301	<b>103,827</b>	14,162	18,541	<b>32,703</b>
1.3 Claims on corporates , non-central government public sector entities (PSEs) treated as claims on corporate	257,666	34,886	<b>292,552</b>	256,035	42,209	<b>298,243</b>
1.4 Claims on retail portfolios	1		<b>1</b>	2		<b>2</b>
1.5 Housing loans						
1.6 Other assets	18,037		<b>18,037</b>	14,463		<b>14,463</b>
<b>2. Non-performing claims</b>	14		<b>14</b>	17		<b>17</b>
<b>3. First-to-default credit derivatives and Securitisation</b>						
<b>Total</b>	<b>496,762</b>	<b>57,241</b>	<b>554,003</b>	<b>435,015</b>	<b>60,749</b>	<b>495,764</b>

\* Including all repo-style transactions (as well as reverse repo transactions)

**Credit risk exposures classified by method the commercial bank uses for maintaining minimum capital fund**

**Credit risk exposures under the SA\***

**Table 16 : Outstanding amount of net on-balance sheet assets and off-balance sheet items\* after adjusted by credit risk mitigation for each type of asset, classified by risk weight under the SA**

Unit : Million Baht

Type of asset	31/Mar/2023						
	Risk weight (%)	Rated outstanding amount				Unrated outstanding amount	
		0	20	50	100	150	0
<b>Performing claims</b>							
1. Claims on sovereigns and central banks, multilateral development banks (MDBs), and non-central government public sector entities (PSEs) treated as claims on sovereigns		139,518	-	-	54		-
2. Claims on financial institutions , non-central government public sector entities (PSEs) treated as claims on financial institutions, and securities firms		-	83,975	7,509	12,343		-
3. Claims on corporates , non-central government public sector entities (PSEs) treated as claims on corporate		-	-	-	317		292,235
4. Claims on retail portfolios							1
5. Claims on housing loans							0
6. Other assets						17,487	550
	Risk weight (%)			50	100	150	
<b>Non-performing claims<sup>1/</sup></b>					14		
<b>Capital deduction items prescribed by the Bank of Thailand</b>							

Unit : Million Baht

Type of asset	31/Mar/2022						
	Risk weight (%)	Rated outstanding amount				Unrated outstanding amount	
		0	20	50	100	150	0
<b>Performing claims</b>							
1. Claims on sovereigns and central banks, multilateral development banks (MDBs), and non-central government public sector entities (PSEs) treated as claims on sovereigns		150,335	-	-	-		-
2. Claims on financial institutions , non-central government public sector entities (PSEs) treated as claims on financial institutions, and securities firms		-	8,883	8,981	14,840		-
3. Claims on corporates , non-central government public sector entities (PSEs) treated as claims on corporate		-	-	-	-		298,243
4. Claims on retail portfolios							2
5. Claims on housing loans							0
6. Other assets						13,916	547
	Risk weight (%)			50	100	150	
<b>Non-performing claims<sup>1/</sup></b>					17		
<b>Capital deduction items prescribed by the Bank of Thailand</b>							

\* After multiplying credit conversion factor

<sup>1/</sup> For the portion claims with no credit risk mitigation of which risk weight are determined by the proportion of provision to total amount of claims

**Credit risk mitigation\* under SA**

**Table 17 Part of outstanding that is secured by collateral\*\* under SA classified by type of assets and collateral**

Unit : Million Baht

Type of asset	31/Mar/2023		31/Mar/2022	
	Eligible financial collateral <sup>1/</sup>	Guarantee and credit derivatives	Eligible financial collateral <sup>1/</sup>	Guarantee and credit derivatives
<b>Performing assets</b>				
1. Claims on sovereigns and central banks, multilateral development banks (MDBs), and non-central government public sector entities (PSEs) treated as claims on sovereigns				
2. Claims on financial institutions , non-central government public sector entities (PSEs) treated as claims on financial institutions, and securities firms				
3. Claims on corporates , non-central government public sector entities (PSEs) treated as claims on corporate	Nil		Nil	
4. Claims on retail portfolios				
5. Claims on housing loans				
6. Other assets				
<b>Substandard assets</b>				
<b>Total</b>				

\* Excluding securitisation.

