

Risk Management Report – Pillar 3

2Q24



Some numbers included in this report have been subject to rounding adjustments.

As a result, some amounts indicated as total amounts in some tables may not be the arithmetic sum of the preceding numbers.

Additionally, the values indicated as percentage variation in some tables may not be the arithmetical application of the preceding numbers.

Summary

1. Presentation of the Report	5
1.1. Key Indicators	6
1.2. Key Prudential Metrics	7
2. Risk Management	8
2.1. Bank Risk Management Approach	8
2.1.1. Scope of Risk Management	8
2.1.2. Risk Appetite Statement (RAS)	9
2.1.3. Risk Management Corporate Process	10
3. Risk and Capital Management Governance	12
3.1. Risk and Capital Management Structure	12
3.2. Stress Testing Program	13
3.3. Capital Management	13
3.3.1. Capital Management Corporate Process	14
3.4. Overview of Risk-Weighted Assets (RWA)	14
4. Linkages Between Financial Statements and Regulatory Exposures	16
5. Capital Composition	18
5.1. Capital Breakdown	18
6. Macroprudential Indicators	19
7. Leverage Ratio (LR)	20
8. Liquidity Risk	22
8.1. Liquidity Risk Management Process	22
8.1.1. Control and Monitoring	23
8.1.2. Liquidity Risk Mitigation	23
8.1.3. Stress Tests	24
8.1.4. Contingency Plan	24
8.1.5. Internal Reporting	24
8.2. Liquidity Coverage Ratio (LCR)	25
8.3. Net Stable Funding Ratio (NSFR)	27
9. Credit Risk	29
9.1. Lending Process	29
9.2. Credit Risk Rating	30
9.3. Credit Risk Management Process	31
9.4. Credit Risk Mitigation	31
9.5. Control and Monitoring	32
9.6. Internal Reporting	32
9.7. Details of Credit Risk Exposures	32
9.8. Details of Credit Risk Mitigation Exposures	36
10. Counterparty Credit Risk	41
10.1. Details of Counterparty Credit Risk Exposure	41
11. Securitisation Exposures	45

Summary

11.1. Details of Securitisation Exposures	46
12. Market Risk	48
12.1. Strategies used in Market Risk Management	48
12.1.1. Limit Definition	48
12.1.2. Market Risk Measurement Models	49
12.1.3. Hedge and Use of Derivatives	49
12.2. Market Risk Management Process	50
12.2.1. Control and Monitoring	51
12.2.2. Internal Reporting	51
12.3. Main Features of Models Used	51
12.3.1. Value at Risk – VaR	51
12.3.2. Stressed VaR – sVaR	52
12.3.3. VaR Internal Model – Backtesting	52
12.3.4. Models – Utilization in the Prudential Conglomerate	52
12.3.5. Differences between Management Model and Regulatory Model	52
12.3.6. Volatility, Correlation and Return	53
12.3.7. Financial Instrument Pricing	53
12.4. Details of Market Risk Exposures	54
13. Interest Rate Risk in the Banking Book (IRRBB)	58
13.1. IRRBB Management Process	58
13.1.1. Calculation Metrics	58
13.1.2. Shock and Stress Scenarios	59
13.1.3. IRRBB Measurement	59
13.1.4. Hedge and Use of Derivatives	60
13.2. IRRBB Details	60
14. Social and Environmental Risks	61
15. Climate Risk	62
16. Model Risk	63
17. Operational Risk	64
18. Business Continuity Management (BCM)	65
19. Corporate Crisis Management	66
20. Strategy Risk	67
21. Step-in Risk	68
22. Cybersecurity Risk	69
23. Compliance Risk	71
I. Appendix	72
II. Glossary	73

Presentation of the Report

1. Presentation of the Report

The Banco Bradesco Pillar 3 report complies with Basel Committee on Banking Supervision's recommendations (Pillar 3 – Market Discipline) and other Central Bank of Brazil's (BCB) rules, as required by Resolution No. 54/20. This report seeks to provide stakeholders with information access on Bradesco Organization (herein also referred to as "Organization") risk management, presenting a detailed picture of the procedures and controls of the main risks to which it is exposed, thus allowing market agents to appraise the Organization capital adequacy.

The Organization believes that risk management is essential to enable the long-term stability of financial institutions and that transparency in the information disclosure strengthens the Organization's Risk Culture, contributing to the solid health of the national financial system and society in general. As a consequence of the continuous risk management process and adoption of the best practices, the Organization was the first financial institution¹ in Brazil authorized by the BCB, since January 2013, to use its internal market risk models to calculate regulatory capital, which were already in use for managerial purposes.

It is recommended that this Report be read with other documents disclosed by the Organization, such as the Report on Economic and Financial Analysis, the Consolidated Financial Statements and the Appendix indicated in this document, which presents other information about the Organization's activities. For more information, access our Investor Relations website at www.bradescori.com.br.

¹As per BIS document named "Regulatory Consistency Assessment Programme (RCAP) – Assessment of Basel III regulations in Brazil", of December 2013.

Presentation of the Report

1.1. Key Indicators

The Organization carries out the risk and capital management aligned to the strategic guidelines, involving the Control and Business areas, according to the Executive Board and the Board of Directors guidance, aiming to provide conditions to the Organization strategic targets achievement and support the inherent risk to its activities.

Below are presented the Organization key indicators, obtained under the viewpoint of the Prudential Conglomerate:

Total Capital Ratio	Tier I Ratio	Common Equity Tier Ratio	Leverage Ratio
15.2% -0.2 p.p. in the quarter 1Q24: 15.4%	12.6% -0.1 p.p. in the quarter 1Q24: 12.7%	11.1% -0.1 p.p. in the quarter 1Q24: 11.2%	6.8% -0.1 p.p. in the quarter 1Q24: 6.9%
Total RWA¹ R\$ 978,879 +3.4% in the quarter 1Q24: R\$ 947,047	Credit Risk RWA¹ R\$ 862,310 +4.0% in the quarter 1Q24: R\$ 829,471	Market Risk RWA¹ R\$ 26,684 -3.6% in the quarter 1Q24: R\$ 27,691	Operational Risk RWA¹ R\$ 89,886 Without changes in the quarter 1Q24: R\$ 89,886
LCR 174.8% -18.4 p.p. in the quarter 1Q24: 193.2%		NSFR 121.6% -1.8 p.p. in the quarter 1Q24: 123.4%	
R\$ 947,047	R\$ 32,839 +4.0%	-R\$ 1,007 -3.6%	R\$ 978,879 +3.4%
Mar-24	Credit	Market	Operational
			Jun-24

RWA¹ Quarterly Evolution¹



The chart displays the quarterly evolution of Risk Weighted Assets (RWA) for three categories: Credit, Market, and Operational. The values are as follows:

- Credit:** Mar-24: R\$ 947,047, Jun-24: R\$ 978,879 (Increase of +3.4%).
- Market:** Mar-24: R\$ 32,839, Jun-24: -R\$ 1,007 (Decrease of -3.6%).
- Operational:** Mar-24: -R\$ 1,007, Jun-24: R\$ 978,879 (Increase of +3.4%).

The minimum regulatory requirements determined by Central Bank of Brazil are presented below:

Basel Ratio ²	Tier I Ratio ²	Common Equity Ratio ²
11.50% as of April/2022	9.50% as of April/2022	8.00% as of April/2022
Leverage Ratio³ 3.0% as of January/2022	LCR⁴ 100% as of January/2019	NSFR⁵ 100% as of October/2018

¹ Amount in million (BRL).

² The Total Capital Ratio, the Tier I Ratio and the Common Equity Tier I Ratio encompass the Additional CET1 buffer requirements of Conservation, Systemic and Countercyclical, as per the CMN Resolution 4,958/21 and BCB Circular 3,768/15 and 3,769/15, respectively.

³ The minimum requirement for the Leverage Ratio was defined by CMN Resolution 4,615/17.

⁴ The minimum requirement for the LCR was defined by CMN Resolution 4,401/15.

⁵ The minimum requirement for the NSFR was defined by CMN Resolution 4,616/17.

Presentation of the Report

1.2. Key Prudential Metrics

Financial institutions based in Brazil calculate their capital requirements on a consolidated basis with the institutions that are part of their Prudential Conglomerate.

The following table shows the prudential key metrics related to regulatory capital, leverage ratio and liquidity.

Key Metrics (KM1)

	a	b	c	d	e
R\$ million	Jun-24	Mar-24	Dec-23	Sep-23	Jun-23
\ Available capital (amounts)					
1 Common Equity Tier I (CET1)	109,059	106,167	110,689	111,642	109,281
2 Tier I	123,542	120,727	125,412	126,704	123,250
3 Total Capital	149,119	145,621	149,969	150,715	148,608
3b Excess of resources invested on permanent assets	-	-	-	-	-
3c Total Capital Detachments	-	-	-	-	-
\ Risk-weighted assets (amounts)					
4 Total risk-weighted assets (RWA)	978,879	947,047	947,738	942,435	956,140
\ Risk-based capital ratios as a percentage of RWA					
5 CET1 ratio	11.1%	11.2%	11.7%	11.8%	11.4%
6 Tier I ratio	12.6%	12.7%	13.2%	13.4%	12.9%
7 Total Capital Ratio	15.2%	15.4%	15.8%	16.0%	15.5%
\ Additional CET1 buffer requirements as a percentage of RWA					
8 Capital conservation buffer requirement	2.5%	2.5%	2.5%	2.5%	2.5%
9 Countercyclical capital buffer requirement	0.0%	0.0%	0.0%	0.0%	0.0%
10 Systemic capital buffer requirement	1.0%	1.0%	1.0%	1.0%	1.0%
11 Total of bank CET1 specific buffer requirements ⁽¹⁾	3.5%	3.5%	3.5%	3.5%	3.5%
12 CET1 available after meeting the bank's minimum capital requirements	3.1%	3.2%	3.7%	3.8%	3.4%
\ Leverage Ratio (LR)					
13 Total exposure	1,807,551	1,740,974	1,714,043	1,690,873	1,664,284
14 LR	6.8%	6.9%	7.3%	7.5%	7.4%
\ Liquidity Coverage Ratio (LCR)					
15 Total high-quality liquid assets (HQLA)	227,634	248,433	248,691	239,319	212,771
16 Total net cash outflow	130,258	128,556	129,798	131,141	119,212
17 LCR ratio	174.8%	193.2%	191.6%	182.5%	178.5%
\ Net Stable Funding Ratio (NSFR)					
18 Total available stable funding (ASF)	954,447	924,550	934,325	910,527	888,265
19 Total required stable funding (RSF)	784,717	749,310	737,181	728,245	721,727
20 NSFR ratio	121.6%	123.4%	126.7%	125.0%	123.1%

(1) The no comply with Additional CET1 buffer rules causes restrictions on the dividends payment and interest on shareholders' equity, net surplus, share repurchase, reduction of capital, and variable compensation to its administrators.

Comments

The capital ratios remained above regulatory limits, due to the capacity for capital generation (net profit) and prudential adjustments, which absorbed the increase in RWA, shareholder remuneration, and equity valuation adjustments.

Risk Management

2. Risk Management

The activity of risk management is highly strategic due to the increasing complexity of products and services and the globalization of the Organization business. The dynamic nature of the market is conducive to the constant improvement of risk management activity.

The Organization conducts corporate risk control in an integrated and independent manner, preserving and valuing an environment of collective decision-making in which methodologies, models and tools to measure and control risks are developed. Promotes the dissemination of the risk culture to all employees, at all hierarchical levels, from business areas to the Board of Directors.

2.1. Bank Risk Management Approach

2.1.1. Scope of Risk Management

Risk management is one of the Organization's priorities and, for this, the established procedures are based on the best market practices and continuous acculturation, in order to keep risks at acceptable levels.

This management allows the achievement of strategic objectives, business continuity, timeliness and effectiveness in the decision of resource allocation, as well as preparing the Organization to face sudden changes in the economic, regulatory or technological scenario.

The scope of the Organization's risk management achieves a broadest view, allowing the risks of the Economic-Financial Consolidated² to be supported by the Risk Management Corporate Process (chapter 2.1.3). The main risks monitored by the Organization are solvency, liquidity, credit, market, social and environmental, climate, model, operational, strategy, step-in, cybersecurity, compliance and reputational, the details of which are provided in the specific sections.

Additionally, considering the business environment, the Organization constantly monitors macroeconomic risks that may bring adverse impacts to its exposures, as related below. These risks are assessed through consistent processes and a robust governance framework:

- **The persistence of high interest rates in developed countries for a prolonged period:** higher neutral interest rates and persistent inflation lead central banks to postpone the start of the interest rate cut cycle, increasing recessionary risks for the global economy. A scenario of prolonged high interest rates may also lead to unforeseen consequences on liquidity, credit, banks, and global financial stability;
- **Geopolitical, energy and climate risks:** the escalation regional conflicts and the adoption of protectionist trade policies by developed countries can lead to imbalances in the global supply and demand of goods and services. This can have significant negative impacts on inflation and global economic growth;
- **Economic policy uncertainties:** political and fiscal noise, friction between government and BCB and renewal of its board, potential discussions on interest rate hikes, uncertainties in the management of state-owned companies and parafiscal policy are issues that can affect the confidence of economic agents.

² Includes the regulatory scope of the Prudential Conglomerate and other companies in the Consolidated.

Risk Management

2.1.2. Risk Appetite Statement (RAS)

Risk appetite refers to the types and levels of risks that the Organization is willing to accept in the pursuit of its business and objectives. The Risk Appetite Statement (RAS) is an important tool for reinforcing the dissemination of the Organization's risk culture.

The Risk Appetite Statement is annually³ reviewed or whenever it is necessary by the Board of Directors, besides being continuously monitored by Senior Management's forums, as well as by business and control functions.

Risk appetite is monitored is done through the monitoring of established indicators, through effective control processes, where managers are informed about risk exposures and the respective use of current limits. The report is carried out through an alert system, which facilitates communication and highlights any exceptions that require corrective measures, permeating all levels of the Organization, supporting Senior Management in assessing whether the results are consistent with the risk appetite.

Risk Appetite Dimensions

Solvency: the Organization seeks to maintain, on a permanent basis, a solid capital base to support the development of activities and to address the measurable incurred risks (in normal or stressful conditions), as well as to withstand any losses arising from risks that do not have capital allocation and to enable possible strategic acquisitions.

Liquidity: the Organization aims be able to honor efficiently its obligations through pulverized and low cost sources of funding, to ensure a cash structure compatible with the size of its obligations, assuring survival in adverse scenarios, without affecting its daily operations and without incurring significant losses.

Profitability: the Organization zeal for sustainable growth of its businesses and results and the adequate remuneration of its capital, seeking to meet the shareholder's remuneration expectation in relation to the risks incurred in its business.

Credit: the Organization focuses on domestic customers, in a diversified and pulverized manner, both in terms of products and segments, striving for the portfolio's quality and solidness, with guarantees consistent with the undertaken risks, considering the amounts, the purposes and terms of the granted loans and maintaining adequate levels of impairment allowances as well as portfolio concentration.

Market: the Organization aims to align exposures with strategic guidelines, with specific limits established, due to the possibility of financial loss as a result of fluctuation in the prices and rates of financial instruments, given that its asset and liability operations may have mismatches in terms of terms, currencies and indexing factors.

Operational: the Organization may incur operating losses resulted by failures, internal process deficiency or inadequacy, people and systems, or from external events, due to the wide range of products and services offered, as well as an expressive volume of activities and operations carried out.

³ The Risk Committee, related to the RAS, has the following attributions: a) assess the risk appetite levels stated in the Risk Appetite Statement and its management strategy, considering the risk individually and on an integrated basis; and b) supervise the fulfillment of the RAS terms by the Senior Management.

Risk Management

Cybersecurity: the Organization works to ensure that its assets and critical IT infrastructure have their security protected and can withstand cyber incidents such as attacks, intrusions, and data leaks.

Social, Environmental and Climate: the Organization has sustainability as one of its strategic pillars, reinforcing our purpose of creating opportunities as an agent of positive transformation, generating shared value with society, customers, employees, investors, and partners. Social, environmental and climate aspects are integrated into our operating strategy, encompassing operations and business.

Reputation: the Organization reputation is monitored among clients, employees, regulators, investors, and the market in general, aiming to assure the timely identification and assessment of potential sources of this risk and to act preventively for its mitigation.

Model: the Organization uses models to support decision-making, prepare financial/regulatory reports and provide predictive information in various businesses' areas.

Qualitative Risks: in addition to the risks described above, the Organization is exposed to the risks of Step-in, Strategy, Insurance, and Compliance. These risks are managed through robust processes and a solid governance structure, made up of Commissions, Executive Committees and Senior Management.

2.1.3. Risk Management Corporate Process

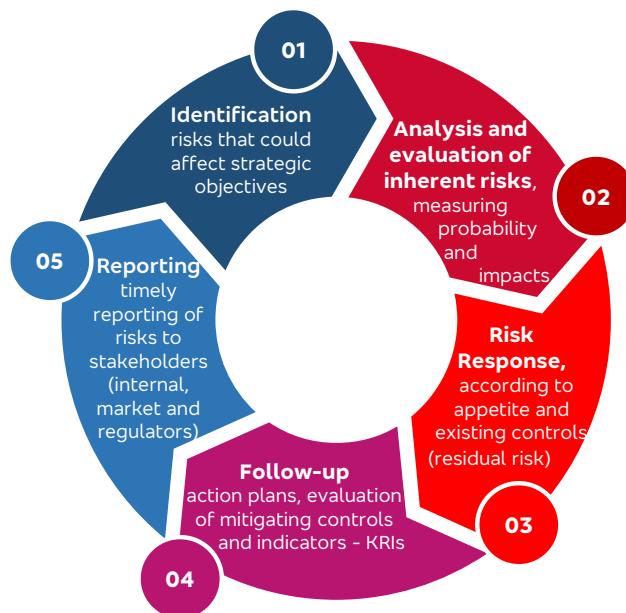
The Corporate Risk and Control Management methodology is aligned with the main international risk management Frameworks, enabling proactive identification, measurement, mitigation, monitoring and reported of risks.

Given the complexity of the products and services offered and the nature of the Organization's activities, it is necessary to establish a robust risk management structure. In this context, operations are conducted through the Three Lines Model, ensuring that everyone contributes to providing reasonable assurance that the specified objectives will be achieved:

- **First line**, represented by businesses and support areas, responsible for identifying, responding to, reporting and managing inherent risks as part of daily activities, keep risks within acceptable levels;
- **Second line**, represented by oversight areas, responsible for establishing risk management policies and compliance procedures for development and/or monitoring of first line, as well as independent model validation;
- **Third line**, represented by Global Internal Audit Department, which is responsible for independently assessing the effectiveness of risk management and internal controls, including how the first and second lines achieve their objectives, reporting the results of their work to the Board of Directors, Audit Committee, Fiscal Council and Senior Management.