\*\* Values after on-balance sheets and off-balance sheets netting

<sup>1/</sup> Eligible financial collateral that the Bank of Thailand allows to use for risk mitigation. Commercial banks applying the comprehensive approach shall disclose the value after hairc

## Market & Liquidity Risk

### Qualitative disclosure:

#### Market & Liquidity risk Management

Market risk is the risk of adverse deviation of the mark-to-market value of either an investment portfolio or a trading portfolio during the period required to liquidate the transactions. Decline in portfolio value is due to the change in value of the market risk factors such as stock prices, interest rates, foreign exchange rates or other market prices.

Liquidity risk is the risk that there may be difficulties in raising funds needed for settlements, as a result of the mismatching of uses of funds and sources of funds or unexpected outflows of funds, which may make it necessary to raise funds at higher rates than normal levels.

SMBC, Bangkok branch manage market & liquidity risk in line with Policies on Market / Liquidity Risk Management and Rules for Market /Liquidity Risk Management. Risk management is performed appropriately according to business strategy of Upper Customer Dealer Type (UCD) and monitored by independent middle office. SMBC Bangkok is working to further enhance the effectiveness of its quantitative management of market and liquidity risks according to the given risk limits, ensuring the transparency of the risk management processes and clearly separating front-office, middle-office and back-office operations to establish a highly efficient system of mutual checks and balances.

To meet customer needs, SMBC provide various types of financial products including derivatives such as FX (spot, outright, swap), Currency option (plain and structure), Interest rate related products (IRS, CCS, Cap Loan) and Interest rate option Customers demand for interest rate derivative have been continued in increasing trend especially in the current market. However, our policy is remained strong to balance risk and return with efficient risk management systems to measure, monitor and control risks with the regular reporting to the management.

We've continued daily monitoring LCR or Liquidity Coverage Ratio process since January 2016. Start from the first year until present time, the results are satisfied above 100% with monitoring process to assure daily LCR is maintained above minimum required . LCR was introduced by Basel committee after Principles for Sound Liquidity Risk Management and Supervision was published in 2008. The objective is to promote short-term resilience of bank's liquidity risk profile with sufficient HQLA or High Quality Liquid Assets to survive a significant stress scenario lasting for one month. The minimum requirement for LCR is set at 60% for the first year and rise in equal annual step to reach 100% in 1 January 2020.

#### Risk Management System

Risk management systems are in place at SMBC, Bangkok branch. The framework has been strengthened and prevented from unforeseen processing errors. We segregate responsibility and roles between front, middle and back according to the principle of separation between those who take risks and those who supervise them.

Control and monitoring are conducted against approved limits which are reviewed periodically by Corporate Risk Management Department in Head Office. The market risk limits for instance, Value at Risk (VaR) monitoring line, Position limits and Stop Loss limits are considered by various factors such as capital, historical data, current market situations, products and business type. Liquidity risk is monitored through Money gap limits and



guidelines with the system of Supplementary liquidity to ensure sound operation. In addition, for emergency, there are contingency plans in place including an action plan with measures for reducing Money gap limits and guidelines. We conduct Contingency Liquidity drill annually to ensure staff understanding, assess the suitability of contingency plan and to identify area for future improvement as well.

We established LCR framework to ensure that we have adequate stock of unencumbered HQLA to meet our liquidity needs for a 30calendar day liquidity stress scenario. The regulatory reporting is conducted on monthly basis while daily monitoring is in place to capture cash flow volatility that may arise.

NSFR is another framework to maintain a stable funding profile in relation to the composition of our assets and off-balance sheet activities. The regular assessment has been carried out to ensure the available amount of stable funding (ASF) above required amount of stable funding (RSF) comply to the regulation. We manage NSFR to meet requirement and report to Bank of Thailand on quarterly basis.