The corporate process of managing current and emerging risks of the Organization consists of the following steps:

Risk Management



2.1.3.1. Internal Controls

The Internal Controls area, in support of the first line areas, challenges the identification and assessment of risks and controls, and the result of this activity is reflected in the Entities' risks maps. Additionally, the Internal Controls area also carries out thematic reviews, monitors the Agency Network and Anti-Money Laundering through indicators, as well as the SOX ("Sarbanes-Oxley") certification process, with the objective of deepening the control environment evaluation, whose results are presented through specific reports, and the identified risks and weaknesses are incorporated into the risk maps of the Areas.

In addition, an annual report is sent to the Board of Directors and the Audit Committee – COAUD, consolidating the assessments and conclusions of the work carried out by the Internal Controls area.

The activities in the Internal Controls area are carried out by trained professionals, through well-defined processes and technology compatible with the size and structure of the Organization, complexity of products and services negotiated, risk profile and business model, pursuant to CMN Resolution No. 4,968/2021.

2.1.3.2. Risk and Capital Management Policies

Regarding the risk culture dissemination, the Organization has policies, rules and procedures to manage risks and capital. These instruments establish the basic operational guidelines laid out by Senior Management in accordance with the institution's standards of integrity and ethics and cover all the activities performed by the Organization and associated companies.

Policies, standards and procedures ensure that the Organization is structured in accordance with the nature of its operations, the complexity of its products and services, activities, processes, systems and the dimension of its risk exposure.

The risk and capital management policies are in line with the Organization's strategic objectives, the best national and international practices and in compliance with laws and regulations issued by oversight bodies. They are reviewed at least once a year by the Board of Directors and disseminated to all employees and associated companies via the corporate portal.

Risk and Capital Management Governance

3. Risk and Capital Management Governance

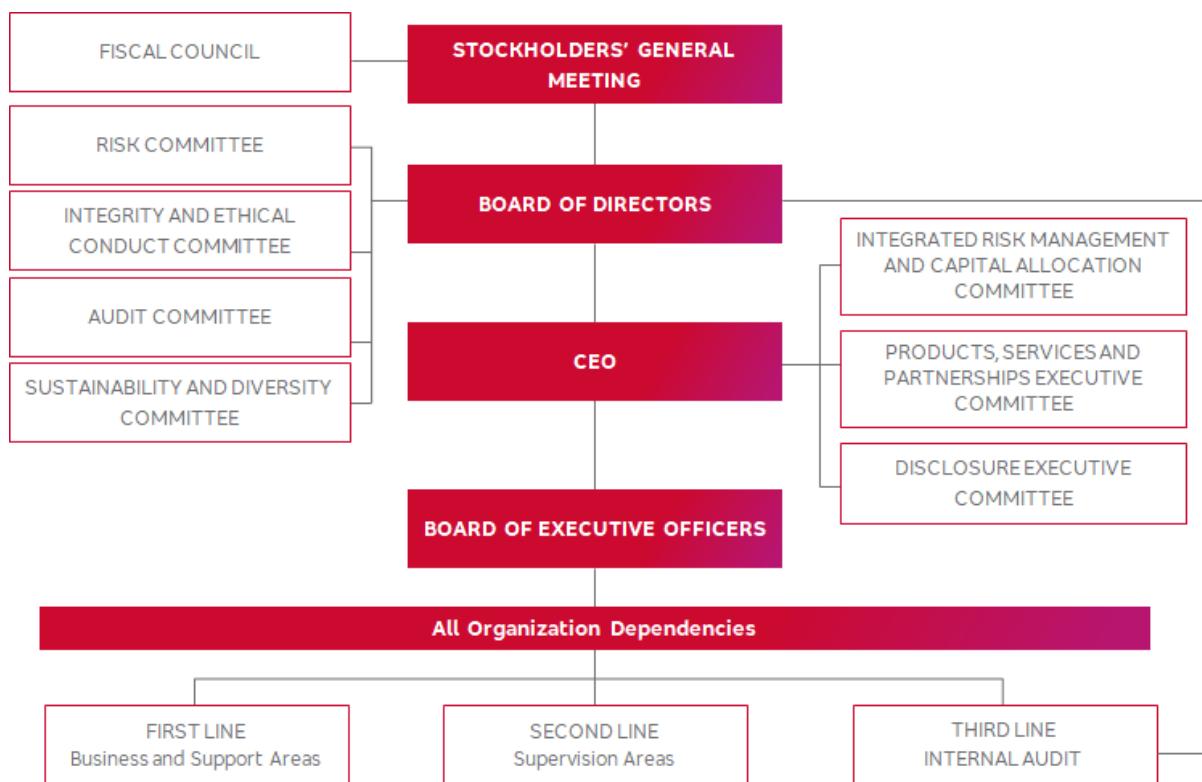
All the levels of the Organization participate in its corporate governance with the aim of optimizing the company's performance and safeguard stakeholders' interests, also facilitating access to capital, adding value to the Organization and contributing to its sustainability, mainly through transparency, equal treatment and accountability. This framework complies with guidelines laid out by the Board of Directors.

In this context, risk and capital are managed through collegiate decisions based on specific committees. This process relies on the participation of all corporate governance segments, ranging from Senior Management to the diverse business, operational, product and service areas.

3.1. Risk and Capital Management Structure

The risk and capital management structure is composed of various committees, commissions, and departments that support the Board of Directors, the CEO, the Chief Risk Officer (CRO), and the Executive Board of the Organization in strategic decision-making.

The **governance of risk and capital management** is illustrated in the following figure:



Among the governance forums related to the topic, the following stand out:

- **The Board of Directors** approves and reviews risk management strategies, policies, and structures for risk and capital management, including risk appetite and exposure limits by risk types, as well as the stress testing program, its results, and the scenarios and assumptions applied;
- **The Risk Committee** is responsible for evaluating the Organization's risk management framework and, if necessary, proposing improvements and challenging the risk structure in light of new trends and/or threats, as well as assisting the Board of Directors in performing its duties in risk and capital management and control;

Risk and Capital Management Governance

- **The Audit Committee** reviews the integrity of financial statements and recommends to the Executive Board corrections or improvements to policies, practices, and procedures identified within its scope of responsibilities.
- **The Integrated Risk Management and Capital Allocation Committee – COGIRAC**, aims to assist the CEO in performing their duties related to the management and control of all risks and the Organization's capital.

More details about Corporate Governance are available on the Investor Relations website (www.bradesco.com.br – Corporate Governance).

3.2. Stress Testing Program

The risk management framework relies on a stress-testing program, which is defined as a coordinated set of processes and routines, endowed with its own methodologies, documentation, and governance, with the main objective of identifying potential institution's vulnerabilities.

The stress tests are forward looking exercises of potential impacts of specific events and circumstances on the capital, liquidity or in value of portfolio within the Organization and are used as a tool for risk management.

The stress tests results are inputs for assessing the institution's capital and liquidity levels, for the preparation of respective contingency plans, for the capital adequacy assessment and for the recovery plan.

Likewise, the results are considered in the decisions related to strategic guidelines, in the definition of risk appetite levels and limits applied to risk and capital management, as well as in the definition of governance actions with the objective of mitigating identified risks, aligning them with the Organization's risk appetite.

In the stress test program, scenarios and results are validated by COGIRAC, evaluated by the Risk Committee, and deliberated of the Board of Directors, which is also responsible for approving the program and the guidelines to be followed.

3.3. Capital Management

The Organization manages capital involving the control and business areas, in accordance with the guidelines of the Board of Executive Officers and Board of Directors, and has a governance structure composed by Commissions, Committees and have the highest level on the Board of Directors.

The Organization has a structure responsible for complying with the Central Bank of Brazil determinations regarding capital management activities and support the Senior Management by providing analyses and projections of capital requirements and availability, identifying threats and opportunities that help plan towards the sufficiency and optimization of capital levels.

Risk and Capital Management Governance

3.3.1. Capital Management Corporate Process

The Capital Management Corporate Process provides the conditions required to meet the Organization's strategic goals and support the risks inherent to its activities.

The Organization adopts a three years prospective approach when developing its capital plan, forecasting and setting procedures and contingency actions that might be considered in adverse scenarios, taking into account possible changes in the conditions of the regulatory, economic and business environment in which operates.

In order to permanently ensure a solid capital composition to support the development in its activities and ensure appropriate coverage of the risks incurred, the Organization periodically monitors capital projections considering a managerial capital margin (buffer), which is added to the minimum regulatory requirements.

The management buffer definition is aligned to the market practices and regulatory requirements, observing aspects such as additional impacts generated by stress scenarios, qualitative risks and risks not captured by the regulatory model.

The results of the Organization's capital projections are submitted to the Senior Management, pursuant to the governance established. In addition, the Organization's regulatory capital sufficiency is periodically demonstrated by calculating the Total Capital Ratio, Tier I Ratio and Common Equity Tier I Ratio.

3.4. Overview of Risk-Weighted Assets (RWA)

In Brazil, the Central Bank of Brazil determines through CMN Resolution 4,958/21 that institutions must permanently maintain minimum capital compatible with the risks of the operations carried out by them, which refers to the calculation of the capital requirement.

The financial institutions activities risk is represented by the calculation of RWA. The RWA amount is defined by the sum of the following installments:

$$\mathbf{RWA = RWA_{CPAD/CIRB} + RWA_{OPAD} + RWA_{MPAD/MINT}}$$

- **RWA_{CPAD/CIRB}** – Risk-weighted assets portion relating to credit risk, standard approach / internal approach;
- **RWA_{OPAD}** – Risk-weighted assets portion relating to operational risk, standard approach;
- **RWA_{MPAD/MINT}** – Risk-weighted assets portion relating to market risk, standard approach / internal approach.

The following table provides an overview of total RWA used to calculate minimum capital requirements, as established in art. 4 of CMN Resolution 4,958/21.

Risk and Capital Management Governance

Overview of Risk-Weighted Assets – RWA (OV1)

R\$ million	RWA		Minimum capital requirements ⁽²⁾
	a	b	
	Jun-24	Mar-24	
1 Credit risk (excluding counterparty credit risk)⁽¹⁾	784,252	760,986	62,740
2 Of which: standardised approach (SA)	784,252	760,986	62,740
3 Of which: foundation internal ratings-based (F-IRB) approach	-	-	-
5 Of which: advanced internal ratings-based (A-IRB) approach	-	-	-
6 Counterparty credit risk (CCR)	31,958	24,408	2,557
7 Of which: standardised approach for counterparty credit risk (SA-CCR)	25,156	19,360	2,012
7a Of which: CEM approach	-	-	-
9 Of which: others	6,801	5,048	544
12 Equity investments in funds – look-through approach	2,015	2,430	161
13 Equity investments in funds – mandate-based approach	-	-	-
14 Equity investments in funds – fall-back approach	1,244	576	100
16 Securitisation exposures in banking book	1,944	1,259	156
20 Market Risk⁽³⁾	26,684	27,691	2,135
21 Of which: standardised approach (SA)	20,137	24,088	1,611
22 Of which: internal model approach (IMA)	11,098	13,444	888
24 Operational Risk	89,886	89,886	7,191
I Payments Risk (RWASP)	NA	NA	NA
25 Amounts for exposures not deducted from total capital calculation⁽²⁾	40,897	39,813	3,272
29 Total (1+6+12+13+14+16+20+24+I+25)	978,879	947,047	78,310

(1) Does not include exposures reported in rows 6, 12, 13, 14, 16 and 25.

(2) As established in art. 4 of Resolution 4,958/21.

(3) Composed of a maximum between 80% of the standardised model (SA) and internal model (IMA), according to Circulars 3,646 and 3,674, plus the variation in credit valuation adjustment (CVA), from 3Q23, in accordance with BCB Resolution 229/22.

Comments

The RWA variation in relation to the previous quarter is mainly due to the 3.1% increase in credit risk (excluding counterparty credit risk).

Linkages Between Financial Statements and Regulatory Exposures

4. Linkages Between Financial Statements and Regulatory Exposures

The regulatory scope for assessing capital sufficiency, since January 2015, is the Prudential Conglomerate, according to the Central Bank of Brazil's regulations. It is worth mentioning, however, that the other companies that are part of the Economic-Financial Consolidated are also part of the Organization's risk management process. For these companies, all the risks inherent to their activities are evaluated, with emphasis on the companies that are part of the Grupo Bradesco Seguros, which also follow regulatory capital standards, either by the Superintendence of Private Insurance (Susep) rules or by the National Regulatory Agency for Private Health Insurance and Plans (ANS), depending on the activity field of each.

The following table allows to identify the differences between the scope published on the financial statements (column a) and the scope of regulatory consolidation (column b). Columns "c" to "g" details the amounts by risk categories.

Differences between accounting and regulatory scopes of consolidation and mapping of financial statement categories with regulatory risk categories (LI1)

	a	b	c	d Jun-24	e	f	g
	Carrying values as reported in published financial statements	Carrying values under scope of prudential consolidation	Subject to credit risk framework	Subject to counterparty credit risk framework	Subject to the securitisation framework	Subject to the market risk framework	Not subject to capital requirements or subject to deduction from capital
Carrying values of items:							
R\$ million							
\ Assets							
Cash and cash equivalents	18,761	18,039	18,039	-	-	234,012	-
Financial instruments	1,844,258	1,491,420	1,276,275	205,797	4,500	65,262	4,848
Leases	5,157	5,157	5,157	-	-	-	-
Provision for Expected Credit Loss Associated with Credit Risk	(48,508)	(48,297)	(48,297)	-	-	-	-
Deferred tax assets	105,331	100,364	80,179	-	-	-	20,186
Investments in associates and Jointly Controlled Entities	10,535	49,960	33,515	-	-	-	16,446
Premises and equipment	22,162	12,111	12,111	-	-	-	-
Intangible assets	47,945	41,421	-	-	-	-	41,421
Depreciation and amortization	(43,197)	(33,785)	(7,490)	-	-	-	(26,295)
Provisions for Impairment of Assets	(2,541)	(2,337)	(1,683)	-	-	-	(654)
Others Assets	29,227	45,203	(71,213)	-	-	-	116,416
Total assets ⁽¹⁾	1,989,129	1,679,256	1,296,592	205,797	4,500	299,274	172,367
\ Liabilities							
Deposits and other financial instruments	1,373,814	1,457,326	17,038	324,611	-	48,926	1,115,676
Provisions	415,825	28,859	4,577	-	-	1,004	24,282
Deferred income tax assets	5,553	4,756	-	-	-	-	4,756
Others Liabilities	33,070	27,186	-	-	-	-	27,186
Total liabilities	1,828,262	1,518,126	21,616	324,611	-	49,930	1,171,900

(1) The sum of the values reported in columns "c" to "g" may differ from the value reported in column "b", since the values considered for the purposes of prudential regulation may be associated with more than one risk category.

Linkages Between Financial Statements and Regulatory Exposures

The amounts considered in the financial statements (column "a" of table LI1) are not reconciled with the values reported in the regulatory consolidation (column "b" of table LI1), mainly due to the non-consolidation of non-financial companies (with emphasis on the companies that are part of the Grupo Bradesco Seguros) in the regulatory consolidated.

The LI2 table provides information on the main sources of differences between the column "b" amounts of table LI1 and the exposure amounts.

Main sources of differences between regulatory exposure amounts and carrying values in financial statements (LI2)

R\$ million		a	b	Jun-24		e			
				Items subject to:					
				Total	Credit risk framework	Counterparty credit risk framework	Securitisation framework	Market risk framework	
1	Asset carrying value amount under scope of regulatory consolidation	1,506,889	1,296,592	205,797	4,500	299,274			
2	Liabilities carrying value amount under regulatory scope of consolidation	346,226	21,616	324,611	-	49,930			
3	Total net amount under regulatory scope of consolidation	1,853,116	1,318,208	530,408	4,500	349,204			
4	Off-balance sheet amounts	147,505	147,505	-	-	-			
5	<i>Differences in valuations</i>	-	-	-	-	-			
6	<i>Other differences</i>	59,627	-	59,627	-	-			
7	Exposure amounts considered for regulatory purposes	2,060,247	1,465,712	590,035	4,500	349,204			

In the line "Other Differences" of the table LI2 considers non-accounting exposures subject to counterparty credit risk (SA-CCR approach).

The following table presents information on the elements considered in the calculation of prudential adjustments, used in the financial instruments process pricing measured at market value, as provided in CMN Resolution 4,277/13.

Prudent Valuation Adjustments – PVA (PV1)

R\$ thousand		a	b	c	d	e	Jun-24		f	g	h			
							Items subject to:							
							Equity	Interest rates	Foreign exchange	Credit	Commodities	Total	Of which: In the trading book	Of which: In the banking book
1	Closeout uncertainty, of which:	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Closeout cost	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Concentration	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Early termination	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Model risk	4,848	-	-	-	-	-	-	-	4,848	4,848	4,848	-	-
7	Operational risk	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Investing and funding costs	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Unearned credit spreads	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Future administrative costs	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Other	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Total adjustment	4,848	-	-	-	-	-	-	-	4,848	4,848	4,848	-	-

Regarding to pricing, the Organization has a careful process and in line with the principles determined by CMN Resolution 4,389/14. The details of this process are described in item 12.3.7 Financial Instrument Pricing.

Capital Composition

5. Capital Composition

According to the rules established by CMN Resolution 4,955/21, the Total Capital of a financial institution is represented by the sum of Tier I and Tier II Capital and will be used in determining its operational limits.

Tier I Capital: seeks to ensure the financial institution solvency, ensuring the continuity of its operation. With the entry into Basel III force, Tier I Capital was divided into two new subgroups:

- **Common Equity Tier I (CET1):** basically composed of shares and reserves;
- **Additional Capital:** basically composed of instruments similar to hybrid capital instruments and debts, with perpetuity characteristic.

Tier II Capital: constitutes instruments similar to hybrid capital instruments and debt, with a minimum maturity of five years.

5.1. Capital Breakdown

The following are details on the required Total Capital of the Prudential Conglomerate, under the regulatory approach.

	Jun-24	Mar-24	Jun-23
\ \ Tier I Capital	123,542	120,727	123,250
Common Equity Tier I	109,059	106,167	109,281
Shareholders' Equity	160,086	160,563	159,318
Non-controlling Interest	157	248	262
Prudential Adjustments ⁽¹⁾	(51,184)	(54,644)	(50,298)
Additional Capital	14,483	14,560	13,969
Subordinated Debt (according to CMN Resolution 4,955/21)	14,483	14,560	13,969
\ \ Eligible Instruments for Tier II Capital	25,578	24,894	25,358
Subordinated Debt (according to CMN Resolution 4,955/21)	25,578	24,894	25,358
\ \ Total Capital	149,119	145,621	148,608

(1) According to CMN Resolution 4,955/21.

For more information and details, see "CC1 – Composition of regulatory capital", "CCA – Main features of regulatory capital instruments" and "CC2 – Reconciliation of regulatory capital to balance sheet", available on the Investor Relations website (bradesco.com.br – Market Information – Risk Management – Exhibits Pillar 3).

Macroprudential Indicators

6. Macroprudential Indicators

The table CCyB1 provides an overview of the geographic distribution of credit risk exposures to the private non-banking sector for the purpose of calculating the countercyclical buffer, with the calculation methodology applied according to the rules of BCB Circular 3,769/15.

Geographical distribution of credit exposures used in the countercyclical buffer (CCyB1)

Geographical breakdown	R\$ Million	a Countercyclical capital buffer rate	b Exposure values	c Exposure values and/or risk-weighted assets used in the computation of the countercyclical capital buffer	Jun-24	
					d Bank-specific countercyclical capital buffer rate	e Countercyclical buffer amount
BRAZIL (BR)	0.0%	0.0%	1,546,961	729,091	-	-
LUXEMBOURG (LU)	0.5%	0.5%	1,226	643	3	3
NETHERLANDS (NL)	2.0%	2.0%	1,403	508	10	10
UNITED KINGDOM (GB)	2.0%	2.0%	4,239	989	20	20
SWEDEN (SE)	2.0%	2.0%	1,075	533	11	11
FRANCE (FR)	1.0%	1.0%	1,253	480	5	5
GERMANY (DE)	0.8%	0.8%	2,156	833	6	6
CHILE (CL)	0.5%	0.5%	2	2	0	0
AUSTRALIA (AU)	1.0%	1.0%	29	-	-	-
DENMARK (DK)	2.5%	2.5%	85	85	2	2
OTHER COUNTRIES	0.0%	0.0%	30,865	15,876	-	-
Sum			1,589,294	749,041		
\ Total			1,589,294	749,041	-	57

Comments

The Organization (prudential consolidated) has in its portfolio exposures to 23 jurisdictions, 9 of which have Countercyclical Capital buffer (ACPPi). Regarding the RWA quarter variation, there was an increase of 4.4%, with Brazil concentrating 97.3% of the Credit RWA.

Leverage Ratio

7. Leverage Ratio (LR)

The Leverage Ratio (LR) is an index that works in conjunction with Basel Index to limit the level of risk exposure assumed by financial institutions. This index evaluates leverage using only exposure values without any risk weighting.

The following table details the adjustments made on the total asset value to obtain the Total Exposure used in calculating the Leverage Ratio, as defined in the current regulations (Circular No. 3,748/2015 and CMN Resolution No. 4,615/2017).

Summary comparison of accounting assets vs Leverage Ratio exposure measure (LR1)

	R\$ million	Jun-24
1 Total consolidated assets as per published financial statements		1,989,129
2 Adjustment arising from accounting consolidation differences		(309,873)
1+2 Total assets of individual balance sheet or of the prudential conglomerate, in the case of LR calculation on consolidated bases		1,679,256
4 Adjustments for derivative financial instruments		1,479
5 Adjustment for repurchase transactions and asset loans		23,102
6 Adjustment for off-balance sheet items		158,690
7 Other adjustments		(54,975)
8 Total Exposure		1,807,551

Comments

Total Exposure increased by 3.8% in the quarter.

Leverage Ratio

The LR2 table provides a detailed breakdown of the components of the leverage ratio denominator, as detailed in Circular No. 3,748/2015.

Leverage Ratio common disclosure template (LR2)

	a	b	
R\$ million			
	Jun-24	Mar-24	Jun-23
\ On-balance sheet exposures			
1 Balance sheet items other than derivative financial instruments, securities received on loan and resales for settlement under repurchase transactions	1,480,945	1,416,202	1,384,069
2 Adjustments for equity items deducted in calculating Tier I	(55,765)	(59,229)	(55,604)
3 Total on-balance sheet exposures	1,425,181	1,356,973	1,328,465
\ Transactions using Derivative Financial Instruments			
4 Replacement value for derivatives transactions	10,957	9,287	11,691
5 Potential future gains from derivatives transactions	9,409	7,535	6,941
7 Adjustment for daily margin held as collateral	-	-	-
Adjustment related to the deduction of the exposure related to qualified central counterparty (QCCP) in derivative transactions on behalf of clients in which there is no contractual obligation to reimburse due to bankruptcy or default of the entities responsible for the settlement and compensation of transactions	(15,190)	(9,991)	(9,813)
9 Reference value of credit derivatives	1,479	1,339	1,292
10 Adjustment of reference value calculated for credit derivatives	-	-	-
11 Total exposure for derivative financial instruments	6,655	8,171	10,111
\ Repurchase Transactions and Securities Lending			
12 Investments in repurchase transactions and securities lending	193,828	202,636	161,616
13 Adjustment for repurchases for settlement and creditors of securities lending	-	-	-
14 Amount of counterparty credit risk	5,700	5,943	5,249
15 Amount of counterparty credit risk in transactions as intermediary	-	-	-
16 Total Exposure on Repurchase Transactions and Securities Lending	199,528	208,579	166,865
\ Off-balance sheet items			
17 Reference value of off-balance sheet transactions	446,231	425,123	410,221
18 Adjustment for application of FCC specific to off-balance sheet transactions	(270,044)	(257,871)	(251,379)
19 Total off-balance sheet exposure	176,187	167,252	158,842
\ Capital and Total Exposure			
20 Tier 1 capital	123,542	120,727	123,250
21 Total exposure	1,807,551	1,740,974	1,664,284
\ Leverage ratio			
22 Leverage Ratio	6.8%	6.9%	7.4%

Comments

The leverage ratio decreased 0.10 p.p. regarding to 1Q24 mainly due to the increase in total exposure.

Liquidity Risk

8. Liquidity Risk

The Liquidity Risk is represented by the possibility of the institution not being able to efficiently meet its obligations, without affecting its daily operations and incurring significant losses, as well as the possibility of the institution not being able to trade a position at market price due to its high value when compared to the usually traded volume or due to some market discontinuity.

Knowledge and monitoring of this risk is crucial to enable the Organization to settle operations in a timely and safe manner.

8.1. Liquidity Risk Management Process

Liquidity risk management is carried out by the Organization in a corporate manner and permeates all governance layers. The following are the departments' attributions that stand out in the liquidity risk management and control:

Treasury	<ul style="list-style-type: none">■ Performs daily cash and liquidity management;■ Proposes limits for liquidity risk control indicators, as well as levels for alert flags;■ Complies with the strategic and operational limits established;■ Reports matters related to the liquidity management of the Treasury for Asset and Liability Management Executive Committee.
Liquid Risk Area	<ul style="list-style-type: none">■ Proposes the liquidity and concentration control metrics, paying attention to their due approval in the established governance process;■ Calculates and disseminate the liquidity monitoring and control indicators in the established periodicities;■ Provides simulation tools for the main indicators implemented;■ Reports matters related to the control and monitoring of liquidity risk in commissions and executive committees where the topic is addressed.
Support Areas	<ul style="list-style-type: none">■ Perform cash flow projection for liquidity monitoring, including intraday;■ Prepare the expected cash flows up to the 12-month horizon and refer to the areas of interest;■ Check and ensure the consistency, integrity and completeness of the database made available daily to liquidity risk managers and controllers;■ Provide cash management information to Treasury, as well as any significant changes in the Conglomerate Banks reserves levels;■ Provide management information about mismatch maps to the Treasury.

Liquidity Risk

Policies and Standards

The liquidity risk management process is comprised of policies and standards that establish diversification criteria related to Organization's financing sources.

The Liquidity Risk Management Policy ensures that there are standards, procedures and controls that guarantee the Organization an adequate liquidity level and diversification of its funding.

In turn, the Liquidity Risk Standard for the Prudential Conglomerate describes the Organization's procedures and controls for liquidity risk, including controlling the concentration of funding by product and counterparty.

On the Organization's executive committees are reported product funding concentrations, counterparty and terms.

8.1.1. Control and Monitoring

The Organization's liquidity risk management is carried out through tools developed on robust platforms and validated by the independent areas of the Organization. Among the main metrics and indicators considered in the liquidity risk framework, it is highlight:

- **Liquidity Coverage Ratio (LCR):** consists of verifying the liquid instruments sufficiency to honor the Organization's net cash outflows in the next thirty days in a stress scenario;
- **Net Stable Funding Ratio (NSFR):** consists of verifying the structural funding sufficiency to finance the long-term assets of the Organization's balance sheet;
- Deposit losses for different time horizons;
- Funding concentration maps in different views (product, term and counterparty);
- Integrated stress exercises which different risk dimensions are addressed.

For the main metrics, limits were established, which can be strategic (approved up to the level of the Board of Directors) or operational (approved by the Executive Committee), based on flags, which trigger different levels of governance according to the percentage of use (consumption) of their respective limits.

8.1.2. Liquidity Risk Mitigation

The governance established for the liquidity risk management includes a series of recommendations for mitigating liquidity risk, among the main strategies, the following stand out:

- Financing diversification in counterparty, product and term;
- Adoption of managerial liquidity limits, in addition to those required by the regulator;
- Prior products analysis that may affect liquidity before implementation;
- Portfolio liquidity stress simulations.

Liquidity Risk

8.1.3. Stress Tests

Due to the dynamics and criticality of this topic, the management and liquidity risk control must take place on a daily basis and be based on stress scenarios. Thus, the main metric used to monitor the liquidity risk of the Prudential Conglomerate is the Liquidity Coverage Ratio (LCR), which measures the liquid resources sufficiency to honor commitments in the next thirty days considering a stress scenario. Therefore, daily management is already carried out through stress testing.

Anyway, in addition to LCR and other monitoring metrics, simulations of long-term stress scenarios are carried out, within the integrated stress test program (ICAAP for example), to also assess a possible liquidity indicators deterioration for different time horizons.

8.1.4. Contingency Plan

The Organization's liquidity contingency plan covers the following points, as stipulated in Resolution No. 4,557/2017:

- Crisis management group;
- Main responsibilities of the crisis management group;
- Monitoring indicators;
- Crisis mitigation actions;
- Plan review frequency.

8.1.5. Internal Reporting

Internal communication about liquidity risk, both between departments and between the different layers of internal governance is through internal reports, committees and the Organization's Senior Management.

Additionally, reports are distributed daily to the areas involved in management and control, as well as to Senior Management. This process comprises several analytical instruments used to monitor liquidity, such as:

- Daily distribution of liquidity control instruments;
- Automatic intra-day update of the liquidity reports for appropriate management by the Treasury Department;
- Preparation of reports with past behavior and future simulations based on scenarios;
- Daily verification of compliance with minimum liquidity levels;
- Preparation of further reports where the funding concentrations by sort of product, maturity and counterparty are presented;
- Weekly reports to the Senior Management, showing the behavior and expectations related to the liquidity situation.

The liquidity risk management process also has an alert system that selects the appropriate reporting level according to the percentage of use of the established limits. Thus, the lower the liquidity ratio, the higher Organization levels who receive the reports.

Liquidity Risk

8.2. Liquidity Coverage Ratio (LCR)

The Liquidity Coverage Ratio (LCR) aims to ensure that the Organization maintains a sufficient level of liquid assets to cover liquidity needs on an eventual stress scenario. The LCR is the ratio between the stock of High Quality Liquid Assets (HQLA) and total net cash outflow, calculated based on a generic stress scenario.

The following formula shows the main components of the indicator:

$$LCR = \frac{HQLA}{Cash\ Outflows - Cash\ Inflows^*} \geq 100\%$$

*Limited to 75% of outflows

The stress scenarios parameterization was conducted by the Regulator to capture idiosyncratic and market shocks, considering the period of thirty days. The items below show some of the shocks included in the methodology:

- The partial loss of retail and uncollateralized wholesale funding, as well as short-term funding capacity;
- The additional outflow of funds, contractually foreseen, due to the downgrading of the institution's credit rating by up to three levels, including eventual additional collateral requirements;
- An increase in the factors' volatility that impact collateral quality or the potential future exposure of derivative positions, resulting in the application of larger collateral discounts or a call for additional collateral or in other liquidity requirements;
- Higher withdrawals amounts than expected from credit/liquidity lines granted; and
- The potential need to repurchase debt or honor non-contractual obligations in order to mitigate reputational risk.

High Quality Liquid Assets (HQLA)

HQLA are assets that maintain their market liquidity in periods of stress and that meet the minimum requirements established by the Central Bank of Brazil, such as, among others, being free of any legal impediment or restriction; suffering little or no loss in market value when converted into cash; having a low credit risk; easy and accurate pricing; and being traded in an active and important market, with little difference between the purchase and sale price, high traded volume and a large number of participants, among other criteria. These assets are subject to weighting factors, which may reduce their value, for example in accordance with the risk rating of their issuer or the historic variation in their market price, among other requirements.

Cash Outflows and Inflows

Cash outflows are the result of a reduction in deposits and funding; the maturity of securities issued; scheduled contractual obligations for the next thirty days; margin adjustments and calls in derivative operations; the utilization/withdrawal of credit and liquidity lines granted by the Bank; and contingent cash outflows.

Cash inflows for the next thirty days correspond to the expected receipt of loans and financings; deposits; securities; and margin adjustments and easing in derivative operations.

Liquidity Risk

The LIQ1 table presents the information of Liquidity Coverage Ratio – LCR indicator, regarding cash outflows and cash inflows, as well as its available high-quality liquid assets (HQLA), as measured and defined according to Circular No. 3,749/2015.

Liquidity Coverage Ratio – LCR (LIQ1)

	a	b	Jun-24 ¹		Mar-24 ²		Jun-23 ³	
			Unweighted Amount ⁽⁴⁾	Weighted Amount ⁽⁵⁾	Unweighted Amount ⁽⁴⁾	Weighted Amount ⁽⁵⁾	Unweighted Amount ⁽⁴⁾	Weighted Amount ⁽⁵⁾
R\$ thousand								
\ High Quality Liquid Assets (HQLA)								
1 Total High Quality Liquid Assets (HQLA)			227,634,031		248,433,393		212,771,338	
\ Cash outflows								
2 Retail funding, of which:	392,744,559	40,642,547	373,884,523	37,802,996	370,737,106	37,346,730		
3 Stable funding	178,056,506	8,902,825	173,736,685	8,686,834	168,732,935	8,436,647		
4 Less stable funding	214,688,053	31,739,721	200,147,838	29,116,161	202,004,170	28,910,083		
5 Non-collateralized wholesale funding, of which:	279,658,021	111,720,438	280,710,191	112,245,832	262,773,763	104,988,419		
6 Operating deposits (all counterparties) and affiliated cooperative deposits	11,866,107	593,305	11,904,767	595,238	13,103,825	655,191		
7 Non-operational deposits (all counterparties)	267,560,755	110,895,974	267,882,094	110,727,263	248,915,120	103,578,409		
8 Non-collateralized obligations	231,159	231,159	923,330	923,330	754,818	754,818		
9 Collateralized wholesale funding		13,253,869		7,704,720		5,791,148		
10 Additional requirements, of which:	134,553,442	18,558,340	129,305,425	16,395,025	131,572,383	16,249,745		
11 Related to exposure to derivatives and other collateral requirements	20,270,346	9,589,191	16,776,980	7,702,897	13,614,499	7,486,164		
12 Related to funding losses through the issue of debt instruments	382,985	382,985	201,357	201,357	127,426	127,426		
13 Related to lines of credit and liquidity	113,900,111	8,586,163	112,327,088	8,490,771	117,830,458	8,636,155		
14 Other contractual obligations	38,683,546	36,260,556	36,655,289	34,367,993	37,444,365	34,951,991		
15 Other contingent obligations	160,909,101	6,307,930	155,644,678	6,043,227	147,529,180	6,971,988		
16 Total Cash Outflows		226,743,681		214,559,793		206,300,021		
\ Cash inflows								
17 Collateralized loans	198,219,516	1,025,037	228,479,790	1,078,664	160,890,176	290,249		
18 Outstanding loans whose payments are fully up-to-date	46,318,466	32,708,621	42,388,312	28,796,844	47,173,760	32,663,217		
19 Other cash inflows	79,238,452	62,752,369	73,256,507	56,127,859	70,546,611	54,135,009		
20 Total Cash Inflows	323,776,434	96,486,026	344,124,609	86,003,366	278,610,547	87,088,475		
		Total Adjust. Amount ⁽⁶⁾		Total Adjust. Amount ⁽⁶⁾		Total Adjust. Amount ⁽⁶⁾		
21 Total HQLA		227,634,031		248,433,393		212,771,338		
22 Total net cash outflows		130,257,654		128,556,427		119,211,546		
23 Liquidity Coverage Ratio (LCR)		174.8%		193.2%		178.5%		

(1) Calculated based on the simple daily average of the quarters (63 observations).

(2) Calculated based on the simple daily average of the quarters (61 observations).

(3) Calculated based on the simple daily average of the quarters (61 observations).

(4) Total balance of cash inflow/outflow item.

(5) Total balance of cash inflow/outflow item after application of weighting factors.

(6) Total balance of cash inflow/outflow item after application of weighting factors and limits.

The liquid assets (HQLA) amounted R\$ 227.6 billion on average in the 2Q24, versus R\$ 248.4 billion, on average, in the 1Q24. Related to the cash outflows, based on the regulatory stress scenario (item 16), about 67.2% are redemptions and non-renewal retail and wholesale funding without collateral (unsecured), as shown in items 2 and 5 in the table. Another relevant group refers to the item "Other contractual obligations" (item 14), which mainly includes the output streams of on lending operations, credit cards and trade finance. Regarding to cash inflows, corresponding to R\$ 96.5 billion on average in the 2Q24, the highlights are the receiving of credit operations (partial renewal) stand out, the inflows of Trade Finance operations, cash and redemptions of securities, besides the inflow of transfer and credit card operations.

Liquidity Risk

8.3. Net Stable Funding Ratio (NSFR)

The Net Stable Funding Ratio (NSFR) aims to assess whether the Organization is financing its activities (assets) with sources of funding more stable (liabilities). NSFR corresponds to the ratio between Available Stable Funding (ASF) and the Required Stable Funding (RSF), which are defined according to the assets and liabilities structures of the institution that are weighted as per the Regulator definitions.

The following formula shows the main components of the indicator:

$$\text{NSFR} = \frac{\text{Available Stable Funding (ASF)}}{\text{Required Stable Funding (RSF)}} \geq 100\%$$

Available Stable Funding (ASF)

The available stable funding are represented by Liabilities and Net Equity, which are weighted as per its stability, and the resources considered more stable are determined mainly by the behavioral aspects of the clients, considering also its relationship with the institution, legal aspects and other implicit variables.