In Bangkok branch, there is local ALM committee consist of Country Head, General Managers, and other core members from the highest ranking in Risk management area / Front office area / Business Promotion area / Planning area, Department head of Front office, Middle office and Planning dept. The meeting is conducted once a month to discuss on relative market / liquidity risk related including the result of ALM operation and policy.

### **Framework and responsibility**

In order to maintain a balance between risk and return

The Managements of SMBC, Bangkok Branch is responsible for monitoring and controlling all activities on the premises through various management reports, and for confirming enforcement of all risk management rules. Country Head or General Managers have the authorities to order relevant officers to correct any breach of such rules.

Market Risk Control Department as the function of the middle office performs its duty of assessing, controlling, monitoring and reporting of market and liquidity risk both in Trading and Banking book position within the risk management framework and the risk limits to the Management, Corporate Risk Management Department - Head Quarter and Risk Management Department Asia Pacific Division.

### **Measurement and monitoring**

Sumitomo Mitsui Banking Corporation, Bangkok Branch undertakes substantial market risk measurements including Basis Point Values, VaR, Net Open Positions, Stop Loss Limit, Position Limit and Option Limit. In term of liquidity risk management, we establish Money gap limits and guidelines to avoid excessive dependence on short-term funding by considering the balance sheet management plan, environment and the actual funding situation. The measuring of daily LCR is calculated for 30 calendar days into the future. The value of the ratio has been maintained above 100% since the phase-in arrangement period in which stock of HQLA are kept at least equal total net cash outflow on an ongoing basis. NSFR is well managed above the minimum required. The required ratio is equal or at least 100% calculated from the available amount of stable funding (ASF) over the required amount of stable funding (RSF). Market & liquidity risk measurement are monitored and performed daily by Middle office.

The global limit structure and risk management rules are identified by Tokyo Head Office and must be approved by Board of Directors. The bank manages market risk by setting stop loss limit and market risk capital limit, which is determined taking into account the bank's shareholders' equity and other principal indicators of the bank's financial and management resources.

### **Stress testing**

SMBC, Bangkok branch prepare interest rate risk stress test to estimate the maximum loss from market rate changed on a monthly basis with 3 scenarios of interest rate shifted. The simulations are applied in Banking and Trading book. Foreign exchange stress tests are also conducted to measure the impact from unfavorable change of US dollar to open currency positions.

Liquidity stress test is conducted to simulate cash outflow under 3 scenarios, credit rating downgraded, market wide and the combination of both crisis. The worst impact will be compared with the adequacy of supplementary liquidity. It should be supplemented by covering at least the net outflow of funds in local currency over 1 month under stress scenario.

The results of stress test in market & liquidity risks will be reported to ALM committee on monthly basis.

### **Capital Charge for Market risk**

SMBC, Bangkok branch measure the exposure to market risk and maintain capital in respect of that exposure in the bank's Trading book. We apply Standardized method to measure market risk derived from changes in interest rate and foreign exchange rates. On the other hand we apply Contingent Loss method to assess the risk inherent in options, the method has been changed from Delta-Plus to comply with Bank of Thailand derivative regulation revised earlier. The calculation model in Contingent Loss method is subjected to an oversight by the authority and we have obtained the approval from Bank of Thailand to calculate capital charge with this method. The capital charge is calculated as the total capital requirement in respect of each risk separately and reported to Bank of Thailand on monthly basis.

All items in Trading book are marked-to-market to meet with the relevant base for measuring the market risk pertaining to interest rate and foreign exchange.

For the treatment of options, the capital charge is calculated based upon Contingent Loss method. The calculation in Contingent Loss method is based on scenario matrix analysis for simultaneous change both in price and volatility. The matrix is distributed over the track of changes in the price of underlying into 7 sub-ranges, and on the volatility track into 3 sub-ranges. The range of changes of foreign exchange is +/- 8%. The range of changes in the volatility will be +/- 25%. The capital charge is then set equal to the largest loss arising within the matrix.

## Quantitative Disclosure:

### Market Risk Exposures and Assessment

The table below represents minimum capital requirements for each type of market risk under the Standardized approach (SA) as of 31 March 2023.