Required Stable Funding (RSF)

The required stable funding are determined according to the Balance Sheet assets and the other financial instruments, for example, credit limits and guarantees provided, which are weighted by aspects, related to the operation, maturity, counterparty, among others.

The following table provides details of a bank's NSFR and selected details of its NSFR components, according to Circular No. 3,869/2017.

Liquidity Risk

Net Stable Funding Ratio – NSFR (LIQ2)

R\$ thousand			a	b	c	d	e	Mar-24
			Jun-24					
			No maturity	Less than six months	More or equal to six months and less than one year	More or equal to one year	Weighted value ⁽²⁾	Weighted value ⁽²⁾
\ Available Stable Funding (ASF)								
1 Capital	200,303,520		-	-	-	11,119,404	211,422,924	210,965,943
2 Total Capital, gross of regulatory deductions	200,303,520		-	-	-	-	200,303,520	200,204,884
3 Other capital instruments not included on line 2	-		-	-	-	11,119,404	11,119,404	10,761,059
4 Retail funding, of which:	154,397,368	262,452,452	1,008,905	3,521,545	388,963,942	376,108,304		
5 Stable funding	87,717,144	99,290,119	383,621	1,596,087	179,617,426	175,170,119		
6 Less stable funding	66,680,223	163,162,333	625,284	1,925,459	209,346,515	200,938,184		
7 Wholesale funding, of which:	44,643,437	634,781,251	47,687,577	142,191,701	349,448,247	332,936,716		
8 Operating deposits and affiliated cooperative deposits	12,343,780	-	-	-	-	6,171,890	5,945,765	
9 Other wholesale funding	32,299,657	634,781,251	47,687,577	142,191,701	343,276,357	326,990,951		
10 Operations that the institution acts exclusively as an intermediary, assuming no rights or obligations, even if contingent:	-	45,972,655	4,305,770	222,727	-	-	-	-
11 Other liabilities, of which:	73,498,433	67,343,747	-	-	-	4,611,885	4,538,671	
12 Derivatives in which replacement value is less than zero			19,748,818					
13 Other liabilities elements or shareholders' equity not included in the previous lines	73,498,433	47,594,930	-	-	-	4,611,885	4,538,671	
14 Total Available Stable Funding (ASF)						954,446,998	924,549,634	
\ Required Stable Funding (RSF)								
15 Total High Quality Liquid Assets (HQLA)						11,226,577	11,293,848	
16 Deposits held at other financial institutions for operational purposes	-	-	-	-	-	-	-	-
17 Bonds, securities and operations with financial institutions, non-financial institutions and central banks, of which:	12,485,483	431,856,043	92,776,436	383,478,831	474,928,040	437,857,438		
18 Operations with financial institutions collateralized by Level 1 HQLA	-	3,588,874	-	-	-	358,887	138,507	
19 Operations with financial institutions collateralized by Level 2A, 2B HQLA or non-collateralized	-	214,935,677	3,180,394	3,943,173	9,319,629	9,319,629	9,437,215	
20 Loans and financing granted for retail and wholesale customers, central government and central banks operations, of which:	-	174,648,269	67,276,987	191,458,843	287,818,269	273,977,074		
21 The Risk Weighting Factor, referred by Central Bank Circular 3,644, from 2013, is less than or equal to 35% (thirty five percent)	-	-	-	16,796	10,917	10,917	14,914	
22 Performing residential mortgages, of which:	-	7,331,636	7,583,719	102,759,292	74,251,217	74,251,217	71,395,287	
23 Referred by BCB Resolution 229/22, art. 50, items I, II and III, and art. 51, items I and II	-	7,331,636	7,583,719	102,759,292	74,251,217	74,251,217	71,395,287	
24 Bonds and securities non eligible to HQLA, including shares traded in the Stock Market	12,485,483	31,351,587	14,735,336	85,317,523	103,169,121	103,169,121	82,894,442	
25 Operations that the institution acts exclusively as an intermediary, assuming no rights or obligations, even if contingent	-	5,111,081	4,522,337	320,817	-	-	-	-
26 Other assets, of which:	312,333,435	64,946,885	2,376,561	28,079,323	282,436,864	284,954,816		
27 Gold and commodities transaction, including ones with physical settlement						-	-	
28 Assets provided, due to initial margin deposit as collateral for derivatives operation and participation in mutualized guarantee funds of clearing house or service providers of clearing and settlement that may arbitrate as central counterparty			17,173,344			14,597,343	14,232,722	
29 Derivatives in which replacement value is more than or equal to zero				18,932,105		-	-	
30 Derivatives in which replacement value is less than zero, gross of any collateral deduction due to deposit for variation margin				-		987,441	1,243,067	
31 Other assets not included in the previous lines	312,333,435	46,014,780	2,376,561	10,905,978	266,852,080	266,852,080	269,479,027	
32 Off-balance sheet operations		431,182,975	-	-	-	16,125,925	15,204,304	
33 Total Required Stable Funding (RSF)						784,717,405	749,310,406	
34 NSFR (%)						121.6%	123.4%	

(1) Corresponding to the total of the balance sheet.

(2) Corresponding to the value after applying the weighting factors.

The long-term indicator NSFR, presented weighted volume of available stable funding, higher than the required stable funding, exceeding the weighted balance around R\$ 169.7 billion, resulting the indicator in 121.6%. The amount of available stable funding (ASF) is largely composed by customer funding, considering the level of stability as the main factor supporting the ASF. The verification of the ASF in June/2024, presented a sharing of 41%, originated from Retail funding and 37% of Wholesale funding. The required stable funding (RSF) are composed by assets and items off-balance sheet. These balance are weighted according to the respective liquidity profile, so the items related to lending and other assets in low or non-liquidity are highlighted in the RSF (high weight), while high liquidity operations, e.g. free federal government bonds, receive low weight. For June/2024, the lending operations (item 20) represented 37% out of the total of RSF, while other assets (Item 31) shared 34% of the RSF.

Credit Risk

9. Credit Risk

Credit risk refers to the possibility of losses associated with the borrower's or counterparty's failure to comply with their financial obligations under the agreed upon terms; as well as the depreciation of loan agreements resulting from deterioration, in the borrower's risk rating; the reduction in gains or remunerations and also with benefits granted in renegotiations; recovery costs and other amounts related to the counterparty's default with their financial obligations. Also includes concentration and transfer (country) risk.

Credit risk management in the Organization is a continuous and evolving process of mapping, development, assessment and diagnosis through models, instruments and procedures that require a high degree of discipline and control during the evaluation of credit proposals in order to preserve the integrity and autonomy of the processes.

The Organization controls its exposure to credit risk, which mainly results from credit operations, credit commitments, financial guarantees provided, securities and derivative financial instruments.

In order to ensure the quality expected from the portfolio, special attention to all aspects of the lending process, credit concentration, guarantee requirements, maturities, amongst others has been given.

The Organization continuously maps all the activities that could possibly generate exposure to credit risk, classifying them by their probability and magnitude, identifying their managers, as well as their measurement and mitigation plans.

9.1. Lending Process

The diversified business model allows support several audiences, in direct and convenient channels in the different regions of Brazil. Segmentation strategies, both for Individuals and Legal Entities, also support a good relationship with customers and to accurate offers of products and services.

This positioning has a positive impact on the Organization's credit profile, being translated into a diversified and dispersed portfolio, both in terms of products and segments. This is consistent with the risks assumed and with adequate provisioning and concentration levels.

In the Credit Area, the lending process is based on the Organization's Credit Policy, which lays emphasis on safety, quality and liquidity while investing in credit assets. The risk management governance permeates the entire process, which fully complies with Central Bank of Brazil rules.

The methodologies adopted value business agility and profitability, with targeted and appropriate procedures, oriented to the granting of credit transactions and establishment of operating limits.

The assessment and classification of the total risk of customers and economic groups, the Organization considers the quantitative (economic and financial indicators) and qualitative (registration, behavioral and transactional data) aspects of the customers' capacity to pay their debts.

All business proposals are subject to operational limits, which are included in the Loan Guidelines and Procedures. At branches, the delegation of power for proposals submission depends on its amount, the customer's total exposure to the Organization, the collaterals and guarantees posted the level of restriction and their credit risk rating. All business proposals are submitted to technical analysis and approval by the Credit Area.

Credit Risk

The Credit Committees was created to decide, within its authority, on queries about assignment of limits or operations proposed by business areas, previously analyzed and reviewed by the Credit Area. Depending on the financial amount, operations/limits proposed, from this Committee, may be submitted for approval by the Board of Directors.

Loan proposals pass through an automated system with parameters to provide indispensable information for analysis and granting of loans, in addition to the follow-up of the loans granted, minimizing the risks inherent to the operations.

There are exclusive Credit and Behavior Scoring systems for the assignment of mass loans in the Retail segment, intended to provide speed and reliability, while standardizing the procedures for loan analysis and approval.

Business is diversified, widespread and aimed at individuals and companies with a proven payment capacity and solvency, seeking to support them with collaterals and guarantees that are adequate to the risk assumed, considering the credit lines, amounts and the maturities of the granted loans.

9.2. Credit Risk Rating

The Organization has a robust governance, practices and follow-up process. Among these practices, we can mention the Governance of Concessions and Credit Recovery Levels, which, depending on the size of the operation or the total exposure of the counterparty, require approval at the of the Board of Directors level. In addition, frequent portfolio monitoring is evaluated, with assessments of its evolution, defaults, provisions, vintage studies, capital, among others.

In addition to the process and governance levels of approval for credit and recovery operations, the risk appetite defined by the Organization is followed by concentration limits of operations for Economic Group, Sector and Transfer (concentration by countries). Besides concentration indicators, a specific indicator was established for delinquency level over 90 days for Individuals, indicator for Defaulted Loans and an indicator of Credit Risk Economic Capital Margin, in order to monitor and control capital from an economic and regulatory point of view.

The credit risk assessment methodology, in addition to providing data to establish the minimum parameters for lending and risk management, also enables the definition of special Credit Rules and Procedures according to customer characteristics and size. Thus, the methodology provides the basis not only for the correct pricing of operations, but also for defining the appropriate guarantees.

The methodology used also follows the requirements established by National Monetary Council (CMN) Resolution 4,945 and includes analysis of social and environmental risks in projects, aimed at evaluating customers' compliance with related laws and the Equator Principles, a set of rules that establish the minimum social and environmental criteria, which must be met for lending.

In accordance with its commitment to the continuous improvement of methodologies, the credit risk rating of operations contracted by the Organization's economic groups/customers is distributes on a graded level scale, ensuring greater compliance with the requirements of the Basel Capital Accord, preserving the criteria set forth by National Monetary Council Resolution 2,682 for recording the necessary impairment allowances.

In a simplified way, the operations risk ratings are determined according to the credit quality of the economic groups/customers defined by the customer risk rating, contract guarantees, credit product modality, late due behavior, notes/restrictions and the contracted credit face value.

Credit Risk

The customer risk ratings for economic groups are based on parameterized statistical procedures, using quantitative and qualitative information and judgments. Classifications are made by economic group and periodically monitored to preserve loan portfolio quality.

With respect to individuals, customer risk ratings are generally defined based also in statistical procedures and analysis of variables that discriminate risk behavior. This is made by applying statistical models for credit assessment.

The customer risk rating is used, in sets with several decision variables, for concession and/or renewal analysis of operations and credit limits, as well as for monitoring the customers' risk profile deterioration.

9.3. Credit Risk Management Process

The credit risk management process is conducted in a corporation-wide approach. This process involves several areas with specific duties, ensuring structural efficiency. Credit risk measurement and control are conducted in a centralized and independent manner.

Both the governance process and existing limits are sanctioned by the Integrated Risk Management and Capital Allocation Committee, which are submitted for the approval of the Board of Directors and are revised at least once a year.

The credit risk management structure performs a fundamental role in the Organization's second line, actively participating in the process of improving customer risk classification models, periodically monitoring major risks by main default events, level of provisioning in view of expected and unexpected losses.

This structure continuously reviews the internal processes, including the roles and responsibilities, Information Technology training and requirements, as well as conducts periodically reviews of risk evaluation processes to incorporate new practices and methodologies.

The attributions of the credit risk management structure faithfully follow the compliance precepts defined by the Organization. Integration with other lines occurs continuously and frequently, enabling assertiveness in the identification, measurement and control of credit risk.

9.4. Credit Risk Mitigation

Potential credit losses are mitigated by the use of a series of collaterals formally stipulated through legal instruments, such as conditional sales, mortgages, by guarantees such as third-party sureties or guarantees and also by financial instruments such as credit derivatives, or netting arrangements. The efficiency of these instruments is evaluated considering the time to recover and realize an asset given as collateral, its market value, the guarantors' counterparty risk and the legal safety of the agreements. The main types of collaterals include, term deposits; financial investments and securities; residential and commercial properties; movable properties such as vehicles, aircrafts; furthermore, security interest also include commercial bonds such as invoices, checks and credit card bills. Securities and guarantees may also include bank guarantees.

Credit derivatives are bilateral agreements where one of the counterparties buys hedge against credit risk of a specific financial instrument and its risk is transferred to the selling counterparty. Usually, the later receives a linear remuneration during transaction's effectiveness. In the event of default, the counterparty who bought the hedge will be paid, the purpose of which is to mitigate the financial instrument impairment. In this case, the selling counterparty receives the underlying asset in exchange for referred payment.

Credit Risk

9.5. Control and Monitoring

The Organization's credit risk is controlled and monitored by an independent Credit Risk area.

This area holds monthly meetings with all product and segment executives and officers, with a view to informing them about the evolution of the loan portfolio, delinquency, defaulted loans, restructurings, adequacy of allowance for loan losses, loan recoveries, losses, portfolio limits and concentrations, regulatory and economic capital allocation, among others.

It also monitors any internal or external event that may cause a significant impact on the Organization's credit risk, such as mergers, bankruptcies, and crop failures, in addition to monitoring industries in which the company is exposed to significant risks.

9.6. Internal Reporting

Credit risk is monitored on a timely basis in order to maintain the risk levels within the limits established by the Organization. Risk control management reports are provided to all levels of business, from branches up to Senior Management.

Pointing out the risk situations that would impact the liquidity of loans granted to customers, the credit risk monitoring area provides daily reports, through a corporate system, to the branches, national management, business segments, as well as the lending and loan recovery areas. This system provides dynamic information about the loan portfolios and credit bureau information of customers, in addition to enabling comparison of past and current information, highlighting points requiring a more in-depth analysis by managers such as: assets information by segment, product, region, risk rating, delinquency and expected and unexpected losses, amongst others, allowing both a macro-level and detailed view of the information, and also enables a specific loan operation to be viewed.

The information is viewed and delivered via reports, allowing queries at several levels such as business segment, divisions, managers, regions, products, employees and customers, and under several aspects (asset, delinquency, provision, write-off (loss), restriction levels, use of collaterals and portfolio quality by rating, among others).

9.7. Details of Credit Risk Exposures

The quality of exposures subject to credit risk related to credit operations, debt securities and operations off-balance sheet are detailed below.

Credit Risk

Credit quality of assets (CR1)

	a	b	c	d	f	g					
						Jun-24					
						Gross values of Defaulted exposures	Non-defaulted exposures	Allowances, advances and unearned income	Allowances, advances and unearned income Of which: RWACPAD	Allowances, advances and unearned income Of which: RWACIRB	Net Values (a+b-c)
R\$ million											
1 Loans	62,991	613,268	48,297	48,297	-	627,961					
2 Debt Securities	10,085	367,401	4,592	4,592	-	372,893					
2a of which: national sovereign bonds	-	239,636	-	-	-	239,636					
2b of which: other bonds	10,085	127,764	4,592	4,592	-	133,257					
3 Off-balance sheet exposures	8,840	412,887	1,276	1,276	-	420,451					
4 Total (1+2+3)	81,916	1,393,555	54,165	54,165	-	1,421,306					

Note: According to instructions for filling Circular Letter 3,936, loans, financing, leasing operations, interbank liquidity operations and other similar operations were considered as Credit Concessions.

Comments

There was an increase of 3.8% in total net value compared to 1Q24, mainly in loans (3.9%).

Gross exposures are exposures before the application of the Credit Conversion Factors (CCF) and before the deduction of their provision, with exposures classified as such being characterized as default loans as established on CMN Resolution 4,557/17.

Changes in the stock of defaulted loans and debt securities operations in progress between two consecutive periods, considering the operations reported in table CR1, are detailed in table CR2.

Changes in stock of defaulted loans and debt securities (CR2)

	a	Jun-24
		Total
R\$ million		
1 Defaulted loans and debt securities at end of the previous reporting period		81,424
2 Loans and debt securities that have defaulted since the last reporting period		20,349
3 Returned to non-defaulted status		(532)
4 Amounts written off		(11,799)
5 Other adjustments		(7,526)
6 Defaulted loans and debt securities at end of the reporting period (1+2+3+4+5)		81,916

Comments

Default Loans and debt securities increased by 0.6% compared to the 1Q24.

Additionally, information on the credit quality of assets reported in table CR1, is shown in the CRB tables from "e" to "i".

Credit Risk

Breakdown of exposures by geographical areas, industry and residual maturity (CRBe)

R\$ million Economic Sector	Jun-24 Contracts with Remaining Maturity				
	Up to 6 months	Between 6 months and 1 year	Between 1 year and 5 years	Above 5 years	Total
Retail	28,260	9,136	21,935	871	60,202
Real Estate and Construction Activities	8,000	4,664	17,341	8,600	38,605
Transportation and Concession	6,561	4,841	28,705	6,862	46,969
Miscellaneous Services	14,390	8,608	20,560	4,440	47,999
Holding	5,296	588	8,320	3,531	17,735
Automotive industry	6,868	1,917	5,879	98	14,761
Financial	65,723	78,750	144,489	33,111	322,073
Wholesale	14,780	5,733	11,368	1,274	33,156
Electrical energy	5,309	4,820	20,321	2,952	33,402
Oil and Petrochemical	3,231	720	3,553	3,945	11,450
Steel and Metallurgy	4,889	1,464	5,094	1,163	12,609
Food Industry	8,900	4,736	9,551	109	23,296
Smoke and drinks	12,032	914	316	1,140	14,402
Paper and Pulp	825	128	5,241	340	6,533
Extraction	7,425	514	1,990	112	10,040
Telecommunications	7,459	2,857	937	17	11,270
Health	5,442	628	4,723	809	11,603
Sugar and ethanol	4,260	2,974	2,462	1,430	11,126
Chemistry	4,768	1,379	4,840	168	11,155
Construction Material	1,615	459	2,565	21	4,661
Leisure and tourism	2,287	937	1,649	48	4,921
Capital goods	3,438	955	2,597	49	7,039
Cooperative	3,750	1,867	1,639	96	7,352
Education	1,359	675	2,497	405	4,937
Hygiene and Cleaning Products	1,160	191	2,054	2	3,408
Textile	1,662	562	1,418	19	3,660
Appliances and electronics	2,995	1,040	824	10	4,869
General Industry	2,002	657	1,399	53	4,112
Trading	5,402	155	1,576	52	7,186
Information Technology	2,184	1,050	1,147	6	4,388
Agriculture	1,310	719	2,907	173	5,108
Packaging	1,099	584	1,035	31	2,750
Furniture and wood	1,051	364	1,014	8	2,436
Other sectors	15,514	7,362	30,455	1,763	55,094
Individual	197,068	82,868	108,995	172,074	561,004
\ Total Exposure	458,315	235,816	481,396	245,780	1,421,306
Geographic Region					
\ Domestic Market	421,152	228,417	448,407	242,394	1,340,370
Southeast	276,088	111,859	229,188	134,389	751,524
South	47,658	20,493	37,465	22,994	128,610
North	13,109	5,771	10,857	9,068	38,805
Northeast	41,369	16,892	31,759	31,179	121,198
Mid-West	42,928	73,402	139,138	44,765	300,233
\ Foreign Market	29,351	8,565	27,610	15,411	80,936
\ Total Exposure	450,503	236,982	476,016	257,805	1,421,306

Credit Risk

Total defaulted loans operations segregated by geographical areas and industry (CRBF)

Economic Sector	Jun-24		
	Defaulted Loans		
	Total	Provision	Write-offs
Retail	11,412	5,832	1,454
Real Estate and Construction Activities	3,333	1,400	898
Transportation and Concession	5,631	2,111	327
Miscellaneous Services	2,737	2,015	658
Holding	5,443	2,335	188
Automotive industry	93	67	34
Financial	550	283	68
Wholesale	1,297	882	494
Electrical energy	728	349	8
Oil and Petrochemical	17	5	2
Steel and Metallurgy	621	424	123
Food Industry	406	269	120
Smoke and drinks	30	23	13
Paper and Pulp	29	15	9
Extraction	729	242	37
Telecommunications	3,837	738	12
Health	333	219	39
Sugar and ethanol	386	379	107
Chemistry	200	123	58
Construction Material	138	106	32
Leisure and tourism	493	327	198
Capital goods	512	460	41
Cooperative	1	1	2
Education	262	196	50
Hygiene and Cleaning Products	27	20	13
Textile	563	329	138
Appliances and electronics	81	46	39
General Industry	299	250	90
Trading	119	116	34
Information Technology	93	64	26
Agriculture	208	163	27
Packaging	38	32	20
Furniture and wood	117	83	66
Other sectors	95	70	584
Individual	41,057	25,271	5,789
\ Total Exposure	81,916	45,246	11,799
Geographic Region			
\ Domestic Market	81,899	45,193	11,428
Southeast	59,334	30,867	7,449
South	7,552	4,940	1,267
North	3,313	2,112	538
Northeast	7,274	4,634	1,422
Mid-West	4,425	2,641	753
\ Foreign Market	17	53	370
\ Total Exposure	81,916	45,246	11,799

Credit Risk

Total past due loans exposures segmented by past due loans band (CRBg)

R\$ million	Jun-24					Total	
	Past due operations						
	Less than 30 days	Past due 31 to 90 days	Past due 91 to 180 days	Past due 181 to 365 days	Past due more than 365 days		
Past due operations total	25,311	15,287	12,322	17,819	7,591	78,330	

Segregation of total restructured exposures (CRBh)

R\$ million	Jun-24	
	a	b
	Defaulted Loans	Others
Total restructured exposures	33,700	4,174

Concentration (CRBi)

% From the total book		Jun-24
10 largest		4.3%
100 largest		13.1%

9.8. Details of Credit Risk Mitigation Exposures

Information regarding the amounts considered for prudential regulation purposes before and after the use of credit risk mitigation instruments are detailed in table CR3, in which the exposures are mitigated essentially by Fiduciary Assignment of Financial Investments, Fiduciary Assignment of Credit Bills, Pledge of Financial Investments, Credit Bills and Treasury Bills.

Credit risk mitigation techniques – overview (CR3)

R\$ million	a	b	c	d	e
	Jun-24				
	Exposures unsecured	Exposures secured	Exposures secured by collateral, of which: secured amount	Exposures secured by financial guarantees	Exposures secured by credit derivatives
1 Loans	580,070	47,891	5,610	42,280	-
2 Debt securities	369,270	3,623	3,623	-	-
I Off Balance sheet	147,037	467	467	-	-
II Others	344,781	3,097	3,097	-	-
3 Total	1,441,158	55,079	12,799	42,280	-
4 of which: defaulted loans	29,072	3,758	3,412	347	-

Comments

The exposure considers the Credit Conversion Factor (CCF) and mitigation, with 76.8% covered by financial guarantees and 23.2% by collaterals.

The effects of credit risk mitigation in the capital requirements calculation, according to Circular 3,809/16, segregated by asset classes, are detailed in table CR4.

Credit Risk

Standardised approach – credit risk exposure and Credit Risk Mitigation (CRM) effects (CR4)

R\$ million	Asset Classes	a	b	c	d	e	f
		Exposures before CCF and CRM		Exposures post-CCF and CRM		RWA and RWA density	
		On-balance sheet amount	Off-balance sheet amount	On-balance sheet amount	Off-balance sheet amount	RWA	RWA density [e/(c+d)]
1	Sovereigns and their central banks	415,561	-	415,561	-	2,913	0
2	Non-central government public sector entities (PSEs)	5,110	4,004	5,110	3,190	5,573	0.7
3	Multilateral development banks	-	-	-	-	-	-
4	Banks and other institutions authorized by the Central Bank of Brazil	63,047	11,525	63,047	5,492	28,867	0.4
5	Covered bonds	-	-	-	-	-	-
6	Non-financial Corporates	125,696	75,926	125,696	39,720	118,873	0.7
6.1	Of which: specialised lending	-	-	-	-	-	-
6.2	Of which: others	125,696	75,926	125,696	39,720	118,873	0.7
7	Equity interests and subordinated debt instruments	33,322	-	33,322	-	43,088	1.3
8	Retail	286,085	235,313	286,085	36,837	207,043	0.6
9	Exposures guaranteed by real estate	112,412	10,043	112,412	10,043	52,465	0.4
9.1	Of which: secured by residential real estate, in which compliance with the financial obligations associated with the exposures is not dependent on cash flows generated by the properties	106,042	-	106,042	-	40,020	0.4
9.2	Of which: secured by residential real estate, in which compliance with the financial obligations associated with the exposures is dependent on cash flows generated by the properties	-	-	-	-	-	-
9.3	Of which: secured by non-residential real estate, in which compliance with the financial obligations associated with the exposures is not dependent on cash flows generated by the properties	-	-	-	-	-	-
9.4	Of which: secured by non-residential real estate in which compliance with the financial obligations associated with the exposures is dependent on cash flows generated by the properties	6,370	1,145	6,370	1,145	7,996	1.1
9.5	Of which: relating to real estate developments	-	8,898	-	8,898	4,449	0.5
10	Defaulted exposures	29,278	7,445	29,278	3,553	32,276	1
11	Other assets	263,468	76,194	263,468	48,669	293,154	0.9
12	Total	1,333,978	420,451	1,333,978	147,505	784,252	0.5

Comments

There was an increase of 3.1% in RWA in relation to 1Q24.

The exposures reported in table CR4 are detailed by counterparty and risk weighting factor in table CR5. Both adopt the rules and procedures of BCB Resolution 229/2022

Credit Risk

Standardised approach – exposures by asset classes and risk weights (CR5)

R\$ million

Asset Classes	Jun-24								Total credit exposures amount (post CCF and post-CRM)	
	0%	20%	50%	100%	150%	Others	Risk weight			
1 Sovereigns and their central banks	405,347	9,664	0	120	-	430			415,561	
	20%	50%	100%	150%	Others		Total credit exposures amount (post CCF and post-CRM)			
2 Non-central government public sector entities (PSEs)	-	-	-	-	8,300				8,300	
	0%	20%	30%	50%	100%	150%	Others	Total credit exposures amount (post CCF and post-CRM)		
3 Multilateral development banks (MDBs)	-	-	-	-	-	-	-		-	
	20%	30%	40%	50%	75%	100%	150%	Others	Total credit exposures amount (post CCF and post-CRM)	
4 Banks	12,286	16,450	19,318	6,996	12,500	-	583	407	68,540	
	10%	15%	20%	25%	35%	50%	100%	Others	Total credit exposures amount (post CCF and post-CRM)	
5 Covered bonds	-	-	-	-	-	-	-	-	-	
	20%	50%	65%	75%	80%	85%	100%	130%	150%	
6 Corporates	-	8,442	85,323	-	-	69,815	-	-	1,836	165,417
I Of which: specialised lending	-	-	-	-	-	-	-	-	-	-
II Of which: others	-	8,442	85,323	-	69,815	-	-	-	1,836	165,417
	100%	150%	250%	400%	Others	Total credit exposures amount (post CCF and post-CRM)				
7 Subordinated debt, equity and other capital	4,766	-	-	-	28,556			33,322		
	45%	75%	100%	Others		Total credit exposures amount (post CCF and post-CRM)				
8 Regulatory retail portfolios	40,297	214,420	-	68,205				322,922		

Credit Risk

R\$ million

Asset Classes

	Jun-24																			Total credit exposures amount (post CCF and post-CRM)
	0%	20%	25%	30%	35%	40%	45%	50%	60%	65%	70%	75%	85%	90%	100%	105%	110%	150%	Others	
9 Real estate	12	21,287	12,464	38,999	-	7,582	-	371	-	-	26,962	-	-	372	-	-	4,363	-	-	112,412
Of which: secured by residential real estate, that compliance with the financial obligations associated with the exposures is not dependent on cash flows generated by the properties	12	21,287	12,464	38,999	-	7,582	-	371	-	-	25,326	-	-	-	-	-	-	-	-	106,042
III.a	12	21,287	12,464	38,999	-	7,582	-	371	-	-	25,326	-	-	-	-	-	-	-	-	106,042
III.b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Of which: secured by residential real estate, that compliance with the financial obligations associated with the exposures is dependent on cash flows generated by the properties	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V.a	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V.b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,370
VII	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Of which: relating to real estate developments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Credit Risk

R\$ million

Asset Classes	Jun-24					Risk weight
	50%	100%	150%	Others	Total credit exposures amount (post CCF and post-CRM)	
10 Defaulted exposures	3,582	15,286	10,459	3,503	32,830	
	0%	20%	100%	1250%	Others	Total credit exposures amount (post CCF and post-CRM)
11 Other assets	15,294	-	285,363	-	21,523	322,181

Exposure amounts and CCFs applied to off-balance sheet exposures, categorised based on risk bucket of converted exposures

Risk weight	On-balance sheet exposure	Off-balance sheet exposure (pre-CCF)	Weighted average CCF*	Jun-24	
				a	b
1 Less than 40%	527,442	1,083	37%	527,846	
2 40 - 70%	166,733	179,666	27%	215,808	
3 75%	269,132	117,016	22%	295,126	
4 80 - 85%	61,509	37,786	49%	80,103	
5 90 - 100%	263,292	76,194	64%	311,961	
6 105 - 130%	28,918	-	0%	28,918	
7 150%	12,520	8,705	55%	17,289	
8 250%	-	-	0%	-	
9 400%	-	-	0%	-	
10 1,250%	-	-	0%	-	
Others	4,430	-	0%	4,430	
11 Total exposures	1,333,978	420,451	35%	1,481,482	

* Weighting is based on off-balance sheet exposure (pre-CCF).

Comments

Total credit exposures post FCC and mitigation increased by 4.0% compared to 1Q24.

Counterparty Credit Risk

10. Counterparty Credit Risk

The counterparty credit risk, to which the Organization is exposed, is represented by the possibility of loss due to the counterparty default of their obligations relating to the settlement of operations involving bilateral flows, including the financial asset trading or derivatives.

The Organization exercises complete control over the replacement cost and the potential future exposure of operations involving counterparty risk. Thus, all exposure related to this risk is part of the general credit limits set for the Organization's customers.

In conclusion, the Counterparty Credit Risk management encompasses modeling and monitoring (i) of counterparties credit limits consumption, (ii) of the adjustment of parcel to the credit fair value of derivatives portfolio (CVA, Credit Value Adjustment), segregated by counterparty, and (iii) of the respective regulatory and economic capital. The methodology adopted by the Organization, establishes that, exposition of the credit portfolio to a given counterparty, can be calculated from the Reposition Cost (RC) of its operations in different scenarios of the financial market, what is possible through the process of Monte Carlo simulation.

In risk management context, the Organization conducts studies of capital projection, such as the Stress Test of the ICAAP (Internal Capital Adequacy Assessment Process) and TEBU (Bottom-Up Stress Test). These multidisciplinary programs minimally involve the Business areas and the Economic, Budget / Result and Risk departments.

Regarding the mitigation manners of the counterparty credit risk that the Organization is exposed, the most usual is the composition of guarantees like, deposits of margin and disposal of Government bonds, which are, performed by the counterparty in the Organization or in other custodian institution, which has its counterparties risks duly assessed.

From June/19, the exposure value calculation related to counterparty credit risk arising from operations with derivatives financial instruments subject to the calculation of the capital requirement through a standardised approach (RWA_{CPAD}) was updated to Standardized Approach for Counterparty Credit Risk, according the Annex I of BCB Resolution No. 229/2022.

10.1. Details of Counterparty Credit Risk Exposure

Table CCR1 presents an overview of the approach used to calculate the capital requirement for counterparty credit risk in derivative transactions, repurchase agreements (repo) and asset loan transactions, and provide the main parameters employed, as established in Circulars No. 3,809/2016, and in BCB Resolution No. 229/2022.

Counterparty Credit Risk

Analysis of Counterparty Credit Risk (CCR) exposure by approach (CCR1)

	a	b	c	Jun-24	e	f
	Replacement cost	Potential future exposure	Alpha used for computing regulatory EAD		EAD post-CRM	RWA
R\$ million						
1 SA-CCR Approach	10,683	10,448	1.4		29,583	24,921
1.1 CEM (Current Exposure Method) Approach	-	-			-	-
3 Simple Approach for credit risk mitigation (for SFTs)					-	-
4 Comprehensive Approach for credit risk mitigation (for SFTs)				539,570	6,788	
6 Total						31,709

Comments

Compared to the previous quarter, there was an increase in exposure in operations with derivative financial instruments and in repo operations.

Table CCR3 details the counterparty credit risk exposures in derivative transactions, repurchase transactions (repo) and asset lending transactions subject to the standardised approach, as established in BCB Resolution No. 229/2022, by type of counterparty and risk weight factor.

Standardised approach of CCR exposures by regulatory portfolio and risk weights (CCR3)

	Jun-24										i Total credit exposure
	a 0%	b 10%	c 20%	d 50%	d1 65%	e1 85%	f 100%	g 150%	h Others		
R\$ million											
Regulatory portfolio											
Sovereigns	190,543	-	-	-	-	-	-	-	-	-	190,543
Non-central government public sector entities (PSEs)	-	-	-	-	-	-	-	3	-	-	3
Multilateral development banks (MDBs)	-	-	-	-	-	-	-	-	-	-	-
Financial and other institutions authorized by the Central Bank of Brazil	29,705	-	515	663	-	-	-	1	3,031	33,914	
Non-financial Corporates	311,148	-	-	-	9,792	-	22,990	-	-	-	343,929
Other	-	-	-	763	-	-	-	-	-	-	763
\ Total	531,395	-	515	1,426	9,792	-	22,992	1	3,031	569,153	

Comments

Compared to the previous quarter, there was an increase in exposure in operations with derivative financial instruments and in repo operations.

Counterparty Credit Risk

Table CCR5 details the types of collateral received or delivered in derivative transactions, repurchase transactions (repo) and asset lending, as established on Circular No. 3,809/2016, including transactions carried out through central counterparties.

Composition of collateral for CCR exposure (CCR5)

	a	b	c	d	e	f
	Jun-24					
	Collateral used in derivative transactions				Collateral used in SFTs	
	Fair value of collateral received		Fair value of posted collateral		Fair value of collateral received	Fair value of posted collateral
R\$ million	Segregated	Unsegregated	Segregated	Unsegregated	Segregated	Unsegregated
Cash – domestic currency	-	-	-	-	-	-
Cash – other currencies	-	117	-	-	17	-
Domestic sovereign debt	1,357	-	17,166	-	24,784	132,164
Government agency debt	-	-	-	-	-	-
Corporate bonds	-	-	-	-	2,034	20,416
Equity securities	-	-	-	-	-	-
Other collateral	-	-	-	-	-	-
\ Total	1,357	117	17,166	17	26,817	152,580

Comments

In relation to the previous quarter, there was a decrease in collateral received and an increase in posted collateral in repo operations.

Table CCR6 presents information on the notional and fair value of credit derivatives (transferred risk and received risk), before offsetting short and long positions.

CCR information regarding credit derivatives exposures (CCR6)

	a	b
	Jun-24	
R\$ million	Protection bought	Protection sold
\ Notionals	1,479	8,882
Single-name credit default swaps	1,479	2,329
Index credit default swaps	-	-
Total return swaps	-	6,553
\ Total notionals	-	-
\ Fair values	2,100	14
Positive fair value (asset)	2,100	-
Negative fair value (liability)	-	14

Comments

In relation to the previous quarter, there was an increase in credit derivatives exposures with protection bought and in protection sold.

Counterparty Credit Risk

Table CCR8 presents an overview of exposures to central counterparties.

CCR information regarding exposures to central counterparties (CCR8)

			a	b
			Jun-24	
	EAD (post-CRM)	RWA		
R\$ million				
1 Exposures to QCCPs (total)				
2 Exposures for trades at QCCPs (excluding initial margin and default fund contributions), of which:	11,756	235		
3 (i) OTC derivatives	856	17		
4 (ii) Exchange-traded derivatives	10,900	218		
5 (iii) Securities financing transactions	-	-		
I (iv) Netting sets where cross-product netting has been approved	-	-		
7 Segregated initial margin	16,579			
8 Non-segregated initial margin	-	-		
9 Pre-funded default fund contributions	100	13		
10 Unfunded default fund contributions	-	-		
11 Exposures to non-QCCPs (total)				
12 Exposures for trades at non-QCCPs (excluding initial margin and default fund contributions); of which:	-	-		
13 (i) OTC derivatives	-	-		
14 (ii) Exchange-traded derivatives	-	-		
15 (iii) Securities financing transactions	-	-		
II (iv) Netting sets where cross-product netting has been approved	-	-		
17 Segregated initial margin	-			
18 Non-segregated initial margin	-	-		
19 Pre-funded default fund contributions	-	-		
20 Unfunded default fund contributions	-	-		

Comments

In relation to the previous quarter, there was a decrease in exposures for trades at QCCPs and an increase in segregated initial margin.