#### Market risk exposures

#### Market risk under the Standardised Approach

**Table 18 Minimum capital requirements for each type of market risk under the Standardised Approach**

Unit : Million Baht

Minimum capital requirements for market risk under the Standardized Approach	31/Mar/2023	31/Mar/2022
Interest rate risk	1,022	1,127
Equity position risk	-	-
Foreign exchange rate risk	222	170
Commodity risk	-	-
Total minimum capital requirements	1,244	1,297

### Liquidity risk assessment

The quantitative analysis of liquidity risk is conducted and defined in liquidity ratios. We monitor risk level through Loan to Deposit ratio (L/D ratio) and Deposit withdrawal rate on daily basis. The average of THB L/D ratio in FY2022 was slightly dropped from last year to 92% due to increase of customer loan and deposit but higher in deposit. Liquidity risk is well managed among diversified funding sources and strong support from our head quarter.

### Operational Risk

#### Qualitative Disclosure

Operational risk is the risk of loss resulting from inadequate or failed internal processes, people relate to systems or external events. In addition to processing risk and system risk, also covering legal risk, personnel risk, and physical assets risk defines the following seven types of events that may lead to the risk of loss ; (1) internal fraud, (2) external fraud, (3) employment practices and workplace safety, (4) clients, products and business practices, (5) damage to physical assets, (6) business disruption and system failures, and (7) execution, delivery and process management.

## Measurement and Monitoring

The bank has drawn up the “Regulations on Operational Risk Management” to define the basic rules to be observed in the conduct of operational risk management.

The department heads are responsible for maintaining an acceptable level of internal controls. They are responsible for identifying and assessing risks, designing controls and monitoring the effectiveness of these controls.

To ensure that operational risk losses can be monitored at a Group level, branches and other group companies in Asia are requested to report individual losses when the expected loss over JPY 1 on monthly basis and all other operational risk losses shall be reported on a quarterly basis and registered into Operational Risk Management System (SCOPE).

The branch calculates capital charge for operational risk by using the Basic Indicator Approach, utilizes the average of three year gross income multiplied by a predefined factor.

## Quantitative Disclosure

### Minimum capital requirement for operational risk (BIA)

Unit : Million Baht

Minimum capital requirement for operational risk	31/Mar/2023	30/Sep/2022
Calculate by Basic Indicator Approach	1,475	1,314
Total minimum capital requirement for operational risk	<b>1,475</b>	<b>1,314</b>

## Risk Control Assessment

Risk Control Assessment is defined as “risk management methodology to (a) identify material operational risks, and describe them in terms of risk scenarios, (b) assess the risks and the effectiveness of controls, and (c) estimate the frequency and severity of risk scenarios. In this regard, the branch is required to regularly conduct Risk Control Self Assessment (RCSA) by identifying the risk involved in their own operating unit and to assess at what levels those risks are, both in respect to the chance of occurrence and the probable impact of these risks. In addition, loss data should be posted in the Loss Data Base system.

**The organizational structure of SMBC Bangkok Branch**, the branch organizes Operational Control Committee meeting to monitor the operational risk profiles of each division and prioritize actions to be taken to mitigate these risks as appropriate.

Moreover, the Internal Audit Department conducts periodic audits to ensure that operational risk management system is functioning properly.

## Equity Exposure in banking book

As at 31 March 2023, the bank had investment in non-marketable equity securities, which are classified as general investments, is carried at cost less allowance for impairment in value (if any).

The table below shows equity exposures in banking book.

**Table 19 Equity exposures in banking book**

Unit : Million Baht

Equity exposures	31/Mar/2023	31/Mar/2022
1. Equity exposures		
1.1 Equities listed and publicly traded in the Stock Exchange		
- Book value	-	-
- Fair value	-	-
1.2 Other equities (both within the country and abroad)	324	324
2. Gains (losses) of sale of equities in the reporting period	-	-
3. Net surplus (deficit) from revaluation of available for sale equities	-	-
4. Minimum capital requirements for equity exposures classified by the calculation methods		
- SA	36	36
- IRB		
5. Equity values for commercial banks applying IRB which the Bank of Thailand allows to use SA		

## Interest Rate Risk in the Banking Book (IRRBB)

### Qualitative Disclosure:

The interest rate risk is the risk of declines of earning due to the movements of interest rate.