Securitisation Exposures

11. Securitisation Exposures

Securitisation is the process in which the cash flows associated with a set of underlying assets is used for the securities remuneration in accordance with the established governance process, using as a form of Balance Sheet composition.

The portfolio comprises CRA - Agribusiness Receivables Certificate, CRI - Real Estate Receivables Certificate and FIDC - Credit Rights Investment Funds, as shown below:

- **CRA - Agribusiness Receivables Certificate:** Instructed by Law 11,076/2004, constitute a registered credit security, issued exclusively by securitisation companies and backed by Agribusiness Credit Rights;
- **CRI - Real Estate Receivables Certificate:** Instructed by Law 9,154/1997, constitute a nominative credit title, freely negotiated, backed by real estate activities, covering transaction financing or improvements;
- **FIDC - Credit Rights Investment Funds:** Complies with CVM instructions, with the pooling of resources allocating a preponderant portion of the respective shareholders' equity for investment in credit rights (sundry receivables).

Such transactions are consolidated in the Organization's Prudential Balance, according to the following categories:

- **Trading Securities:** Securities acquired for the purpose of being actively and frequently traded;
- **Securities available for sale:** Securities that do not fall under the categories of securities for trading and securities held to maturity;
- **Securities held to maturity:** securities that have the intention and financial capacity of the institution to hold them in portfolio until maturity.

Securitised operations with risk retention follow the criteria established by BCB Resolution No. 3,533/2008, in which the seller or assignor retains substantially all the risks and benefits of ownership of the financial asset object of the operation.

The exposures are part of the securitization traditional type, which is the process in which the flow of receipts associated with a set of underlying assets is used for the remuneration of securitisation bonds.

The Bradesco Organization does not operate as a sponsor of Special Purpose Entities (SPE), as well as does not it manage or advise entities on the acquisition of securitization securities issued by itself.

In addition, in the past few years there has been no sale or transfer of assets without substantial risk retention. Since all the assigned operations were subject to substantial risk retention.

Securitisation Exposures

11.1. Details of Securitisation Exposures

The total of exposures assigned with substantial risk retention in the last 12 months, which have been honored, repurchase, or written off for losses, broken down by quarter, is detailed below:

Total exposures assigned with substantial risk retention, in the last 12 months (SECAe)

R\$ million	Apr-24 to Jun-24	Jan-24 to Mar-24	Oct-23 to Dec-23	Jul-23 to Sep-23
1 Total exposures assigned with substantial risk retention	4	4	3	6
2 Total honored exposures	-	-	-	-
3 Total repurchased exposures	4	4	3	6
4 Total write-off	-	-	-	-

Securitisation exposures in the banking book (SEC1)

The following table provides information on securitisation exposures classified in the banking book.

R\$ million	a			c			d			e			g			h			i			k			l					
	Bank acts as originator						Bank acts as sponsor						Banks acts as investor																	
	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total	Traditional	Synthetic	Sub-total			
1 Retail (total), of which:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2 residential mortgage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
3 credit card	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
4 other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5 re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
6 Wholesale (total), of which:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,500	-	4,500	-	-	4,500	-	-	-			
7 loans to non-financial corporates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,487	-	-	4,487	-	-	-	-	-	-		
8 commercial mortgage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	-	13	-	-	-	-	-	-		
9 lease and receivables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
10 other	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
11 re-securitisation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

Comments

In relation to the previous quarter, there was an increase in Credit Rights Funds.

Securitisation exposures in the trading book (SEC2)

Information on securitisation exposures classified in the trading book, which the Organization does not have exposures for this database.

Securitisation Exposures

Securitisation exposures in the banking book and associated regulatory capital requirements – bank acting as originator or as sponsor (SEC3)

Information on securitisation exposures classified in the banking book and the associated regulatory capital requirements when the bank is acting as originator or as sponsor, which the Organization does not have exposures for this database.

Securitisation exposures in the banking book and associated capital requirements – bank acting as investor (SEC4)

Information on securitisation exposures classified in the trading book and the associated regulatory capital requirements when the bank is acting as originator or as sponsor.

	a	b	c	d	e	h	i	l	m	p	q
	Jun-24					Exposure values (by regulatory approach)		RWA (by regulatory approach)		Capital charge after cap	
	≤20%	20% < RW ≤ 50%	50% < RW ≤ 100%	100% < RW < 1,250%	1,250%	SA	1,250%	SA	1,250%	SA	1,250%
R\$ million											
1 Total exposures	-	3,787	101	612	-	-	-	1,944	-	156	-
2 Traditional securitisation:	-	3,787	101	612	-	-	-	1,944	-	156	-
3 Of which: securitisation	-	3,787	101	612	-	-	-	1,944	-	156	-
4 Of which: retail underlying assets	-	-	-	-	-	-	-	-	-	-	-
6 Of which: non-retail underlying assets	-	3,787	101	612	-	-	-	1,944	-	156	-
8 Of which: re-securitisation	-	-	-	-	-	-	-	-	-	-	-
9 Synthetic securitisation:	-	-	-	-	-	-	-	-	-	-	-
10 Of which: securitisation	-	-	-	-	-	-	-	-	-	-	-
11 Of which: retail underlying assets	-	-	-	-	-	-	-	-	-	-	-
12 Of which: non-retail underlying assets	-	-	-	-	-	-	-	-	-	-	-
13 Of which: re-securitisation	-	-	-	-	-	-	-	-	-	-	-

Comments

In relation to the previous quarter, there was an increase in Credit Rights Funds.

Market Risk

12. Market Risk

Market risk is represented by the possibility of financial loss due to fluctuating prices and market interest rates of financial instruments held by the Organization, as its asset and liability transactions may show mismatched amounts, maturities, currencies and indexes.

Market risk is identified, measured, mitigated, controlled and reported. The Organization's exposure profile to market risk is in line with the guidelines established by the governance process, with limits timely monitored on an independently way from the businesses areas.

All transactions that expose the Organization to market risk are mapped, measured and classified according to probability and magnitude, and the whole process is approved by the governance structure.

In line with the best Corporate Governance practices, to preserve and strengthen the management of market risk in the Organization, as well as to meet the requirements of CMN Resolution 4,557, the Board of Directors approved the Market Risk Management Policy, reviewed at least once a year by the competent committees and the Board of Directors itself, providing the main operational guidelines for accepting, controlling and managing market risk. In addition to this policy, the Organization has several specific rules that regulate the market risk management process, as follows:

- Classification of Operations;
- Reclassification of Operations;
- Trading of Government and Private Bonds;
- Use of Derivatives; and
- Hedge.

12.1. Strategies used in Market Risk Management

12.1.1. Limit Definition

The trading book market risk limit proposals are validated by specific committees, ratified by the Integrated Risk Management and Capital Allocation Committee and submitted for approval by the Board of Directors.

Trading Book: it comprises all operations involving financial instruments, including derivatives, held-for-trading or used to hedge other instruments in the Trading Book, which have no trading restrictions. Held-for-trading operations are those destined for resale, to obtain benefits from actual or expected price variations, or for arbitrage. The risks of this portfolio are monitored through of:

- Value at Risk (VaR);
- Stress (negative impact measure of extreme events, based on historical and prospective scenarios);
- P&L (profit and loss); and
- Financial Exposure / Concentration.

Market Risk

12.1.2. Market Risk Measurement Models

Market risk is measured and controlled using the Stress, Value at Risk (VaR) and Sensitivity Analysis methodologies, as well as limits for the Management of P&L and Financial Exposure. Using several methodologies to measure and evaluate risks is of great importance, because they can complement each other and their combination allows the analysis of different scenarios and situations.

Trading and Regulatory Books

Trading Book risks are controlled, principally, using Stress and Value at Risk (VaR) methodologies. The Stress methodology quantifies the negative impact of economic shocks and extreme economic events that are financially unfavorable to the Organization's positions, the analysis uses stress scenarios prepared by the Market Risk area and the Organization's Economic area based on historical and forward looking data for the risk factors in which the Organization holds a position.

The methodology adopted to calculate VaR is the Delta-Normal, with a confidence level of 99% and considering the number of days necessary to unwind the existing exposures. The methodology is applied to the Trading and Regulatory Books (Trading Book positions plus Banking Book foreign currency and commodities exposures). It is worth noting that the historical simulation and the Delta-Gama-Vega models are applied to measure all risk factors to an options portfolio, whichever is the most conservative. A minimum 252-business-day period is adopted to calculate volatilities, correlations and historical returns.

For regulatory purposes, the capital requirements relating to shares of the Banking Book Prudential Conglomerate are determined through the credit risk evaluation, as per Central Bank of Brazil resolution, i.e., they are not considered in assessing market risk.

12.1.3. Hedge and Use of Derivatives

In order to standardize the use of financial instruments used to hedge the operations and use of derivatives by the Treasury Department, the Organization created specific rules that were approved by the competent Committees.

The hedge operations executed by Organization's Treasury Department must necessarily cancel or mitigate risks related to mismatches quantities, terms, currencies or indexes of the positions in Treasury's books, for which they must use assets and derivatives authorized to be traded in each of their books to:

- Control and classify the operations, respecting the exposure and risk limits in effect;
- Alter, modify or revert positions due to changes in market and operating strategies; and
- Reduce or mitigate exposure of operations in idle markets, under stress or low liquidity conditions.

Market Risk

12.1.3.1. Hedge Accounting

Implemented in order to reduce the volatility of the accounting result, hedge accounting ensures that a gain or loss on a hedge instrument is recognized in the result in the same period in which the hedged item affects the result.

Transactions with derivative financial instruments for hedging are classified in one of the following categories:

- **Market risk hedge:** financial instruments classified in this category, as well as their related financial assets and liabilities, hedged, have their gains and losses, realized or unrealized, recorded in the income statement;
- **Cash flow hedge:** financial instruments classified in this category have an effective portion of the recorded valuations or devaluations, net of tax effects, in an account detach in shareholders' equity. The non-effective portion of the respective hedge is recognized directly in the income statement; and
- **Net investment hedge abroad:** the financial instruments classified in this category are intended to protect the foreign exchange variation of investments abroad, whose functional currency is different from the national currency, being accounted for in accordance with the accounting procedures applicable to the cash flow hedge category cash, that is, with the effective portion recognized in equity, net of tax effects, and the non-effective portion recognized in income for the period.

For derivatives classified in the hedge accounting category, there is the following: (i) effectiveness of the strategy, through prospective and retrospective effectiveness tests, and (ii) mark-to-market of hedge instruments.

12.1.3.2. Standardized Derivatives and Continued Use Derivatives

The Organization's Treasury Department may use standardized derivatives (traded in stock exchanges) and continued use derivatives (traded in over-the-counter markets) to obtain results and create hedges. The derivatives classified as continuous use, ordinarily traded in over-the-counter markets, such as vanilla swaps (interest rates, currencies, Credit Default Swap, among others), forward contracts (i.e., currencies), vanilla options (currency, Bovespa Index), among others. Non-standardized derivatives not classified as continued use or structured operations depend upon the authorization of the competent Committee.

12.2. Market Risk Management Process

The market risk management process is conducted in a corporate manner, comprising from business areas to the Board of Directors. It involves diverse areas, with specific duties in the process, thereby ensuring an efficient structure, and the measurement and control of market risk is conducted in a centralized and independent manner. This process allowed the Organization to be the first financial institution in Brazil authorized by Central Bank of Brazil to use, since January 2013, its internal market risk models to calculate regulatory capital requirements. This process, approved by the Board of Directors, is also revised at least once a year by the Committees and the Board itself.

Market Risk

12.2.1. Control and Monitoring

Market risk is controlled and monitored by an independent area, which, on a daily basis, measures the risk of outstanding positions, consolidates results and prepares reports required by the existing governance process.

In addition to daily reports, Trading Book positions are discussed on a fortnightly basis by the Treasury Executive Committee, in this meeting, results and risks are assessed, and strategies are discussed. Both the governance process and existing thresholds are ratified by the Integrated Risk Management and Capital Allocation Committee – COGIRAC and submitted to approval of the Board of Directors, and they are revised at least once a year.

In the event of any these limits being breached, the management of the area responsible for the position and COGIRAC are informed promptly about the limit consumption for decision-making. If there is a need to increase the limit and change or maintain positions, the Board of Directors is convened to deliberate on the new limit or review the position strategy.

12.2.2. Internal Reporting

The Market Risk area provides daily managerial control reports on the positions to the business areas and Senior Management, in addition to weekly reports and periodic presentations to the Board of Directors.

Reporting is conducted through an alert system, which determines the addressees of risk reports as a previously determined risk threshold percentage is reached; therefore, the higher the risk threshold consumption, more Senior Management members receive the reports.

12.3. Main Features of Models Used

12.3.1. Value at Risk – VaR

The methodology adopted to calculate VaR is the Delta-Normal, with a confidence level of 99%, and for the managerial model, the horizon applied takes into account the number of days necessary to dispose of existing exposures. The methodology is applied to the Trading and Regulatory Books (Trading Book positions plus Banking Book foreign currency and commodities exposures). In addition, the historical simulation and the Delta–Gama–Vega models are applied to measure all risk factors to an options portfolio, whichever is the most conservative, with this option risk added to the Portfolio's VaR. It is worth noting that this calculation is carried out daily and, for the regulatory model, the value at risk is extrapolated to the regulatory time horizon (greater between 10 days and the portfolio horizon), through the root of time method.

Market Risk

12.3.2. Stressed VaR – sVaR

The Stressed VaR (sVaR) is calculated daily in order to replicate the VaR calculation that would be obtained in a given historical period of stress, but using the Organization's current portfolio. The volatilities and correlations are calculated as of January 2005 for the risk factors present in the current portfolio, and the model for calculating the volatilities and correlations adopted by the Organization, specifically for the Stressed VaR, does not use decay. Once the history of volatilities and correlations is found, the current position VaR is calculated considering the historical parameters, making it possible to determine the date on which the highest VaR for the portfolio was obtained. The selected stress date will also be applied to the Stressed VaR of the options portfolio. The verification of the stress period to be used in the sVaR calculations is carried out monthly. Besides that, similarly to the daily VaR, the Stressed VaR is also extrapolated to the regulatory time horizon (greater between 10 days and the portfolio horizon) through the root of time method and its pricing approach detailed in item 12.3.7 Financial Instrument Pricing.

12.3.3. VaR Internal Model – Backtesting

The risk methodology applied is continuously assessed using backtesting techniques, which compare the one-day period VaR with the hypothetic and effective results.

In the hypothetical view, the result is calculated through the revaluation of positions at new market prices, assuming the maintenance of the portfolio from one day to the next. In the effective view, the impacts of positions reevaluation, the results of new operations carried out during the day, day trades and other items not related to market price variations, for example, fees, commissions and brokerage costs, are considered.

The main purpose is to monitor, validate and assess the adherence of the VaR model, and the number of disruptions occurred must be compatible with the number of disruptions accepted by the statistical tests conducted for the certain confidence level. Another objective is to improve the models used by the Organization through analyses carried out for different periods and VaR confidence levels, both for Portfolio Total VaR and risk factor.

12.3.4. Models – Utilization in the Prudential Conglomerate

The measurement and control of risks associated with the Trading and Regulatory portfolios is carried out in an analogous and joint manner for all companies that comprise the Organization's Prudential Conglomerate.

12.3.5. Differences between Management Model and Regulatory Model

Of a managerial nature, the stress analysis seeks to quantify the negative impact of shocks and extreme economic events that are significantly unfavorable to the Organization and that are not captured by other market risk measures, such as VaR Delta-Normal, for example. On the other hand, the regulatory model used for stress scenarios is the sVaR, whose objective is to replicate the VaR calculation that would be done in a given historical period of stress, but using the institution's current portfolio.

Also, due to the size of some positions, the Organization, in its management model, seeks to quantify the number of days necessary for a given position to be liquidated or hedged, this assessment being made by risk factor. In light of this, its management model makes use of liquidity factors, calculated daily, to calculate VaR. Such methodology differs from that addressed in the regulatory model, since in the latter, a window corresponding to the highest value between 10 working days and the portfolio horizon is adopted, with this window being fixed and the same for all instruments in the portfolio.

Market Risk

12.3.6. Volatility, Correlation and Return

The model adopted by the Organization to estimate volatility is the Exponentially Weighted Moving Averages (EWMA), with daily update, considering in its calculations the continuous return of 1 working day. To estimate the volatility for the reference date, a 252 working days window is used, starting on the working date immediately before the reference date. The parameter related to the weight given to each return is the exponential decay factor, which determines the rate at which past returns lose importance in volatility calculation. To estimate the most appropriate portfolio' decay factor, at least a biweekly study is carried out, based on the main risk factors that make up the Trading Portfolio plus currency and commodity exposures. Regarding the sample size, a minimum 252 working days window is adopted for the determination of volatilities and correlations.

As for the volatility, the model adopted by the Organization to calculate the correlation is the EWMA, with daily update, emphasizing that the daily returns, the sample size (252 working days) and the decay factor are the same adopted for the calculation volatility. As determined by BCB Circular No. 3,674/2013, and in accordance with governance approved by the Committee, the highest value between VaR calculated with a decay factor (assigns greater weight to the most recent returns) and VaR without a decay factor (returns have equal weights).

12.3.7. Financial Instrument Pricing

To adopt the best market prices related to the assessment of financial instruments' market value, was established the Mark-to-Market Commission (CMM), which is responsible for approving or submitting mark-to-market models to the Market and Liquidity Risk Commission. The CMM is composed of business, back-office and risk representatives, and the risks area responsible for the coordination of the Commission and for the submission of the matters evaluated for approval in accordance with the established governance, whichever is the case.

Whenever possible, the Bank adopts prices and rates practiced by the Securities, Commodities and Futures Exchanges and the Secondary Markets. Should these market references not be found, prices made available by other sources (such as Bloomberg, Reuters and Brokerage Firms) are used. As a last option, proprietary models are adopted to price instruments, which also follow the Mark-to-Market Commission (CMM) approval procedure and are submitted to the Organization's validation and assessment processes.

Mark-to-market criteria are periodically reviewed, according to the governance process, and may vary due to changes in market conditions, creation of new classes of instruments, establishment of new sources of data or the development of models considered more appropriate.

The financial instruments to be included in the Trading Book must be approved by the Treasury Executive Committee or the Products, Services and Partnerships Executive Committee and their pricing criteria must be defined by the CMM.

Market Risk

The following principles for the mark-to-market process are adopted by the Organization:

- **Commitment:** The Organization is engaged in guaranteeing that the prices used reflect the market value of the operations. Should information not be found, the Organization will use its best efforts to estimate the market value of the financial instruments;
- **Frequency:** the formalized mark-to-market criteria are applied on a daily basis;
- **Formality:** the CMM is responsible for ensuring the methodological quality and the formalization of the mark-to-market criteria;
- **Consistency:** the process to gather and apply prices is carried out consistently, to guarantee equal price to a type of instrument within the Organization;
- **Transparency:** the methodology must be accessible by the Internal and External Audit and Independent Model Validation areas and by Regulatory Agencies.

The resolutions No. 4,227 and 4,389 set forth the basic procedures that entities must follow in pricing financial instruments to market value and the guidelines to apply prudential adjustments to these instruments. According to the abovementioned procedures, the Organization is already aligned with these resolutions' guidelines, including applying due prudential adjustments required by regulations.

12.4. Details of Market Risk Exposures

The MR1 table provides the components of the capital requirement under the standardised approach – SA (RWA_{MPAD}) for market risk.

Market risk under the standardised approach (MR1)

R\$ million	a		
	Jun-24 RWA _{MPAD}	Mar-24 RWA _{MPAD}	Jun-23 RWA _{MPAD}
1 Interest rate	15,469	16,766	9,204
1a Fixed Rate in Reais (RWA _{JUR1})	3,660	6,337	2,125
1b Foreign Currency Coupon (RWA _{JUR2})	4,970	6,320	3,095
1c Price Index Coupon (RWA _{JUR3})	6,839	4,109	3,984
1d Interest Rate Coupon (RWA _{JUR4})	-	-	-
2 Shares (RWA_{ACS})	1,789	1,883	923
3 Foreign exchange (RWA_{CAM})	2,262	4,708	2,172
4 Commodity (RWA_{COM})	618	730	832
9 Total	20,137	24,088	13,131

Comments

In relation to the previous period, the main factor that contributed to the decrease in the Market Risk RWA for the standardised approach (RWAMPAD) was the reduction in fixed rate exposure.

In compliance with the BCB Resolution No. 111/2021, the Organization informs that no instruments reclassifications for the trading book or for the banking in the second quarter of 2024.

Market Risk

The MR2 table provides the components of the capital requirement under the internal model approaches – IMA (RWA_{MINT}) for market risk, according to Circular No. 3,646/2013, for calculating the capital requirement.

RWA_{MINT} flow statements of market risk exposures under an IMA (MR2)

R\$ million	a	b	e	f
	Jun-24			
	VaR	Stressed VaR	Other	Total RWA _{MINT}
1 RWAmint at previous data base (Mar-24)	5,198	8,247	-	13,444
2 Movement in risk levels	(437)	(406)	-	(843)
3 Updates/changes to the internal model	-	-	-	-
4 Methodology and regulation	-	-	-	-
5 Acquisitions and disposals	-	-	-	-
6 Foreign exchange movements	47	81	-	128
7 Other	(25)	(65)	-	(90)
Regulatory Adjustment	242	(1,784)	-	(1,542)
8 RWAmint at end of reporting period (Jun-24)	5,025	6,073	-	11,098

Comments

Compared to the previous period, the main factor that contributed to the decrease in the Market Risk RWA for the internal model approach (RWAMINT) was the reduction of the average exposure in fixed rate.

MR3 table, display the values (maximum, average, minimum and end of quarter) resulting from the IMA.

IMA values for trading portfolios (MR3)

R\$ million	a		
	Jun-24	Mar-24	Jun-23
\ \ VaR (10 day 99%)			
1 Maximum value	103.8	127.0	156.3
2 Average value	73.9	75.5	95.9
3 Minimum value	37.2	32.9	62.6
4 Quarter end	89.8	70.1	81.3
\ \ Stressed VaR (10 day 99%)			
5 Maximum value	129.3	192.2	287.9
6 Average value	89.1	120.5	162.2
7 Minimum value	50.5	83.0	79.1
8 Quarter end	78.2	94.0	134.3

Comments

The decrease in exposure to fixed rate influenced the average value VaR observed in the quarter, compared to the previous period.

The MR4 table presents a comparison of the results of estimates from the regulatory VaR model with both hypothetical and actual trading outcomes, in market risk RWA determined under the IMA, according to Circular No. 3,646/2013.

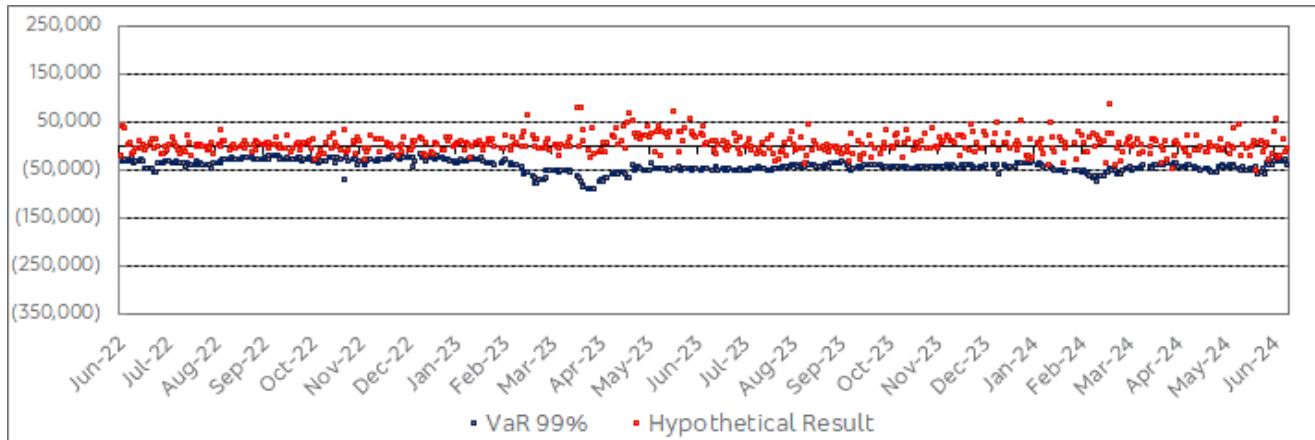
Market Risk

Comparison of VaR estimates with gains/losses (MR4)

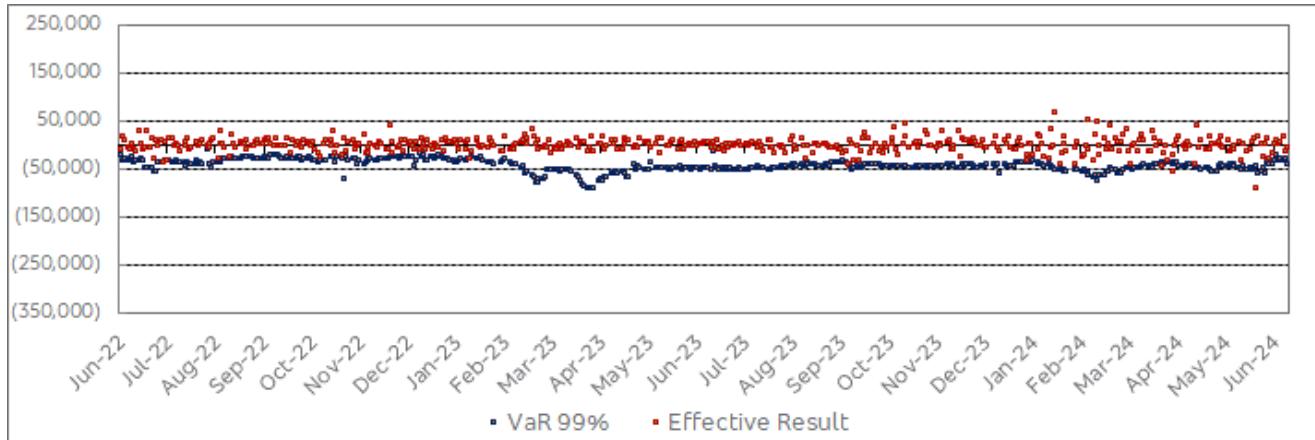
The following two graphs show the VaR of the Regulatory Portfolio for 1 day and the hypothetical and effective results, calculated daily. The actual result includes fees, brokerage, emoluments and commissions.

The Organization uses an internal market risk model, so the capital requirement associated with the model is 100%.

Daily VaR and Hypothetical Regulatory Result



Daily VaR and Regulatory Effective Result



Opening date	R\$ thousand				Reasons
	1-day VaR	Effective Result	Hypothetical Result		
09/27/23	38,316	38,776	12,637		Ibovespa has sharply fallen, influenced by US interest rates, Copom minutes and local inflation.
04/10/24	37,231	43,517	35,133		Dollar rises to its highest level since October/23, on a stress day with inflation in the USA that was higher than expected.
04/16/24	37,963	56,333	46,276		On a stress day, driven by uncertainties about the local fiscal trajectory and US interest rates, the dollar has a strong rise and the stock market falls.
06/07/24	43,245	86,651	50,399		Future interest rates soars pressured by uncertainty in Brazilian fiscal policy.

Market Risk

Total exposure associated with derivatives is presented in the table below.

Total exposure associated with derivatives (OPD)

Position	a	b	c	d	e	f	g	h
	Jun-24							
Risk Factor	Long				Short			
	Central Counterparty	Non Central Counterparty	Central Counterparty	Non Central Counterparty	Brazil	Exterior	Brazil	Abroad
	Brazil	Abroad	Brazil	Abroad	Brazil	Exterior	Brazil	Abroad
1 Interest Rate	84,646	4,023	114,081	33,581	(187,436)	(3,918)	(129,153)	(39,467)
2 Exchange Rate	11,292	234	81,571	28,654	(54,519)	(281)	(40,266)	(39,261)
3 Stock Prices	2,199	1,096	543		(1,774)	(340)	(3,947)	(1,386)
4 Commodities Prices	2	86	670	-	(0)	(697)	(65)	-

Comments

Trading and Banking Book Derivatives.

Interest Rate Risk in the Banking Book

13. Interest Rate Risk in the Banking Book (IRRBB)

The interest rate risk in the banking book (IRRBB) can be understood as the possibility of an institution being negatively impacted in its results and in its capital, due to eventual variations in the level of interest rates and their respective impacts on the bank portfolio.

Banking Book: it comprises operations not classified in the Trading Book, arising from Organization's other businesses and their respective hedges.

13.1. IRRBB Management Process

The interest rate risk in the Banking Book is measured and controlled, mainly, using the Economic Value of Equity (EVE) variation methodologies, and the Net Interest Income (NII), which respectively measure, the economic impact on the positions and the impact on the result of the Organization, according to scenarios prepared by the Organization's economic area. These scenarios determine the positive and negative movements of interest rate curves that may affect Organization's investments and capital raising.

The EVE methodology consists of re-pricing the portfolio subject to interest rate variation based on increases or decreases in the rates used to calculate the present value and the total term of assets and liabilities. Thus, the economic value of the portfolio is calculated both based on the market interest rates on the analysis date as well as on scenarios projected. Thus, the difference between the amounts obtained for the portfolio will be Δ EVE.

For NII, the methodology aims to determine the variation in the net interest income of the Organization (gross margin), due to eventual variations in the level of interest rate, in other words, the difference between the NII calculated in the base scenario and the NII calculated in the increase or decrease of the interest rate scenario, will be Δ NII.

To measure the interest rate risk in the Banking Book, assumptions related to the customer behavior are used when necessary. As a reference, for demand and savings deposits with undetermined maturity, it is studied their historical behaviors and the possibility of maintaining them. Through these studies, are defined the stable amount (core portion), as well as, its criteria for the long-term allocation.

13.1.1. Calculation Metrics

All the mentioned metrics are calculated to meet the Governance of the Treasury for Asset and Liability Management Executive Committee, which provides for a fortnightly measurement. The reassessment of the shock scenarios occurs after each meeting of the Monetary Policy Committee (COPOM). If necessary, due to some specific demand, it is also possible to update the calculation in other periods.

Interest Rate Risk in the Banking Book

13.1.2. Shock and Stress Scenarios

In addition to the standardized scenarios defined by the Regulator, the Organization's shock scenario generation process, used by the internal model in IRRBB calculating, includes quantitative approaches, based on statistical studies and simulations, as well as a prospective approach, which is under the direct responsibility of Studies and Economic Research Area, with review by the Stress Testing Technical Commission – COTES.

The analysis period is between January 2004 and the end of the month prior to the revaluation of the scenario. This cut-off date was chosen so that, simultaneously: (i) capturing the most recent period of Brazilian economy, considering the various structural changes that occurred and the consequent downward trend of variables under analysis; and (ii) to capture the 2008 global crisis, which, by characterizing a period of stress per se, includes most of the maximum fluctuations observed in the risk factors in question.

13.1.3. IRRBB Measurement

Internal Model

The Organization has, in addition to the standardized methodology defined by the regulator, its own internal models that consider assumptions similar to the regulatory model. Among these assumptions, the following stand out:

- The Non Maturity Deposits (NMDs) are based on statistical studies that take into account evolution and behavior historical;
- Shocks are elaborated by the Studies and Economic Research Area, reviewed by the Stress Testing Technical Commission – COTES and validated by the Treasury for Asset and Liability Management Executive Committee based on historical data, statistical studies and prospective analyzes;
- Shareholders' equity is used to calculate metrics.

Modeling and Standardization

We chose to consider the average spread of each product in the discount rate used in the calculation of its present value, that is, the discount rate includes the risk-free rate with the addition of the respective product spread.

The prepayment and early redemption models were based on statistical studies considering harvests and historical evolution of each product.

It is also important to mention that the internal shock scenarios consider consistencies between the risk factors, so that all the results or sensitivities generated can be added up.

Non Maturity Deposits (NMD)

Regarding NMD, both the internal model and the regulatory model have a similar maturity profile according to statistical studies based on aggregate balances. However, the regulatory model respects the average term defined by Circular No. 3,876.

Interest Rate Risk in the Banking Book

13.1.4. Hedge and Use of Derivatives

The assets and liabilities mismatches management generated by the Organization's business in Brazil and abroad, in addition to hedging external assets, is carried out based on the analysis of the political-economic, national and international scenarios.

The results, strategies, behaviors and risks of mismatches and indexes maintained by the Organization are monitored and endorsed by the Treasury for Asset and Liability Management Executive Committee.

Asset and Liability management seeks to adjust the accounting treatment of the operations used for hedging with the behavior of the underlying assets and liabilities, in addition to aligning the strategic objective of maintaining the hedge.

13.2. IRRBB Details

The variation metrics of Economic Value (Δ EVE) and variation of the result of financial intermediation (Δ NII), as established in Circular No. 3,876/2018, are published in accordance with the instructions of BCB Resolution No. 54 of December 16, 2020.

Social and Environmental Risks

14. Social and Environmental Risks

Social and environmental risks are represented by potential damages that an economic activity can cause to society and the environment. These risks, when associated with financial institutions, are indirect and result from business relations, including those with the supply chain and customers through financings and investments activities.

Social and Environmental Risks Management Process

The social and environmental risks management process relies on a governance structure composed of committees, policies, rules and procedures, which proactively ensure proper identification, measurement, mitigation, monitoring and reporting of these risks in various processes, including credit granting, investments, and supplier management.

The Organization constantly works to improve the criteria for managing these risks and strengthening processes, through a set of actions, including media research and consultations with internal and public databases, to identify potential social or environmental infractions.

It also has socio-environmental contractual clauses, which provide for the possibility of early termination of contracts if any contractual obligation is identified as being breached.

In this regard, the Organization take on various commitments related to environmental and social aspects, such as the Equator Principles, the Principles for Responsible Investment (PRI), the Business Charter for Human Rights and Promotion of Decent Work (Ethos), the United Nations Environment Program (UNEP-FI), the Global Compact, among others.

Matters relating to the analysis and monitoring of social and environmental risks are reported periodically to the Executive Board and Board of Directors, as well as to the forums and areas involved in the process of managing these risks.

Climate Risk

15. Climate Risk

Climate risk represents the possibility of financial losses for the Organization due to the potential impacts of climate change. As defined in Resolution No. 4,557 of the CMN, it refers to the possibility of losses for the institution caused by events associated with frequent and severe weather or long-term environmental changes, which may be related to changes in climate patterns (physical risks). In response to the increase of these risks, socioeconomic changes need to occur, causing the possibility of losses for the institution caused by events associated with the transition process to a low carbon economy, where the emission of greenhouse gases is reduced or offset and the natural mechanisms for capturing these gases are preserved (transition risks).

Climate risk, when associated with financial institutions, is mostly indirect and results from business relations with customers and suppliers.

Climate Risk Management Process

The management of climate risk has a governance structure composed of committees, policies, rules, and procedures, which enable the identification, classification, and monitoring of such risks in accordance with BCB Resolutions. The procedures are also in line with relevance and proportionality principles that are necessary given the complexity of the Organization's financial products and activity profile.

The process is reflected within the Social, Environmental and Climatic Standard, which includes the analysis scope defined by the Organization and consists of identifying, classifying, and monitoring climate risk levels. This assessment is being incorporated into the credit granting process for corporate loans. Additionally, the Bank's corporate loan portfolio exposure to the potential impacts of climate change by sector is monitored.

Matters related to the analysis and monitoring of climate risk are reported to the areas involved in the credit operations process, in addition to periodic reports to the Executive Board and the Board of Directors.

Initiatives and Commitments

The Organization is committed to a series of climate related initiatives with emphasis on the Net Zero Banking Alliance (NZBA), Principles for Responsible Investment (PRI), in addition to being a signatory to the Global Compact and participating in the United Nations Environment Programme Financial Initiative (UNEP-FI). Since 2019, Bradesco participated in sectoral initiatives focused on the development of methodologies and tools for managing climate risks for the banking industry, in line with the recommendations of the Task Force on Climate-related Financial Disclosures (TCFD).

Model Risk

16. Model Risk

Models are quantitative tools that provide the complex issues synthesis, standardization and automation of decision making and the possibility of reusing internal and external information. This brings improved efficiency both by reducing costs associated with analysis, judgmental decision and by increasing precision. Its use is an increasingly widespread practice, especially due to technological advances and new artificial intelligence techniques.

However, when it comes to reality simplifications, the models are subject to risks, represented by the possibility of making inappropriate business decisions, based on a model developed with failures/deficiencies, or due to inappropriate use.

Model Risk Management Process

In the Organization, the responsibility for validating and reporting model risk to Senior Management belongs to the Independent Model Validation Area (AVIM), subordinate to the Chief Risk Officer (CRO).

AVIM's main functions are Models Risk Governance and Independent Model Validation, seeking to ensure the integrity of data and reports and the existence of controls and tests, which guarantee the implementation and proper use of models and adherence to regulatory standards.