Sources of interest rate risk are as follow:

Repricing risk or Maturity mismatch risk is resulted from the difference in the timing of rate changes and the timing of cash flows that occur in the pricing and maturity of Bank's assets, liabilities, and off-balance sheet instruments.

Basis risk arises from a shift in the relationship of the rates in different financial markets or different financial instruments. Basis risk occurs when market rates for different financial instruments or the indices used to price assets and liabilities changes at different time or by different amounts.

Yield curve risk arises from variations in the movement of interest rates across the maturity spectrum. It involves changes in the relationship between interest rates of different maturities of the same index or market.

Option risk arises when a Bank or a Bank's customers have the right to alter the level and timing of the cash flows of an asset, liability or off-balance sheet instrument.

## **Risk assessment and monitoring for IRRBB**

### **1. Objective**

To evaluate the potential impact of interest rate risk, we consider the effect on both its earning (the earning or accounting perspective) and underlying economic value (the economic or capital perspective). Both viewpoints are assessed to determine the full scope of a Bank's interest rate risk exposure.

The earning perspective captures the income effects from the change of interest rate. This is an analysis of the effects in the short term within 1 year.

The economic perspective focuses on the value of the Banks in today's interest rate environment and the sensitivity of the value from changes in interest rates. It also captures future exposure by evaluating the impact of potential rate changes on market values of all assets, liabilities and off-balance sheet contracts.

### **2. Measuring tools**

To assess the impact of interest rate risk in Banking book, the Bank uses the simplest technique, the "Static repricing gap" to measure the effect of interest rate changes on the earnings and economic value. When it is used for assessing the interest rate risk on earnings, it is called "Repricing gap analysis". The "Static repricing gap" is also used to evaluate the basic effects on the economic values by applying sensitivity weights to each time band and multiplying the gap and interest rate changes in the respective time band to obtain duration weighted gap. By summing up of all time bands a rough estimate of the change in the economic value will be obtained. Such technique is called the "Duration-base gap analysis".

### **3. Stress testing**

To emphasize on a good risk management, we perform stress testing for interest risk in Banking book on a quarterly basis and reflect the results in Bank of Thailand in DS\_IRR report.

However, in order to comply with the Bank of Thailand's notification, re: Supervisory Guidelines on Interest Rate Risk in the Banking Book for Financial Institution", Sumitomo Mitsui Banking Corporation, Bangkok Branch calculates net earnings assuming upward 100 basis point (bps) changes in the interest rate. Furthermore, we conduct the simulation of 200 bps shifted to ensure that the economics value will not exceed 20 % of the entire capital.

## Interest Rate Risk in the Banking Book

### Quantitative Disclosure:

#### Interest rate risk in the banking book

**Table 20 The effect of changes in interest rates\* to net earnings**

Unit : Million Baht

Currency	31/Mar/2023	31/Mar/2022
	Effect to net earnings	Effect to net earnings
Baht	144	798
USD	863	61
EURO	(1)	0
Others	(41)	(10)
<b>Total effect of interest rate changes</b>	<b>965</b>	<b>849</b>

\* Commercial banks shall use the percentage changes in interest rates of 100 bps .

### Disclosure D: Additional disclosure of capital information under the BCBS requirements (Composition of capital disclosure requirements)

#### Capital information in transitional period under the Basel III

From January 1, 2014 onwards, the Bank of Thailand revised the deduction items from the capital fund to be in line with the Basel III framework. At a conservative way, the bank applied one time (100%) deduction rather than gradually adjusted (5 years) according to the requirement.

**Table21 Composition of regulatory capital on a Basel III basis during the transition period**

Unit : Million Baht

Value of capital, inclusions, adjustments and deductions for the period of March 31, 2023		<b>Residual regulatory</b>
Capital fund	99,166	
<u>Less</u> Regulatory adjustment	17	
<b>Regulatory capital</b>	<b>99,149</b>	