It is also noteworthy that the model risk management process has an appropriate structure of roles and responsibilities, involving all the stakeholders who, in an integrated manner, act to identify, inventory, evaluate, classify and monitor the models.

Model Risk Methodology

The model risk methodology comprises the classification into Tiers, which represent its relevance for the Organization and determine the prioritization, latency, and level of depth of the analyzes used in its assessment.

The assessment approach of the model risk includes qualitative and quantitative aspects, the analysis of which results in a score that leads to five rating levels: Minimal Risk, Low Risk, Moderate Risk, High Risk, and Very High Risk.

AVIM prepares the model validation and verification schedule based on prioritization criteria (Tier) and submits it for evaluation by the Integrated Risk Management and Capital Allocation Committee.

Additionally, the report of model risk monitoring is carried out in the Model Risk Assessment and Control Commission and the Integrated Risk Management and Capital Allocation Committee, the last one responsible for discussing and formalizing the methodologies for controlling and evaluating of model risk.

Operational Risk

17. Operational Risk

Operational risk is represented by the possibility of losses resulting from external events or failure, deficiency, or inadequacy of internal processes, people, or systems. This definition includes the legal risk associated with inadequacy or deficiency in contracts signed by the Organization, sanctions due to non-compliance with legal provisions and compensation for damages to third parties arising from the activities carried out by the Organization.

Operational Risk Management Process

Operational risk management is carried out corporately and involves various areas with specific assignments to ensure an efficient structure, which allows for adequate risk assessment and supports managers and Senior Management in decision-making.

The process includes steps such as identification, evaluation, and continuous monitoring of the operational risks inherent to the Organization's activities, including new products, services, and partners aiming at their compliance with legislation and procedures and controls, as well as the regulatory environment, whose the result and its main aspects are periodically reported to Senior Management and the regulator.

These procedures are supported by an internal controls system, independently certified as to their efficacy and execution, to achieve risk appetite limits established by the Organization.

Matters related to operational loss events, as well as the controls and actions taken to mitigate them, are presented and discussed periodically with the areas involved in the operational risk management process, including the involvement of Senior Management.

Operational Risk Methodology Measure

Pursuant to Central Bank of Brazil Circular No. 3,640/2013, the Organization adopted the Alternative Standardised Approach to calculate the risk-weighted assets corresponding to the Operational Risk (RWA_{OPAD}).

Moreover, the Organization uses the operational losses internal data, which are used to measure the operational risk economic capital based on internal models. In this context, the Organization classifies the operational risk events as follows:

Operational Risk Events	
■ Internal Fraud	■ Damage to physical assets owned or in use by the institution
■ External Fraud	■ Failures in information technology (IT) systems, processes or infrastructure
■ Labor demands and poor workplace safety	■ Failures in the execution, in meeting deadlines or in the management of the institution's activities
■ Inappropriate practices regarding customers, products and services	■ Situations that lead to the institution's activities interruption or the discontinuance of the services provided

Business Continuity Management

18. Business Continuity Management (BCM)

The Organization establish the Business Continuity program according to ABNT NBR ISO 22,301, which defines as "the ability of the Organization to keep on delivering goods or services according to previously defined and acceptable levels after disruption incidents".

The procedures adopted after a disruption, which must ensure an acceptable operational level for critical business processes – whether internal or outsourced –, are included into a Business Continuity Plan (BCP) whose purpose is to recover the activities reducing potential impacts for our customers.

The organizational and the governance structures established regarding Business Continuity include policies and standards that define the roles and responsibilities aimed at ensuring that the plans and strategies employed are up to date. The PCN effectiveness is guaranteed by through the application of tests and exercises in business units on a regular basis. The Organization's Continuity Management Program also takes into account the critical processes carried out by service providers.

Policies and standards are in line with the Central Bank of Brazil regulations and the recommendations of the Basel Committee on Banking Supervision. Business Continuity Management process is under the responsibility of the Business Continuity Management area, part of Integrated Risk Control Department (DCIR).

Business Continuity Management Process

The business continuity management process is carried out in a corporate and integrated manner, in order to accomplish the annual cycle in the Organization. According to this process, the units must:

- Review business processes based on the Business Impact Assessment (BIA) on a timely basis;
- Assess Business Continuity strategies;
- Keep all plans duly reviewed and updated in a corporate tool;
- Promote awareness on Business Continuity to the persons involved in the activities;
- Test all plans and strategies according to the annual planning;
- Analyze the outcomes and make adjustments and improvements, when necessary;
- Identify, assess and handle all continuity procedures that involve providers and systems that are deemed material for the unit's activities.

The business continuity actions are developed internally, based on the best practices issued by the key international entities in the sector: DRII – Disaster Recovery Institute International (USA) and BCI – Business Continuity Institute (UK). It also takes into account national rulings and frameworks, such as ABNT NBR ISO 22301 and ABNT NBR ISO 22313 standards.

Control and Monitoring

All stages of the continuity management process are controlled by the Business Continuity Management (GCN) area through monitoring tests and exercises of PCN in the business areas, as well as Disaster Recovery (DRPs) exercises with the Technology Departments of the Organization with its results being assessed and provided to the respective departments and to forums of the Organization and making available to the Regulatory Agencies, and Internal and External Audits. Additionally, the GCN area is also responsible for ensuring the physical infrastructure assets maintenance of the Corporate Business Continuity site.

Internal Reporting

All communication actions are accessible to employees of Departments and Related Companies through: Policies and Standards on Business Continuity and Material Providers, available at the Normative system; On-line training programs offered in the corporate intranet system; Meetings held with BCM Representatives; and awareness trainings.

Corporate Crisis Management

19. Corporate Crisis Management

The Organization defines incident and crisis as follows:

Incident: momentary event, of small complexity and with possible repercussions for stakeholders. The incident, depending on the severity, is classified as relevant or critical.

Crisis: the occurrence of an adverse event (or combination of events) extremely rare, unstable and complex that may result in a relationship deterioration with stakeholders and also, represent a potential threat to strategic objectives, reputation or even the Organization existence.

Corporate Incident and Crisis Management Process

The corporate incident and crisis management process contributes so that any signs of incident and crisis are timely identified, evaluated, classified according to their severity, in order to actions are promptly taken to reestablish the normal activities course and strengthen the Organization's operational resilience.

The corporate incident and crisis management process comprises the following stages:

- **Prevention:** Identify vulnerabilities and develop scenarios that could result in incident and/or crisis;
- **Preparation:** Develop incident and/or crisis response plans and conduct training;
- **Response:** Trigger incident and crisis management and execute response plans;
- **Recovery:** Identify opportunities to improve incident and crisis management process and plans.

In order to harmonize the severity of an incident and/or crisis perception, the Organization established impacts levels that support the resources optimization and dimensioning of the necessary efforts in light of the event that is presented, being relevant incident, critical incident and crisis.

Internal communication for corporate incident and crisis management is carried out in a timely manner through the issuance of bulletins and reports in accordance with established governance.

Corporate Incident and Crisis Management Structure

The corporate incident and crisis management structure comprises a robust control process, composed by forums that support decision-making, provide information, propose necessary actions and report on the effectiveness of executed actions.

Strategy Risk

20. Strategy Risk

The strategy risk is represented by the deterioration possibility in results, capital and/or strategic indicators (in relation to plan) due to business decisions not according with the strategy, inadequate decisions in the process of implementation, as well as lack and/or insufficient reaction to changes in the business environment.

Strategy Risk Management Process

The strategy risk management process is carried out in a corporate and integrated manner, comprising the identification, classification, control and reporting of risks that may compromise the achievement of the Organization's strategic objectives.

The Organization bases its works on four pillars – client, our inspiration; people, our team; digital transformation, how we do it; and sustainability, made to last – that support the corporate purpose of create opportunities for the progress of people and the sustainable development of companies and society.

The management of strategy risk is carried out periodically by monitoring the strategic pillars risk, considering the assessment of strategic objectives and initiatives, critical success factors, competitive advantage and disadvantage, opportunities and threats, among other aspects.

Strategy risk management is supported by Policy and Standard, which describe the assessment scope, methodology and governance of strategy risk, in line with the Organization's guidelines.

Step-in Risk

21. Step-in Risk

Step-in risk is represented by the possibility of occurrence of financial loss resulting from the Organization's (contractual or non-contractual) relationships with controlled, affiliated companies, parallel structures, parent companies, investment funds, foundations, suppliers and unconsolidated partners in the Prudential Conglomerate.

Step-in Risk Management Process

The Organization, in view of the complexity and variety of its activities, interacts with several entities not present in the consolidation of the financial statements and, therefore, is also exposed to various types of risks, whether they arise from internal or external factors.

The step-in risk management process is carried out in a corporate and integrated manner, comprising the evaluation of unconsolidated relationships in the Prudential Conglomerate, in which, regardless of whether or not there is participation in the capital, they may generate a need for a future financial contribution, even if there is no legal or contractual obligation to do so, other than the possibility of impacting the Organization's reputation. This process contributes so that any signs of contagion are identified in a timely manner, evaluated and classified according to their severity, so that actions are promptly adopted in order to subsidize Senior Management in decision-making.

Therefore, the Organization recognized this theme in the Step-in Risk Policy and Guideline, which deals with the scope of assessment, methodology and governance of step-in risk. The methodology comprises a set of financial indicators, the control environment, management and materiality of the entity that aim to capture the probability and impact of a potential step-in risk of the assessed entity, resulting in classification in one of the following levels: Minimum, Low, Moderate, High and Very High.

Matters related to the analysis and monitoring of Step-in risk are reported promptly to the areas involved, in accordance with established governance.

Cybersecurity Risk

22. Cybersecurity Risk

Represented by the possibility of cyber incidents, including attacks, intrusions and leakage, that could compromise the confidentiality, integrity and/or availability of the Organization's critical business processes, assets and/or infrastructure.

Cybersecurity Risk Management Process

The cybersecurity risk management framework aims to ensure governance compatible with the Organization's size, risk profile and business model, so that critical IT assets and infrastructure are able to resist cyber attacks. This structure is adopted in a corporate manner and involves Organization's several areas, which have specific attributions, ensuring an efficient structure in the control and mitigation of these risks, allowing them to be identified, measured, manage and communicated, contributing to the achievement of strategic objectives.

To ensure the proper management of cybersecurity risk, which allows for an adequate assessment of risks and support managers and Senior Management in decision-making, the Organization is based on the pillars of Information Security and Cybernetics:

- **Confidentiality:** With proper classification, encryption, access controls and network segmentation so that the right to read, copy and use information is granted only when necessary and to authorized persons, protecting the Organization against misuse or data leakage;
- **Integrity:** With proper authentication, traceability and data protection controls to ensure accuracy, consistency and reliability of information, protecting the Organization's assets against malicious software or cyber attacks that cause data to be corrupted, altered or destroyed;
- **Availability:** With proper backup, contingency and redundancy procedures, so that critical business processes can be performed properly, protecting the Organization's assets against the cyber attacks that deplete the capacity of the technology infrastructure and cause instability, deactivation or unavailability services.

The above principles are followed in adopting the best market practices in processes, methodology and controls for the identification and management of cybersecurity risk, as well as the prevention and treatment of information security and cyber incidents. For this, the following activities are carried out:

- **Threat Identification:** Detect and identify threats and vulnerabilities, as well as identify and assess risks and define potential scenarios that could affect the Organization's cyber environment. This stage also comprises the continuous governance indicators monitoring that contribute to improve the trends identification and anticipate possible incidents;
- **Protection Against Attacks:** Take preventive actions to mitigate or transfer cybersecurity risk and safeguard critical assets, such as information and cybersecurity awareness and training, as well as implement security updates, protection against viruses, files and malicious software, managed and periodically updated;
- **Attack Detection:** Timely monitor and identify the risk materialized in attacks or information leakage, with monitoring tools and investigation processes that inform those responsible for response actions;
- **Attack Response and Recovery:** Record, analyse the origin and relevant incidents effects, duly detailed actions in specific Incident Management regulations, defining the criticality assessment, designation of persons responsible and expected action to contain the incident, restore the assets

Cybersecurity Risk

and mitigating the impacts in addition to guiding the actions to be taken in the post-incident to support decision-making that prevents the new similar attacks occurrence.

In compliance with CMN Resolution No. 4,893/21, the Organization uses various means such as corporate policies and standards revised annually, training and awareness activities in information and cyber security, communication of threats and incidents to stakeholders, Information Security and Cybernetics indicator management process, issuing an annual cybersecurity report, in addition to independent effectiveness tests and periodic carried out in key controls to monitor cybersecurity risk.

Matters related to cybersecurity risk events are reported on a timely and periodic manner in the Organization's risk control forums, including timely communication with stakeholders.

Cybersecurity Risk Methodology Measure

The Organization uses internal and external information sources about new threats types, vulnerabilities and cyber attacks, in addition to market standards such as ISO/IEC 27005:2018 - Information Security Risk Management, NIST Cybersecurity Framework - NIST CSF (Guide to Improving Cybersecurity for Critical Infrastructure) and the Information Security Forum (ISF) for the development of an internal cybersecurity risk assessment model.

Incident Severity Graduation

Information and cybersecurity incidents are graded according to the severity factors defined in an "Information and Cybersecurity Incident Severity Matrix", which considers the potential impacts: to customers, employees and other interested parties; financial; regulatory; reputational; availability of systems or services; and, the holders privacy of data.

Tactical Actions Group for Information and Cybersecurity Incidents (GATI)

The GATI, a multidisciplinary group, aims to conduct the technical analysis and direct timely measures during the security incidents handling of greater severity and potential impacts to the Organization and, also, to support and monitor, in a collegiate manner, the actions and decision-making related to the incident.

Hiring Relevant Service Providers

For data processing and storage and cloud computing service providers classified as a relevant service, there is an information security assessment.

Assurance System and Organization Controls Report - SOC 2 - Type II

The Organization conquered the SOC 2 Type II Assurance, issued by an independent specialized audit, in April 2023. This Assurance confirmed the consistency and effectiveness of the controls implemented for the security of the IT environment, regarding the financial services provided, with evaluation based on security criteria and controls of international standard information (AICPA – Association of International Certified Professional Accountants) covering the service categories: security, availability, processing integrity, confidentiality and privacy.

Compliance Risk

23. Compliance Risk

It is the risk arising from legal or administrative sanctions, financial losses, reputational damage and others due to non-compliance or failure to observe the legal framework, the infralegal regulation, the recommendations of regulatory bodies and of self-regulatory organizations and ethical conduct codes applicable to the developed activities by the Organization.

Management Process

To compliance risk management to be carried out in an integrated and coordinated manner, the following activities are essentially carried out:

- Advising the Organization on compliance risk matters;
- Promoting acculturation actions for administrators, employees, trainees, apprentices and collaborators, as well as promoting training and awareness programs on compliance issues;
- Establishment rules and procedures aimed at the Organization's adherence to the Code of Ethical Conduct and to external rules on conduct with the customer, competition and anti-corruption;
- Evaluating and certification the legal and regulatory aspects concerning the Organization's products, services and partnerships;
- Coordination the service to the demands of regulatory bodies, regulators, self-regulators, counterparties and correspondent banks;
- Identification, assessment, treatment and monitoring compliance risks inherent to the Organization's activities;
- Management the Expected Conduct Program;
- Monitoring and new regulations disclosing and legislation applicable to the Organization's activities and certification of actions adopted by managers to comply with new regulatory rules; and
- Monitoring the implementation of policies and procedures.

These procedures are distributed in actions focused on strategy, prevention, detection, response and remediation and reporting.

Appendix

I. Appendix

The appendix described below are available on the Investor Relations website (bradescori.com.br – Market Information – Risk Management – Exhibits Pillar 3), as well as all the tables listed in this document.

Institutions Participating in the Prudential Conglomerate – IPCP

Show the scope of the publication, in addition to the Prudential Conglomerate's institutions, the following companies are also part of the consolidation.

Relevant Institutions – IREL

List of the main companies, with a direct and indirect interest, included in the accounting statements.

Equity Interests – PS

Information on the companies' equity interests.

Glossary

II. Glossary

A

ABNT – Associação Brasileira de Normas Técnicas (Brazilian Technical Standards Association)

AICPA – Association of International Certified Professional Accountants

ANS – National Regulatory Agency for Private Health Insurance and Plans

ASF – Available Stable Funding

AVIM – Independent Model Validation Area

B

BCB – Central Bank of Brazil

BCI – Business Continuity Institute

BCM – Business Continuity Management

BCP – Business Continuity Plan

BIA – Business Impact Assessment

C

CCF – Credit Conversion Factors

CCR – Counterparty Credit Risk

CEO – Chief Executive Officer

CET1 – Common Equity Tier I

CMM – Mark-to-Market Commission

CMN – National Monetary Council's

COAUD – Board of Directors and the Audit Committee

COGIRAC – Integrated Risk Management and Capital Allocation Committee

COTES – Stress Testing Technical Commission

CRA – Agribusiness Receivables Certificate

CRI – Certificado de Recebível Imobiliário (Securitised Real Estate Loans)

CRM – Credit Risk Mitigation

CRO – Chief Risk Officer

CVA – Credit Value Adjustment

D

DCIR – Integrated Risk Control Department

DEPEC – Studies and Economic Research Department

E

EVE – Economic Value of Equity

F

FIDC – Fundo de Investimento em Direito Creditório (Credit Rights Investment Funds)

H

Glossary

HQLA – High Quality Liquid Assets

I

ICAAP – Internal Capital Adequacy Assessment Process

IMA – Internal Model Approaches

ISO – International Organization for Standardization

L

LCR – Liquidity Coverage Ratio

LR – Leverage Ratio

N

NBR – *Norma Brasileira* (Brazilian Rule)

NII – Net Interest Income

NSFR – Net Stable Funding Ratio

NZBA – Net Zero Banking Alliance

P

P&L – Profit and Loss

PRI – Principles for Responsible Investment

R

RAS – Risk Appetite Statement

RSF – Required Stable Funding

RWA – Risk-Weighted Assets

RWA_{CIRB} – Risk-weighted assets portion relating to credit risk, internal approach

RWA_{CPAD} – Risk-weighted assets portion relating to credit risk, standard approach

RWA_{MPAD} – Risk-weighted assets portion relating to market risk, standard approach

RWA_{MINT} – Risk-weighted assets portion relating to market risk, internal approach

RWA_{OPAD} – Risk-weighted assets portion relating to operational risk, standard approach

S

SA – Standardized Approach

SPE – Special Purpose Entities

SUSEP – Superintendence of Private Insurance

T

TCFD – Task Force on Climate-related Financial Disclosures

U

UNEP-FI – Principles for Responsible Investment

USA – United States of America

V

VaR – Value at Risk



bradesco