

# **Erste Bank a.d. Novi Sad**

Disclosure of data and information for the year ended 31 December 2013

# **GENERAL INFORMATION**

# **ERSTE BANK A.D. NOVI SAD**

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# **DEFINITIONS**

Economic capital Amount of capital needed to cover all the Bank's risks using

economical measures to ensure its sustainability

Internal capital Amount of capital, including capital like components, according to the

Bank's internal definitions

Price Value Basis Point Measurement of risk of change in portfolio value caused by changing

interest rate for one basis point. Can be calculated only for

instruments whose value is sensitive to changes in interest rates

Internal Capital Adequacy

Assessment process

Process and systems established to determine the level of internal capital adequate to cover materially significant risk types the Bank faces, different from those provided by the National Bank of Serbia

Decision on Capital Adequacy of Banks

Liquidity Coverage Ratio Ratio of Stock of high-quality liquid assets and Total net cash outflows

over the next 30 days

Net Stable Funding Ratio Ratio of Available amount of stable funding and Required amount of

stable funding

Regulatory capital Amount of capital charges according to National Bank of Serbia

Decision on Capital Adequacy of Banks

Risk Profile Bank's assessment of the structure and level of risks it is or could be

exposed to in its operations

Value at Risk The largest possible loss in the Bank's portfolio during a specified time

period and within a given interval of confidence

# **ABBREVIATIONS**

ALM Asset and Liabilities Management

BIA Basic Indicator Approach
CRM Credit Risk Mitigation

CRO Credit Risk Officer

ICAAP Internal Capital Adequacy Assessment Process

IRB Internal Ratings Based Approach

LCR Liquidity Coverage Ratio

NSFR Net Stable Funding Ratio

IAS International Accounting Standards

IFRS International Financial Reporting Standards

MREL Maximum Risk Exposure Limit

NBS National bank of Serbia

p.a. per annum

PVBP Price Value Basis Point

VaR Value-at-Risk

RCC Risk-bearing Capacity Calculation

PD Probability of Default
EAD Exposure at Default
LGD Loss Given Default

RSD Republic of Serbia Dinar RWA Risk Weighted Assets

AMA Advanced Measurement Approach

# 1. INTRODUCTION

Erste Bank a.d. Novi Sad (hereinafter referred as "the Bank"), member of Erste Bank Group (hereinafter referred as "the Group"), prepares Disclosure Report on data and information (hereinafter referred as "Disclosure Report" or "Report") as at 31 December 2013 and for the year then ended.

This Report gives the reader an opportunity to gain comprehensive overview of the current risk profile and the risk and capital management systems of the Bank. The Report comprises particularly the qualitative and quantitative data and/ or information falling in the following areas:

- risk management strategy and policies;
- capital structure;
- capital adequacy;
- internal capital adequacy assessment process;
- Bank's exposure to risks and approaches for risk measurement and assessment.

The Report fulfils the disclosure requirements according to article 51a of the Law on banks ("Official Gazette of the Republic of Serbia", no. 107/2005 and 91/2010) and according to National Bank of Serbia Decision on Disclosure of Data and Information by Banks ("Official Gazette of the Republic of Serbia", no. 45/2011).

Pursuant to the Decision on Disclosure of Data and Information by Banks, the Bank is obliged to disclose qualitative and quantitative data and/or information, within the scope of the said Decision, once a year, as at 31 December. Additionally, quantitative data and/or information are required to be disclosed also as at 30 June.

Activities that ensure correctness and adequacy of data and/or information published within the scope of the Disclosure Report are subject to an independent audit.

The Report is available at the Bank's website (http://www.erstebank.rs/rs/O\_nama/Izvestaji).

The data and/or information in this Report are presented in Republic of Serbia Dinars ("RSD") currency and all values are rounded to the nearest thousand (RSD '000), except when otherwise indicated.

# 2. RISK MANAGEMENT SYSTEM

### 2.1. RISK MANAGEMENT SYSTEM, STRATEGY AND POLICIES

Having in mind its area of business, the Bank is susceptible to different risks in its operations and therefore the presence of risks is a general attribute of Bank's different business activities. Related, the Bank has established a comprehensive and reliable risk management system which is based on its clear risk management strategy and integrated in all its business activities, thus ensuring that the Bank's risk profile is in line with its established risk appetite.

Risk management system comprises management of all risks the Bank is or can be exposed to in its operations and encompasses risk identification, measurement and/ or assessment, mitigation and monitoring, including supervision and reporting on risks. In addition to meeting the internal goal of effective and efficient risk management, Bank's risk management system has been developed to fulfil external, and in particular, regulatory requirements.

Bank's proactive risk strategy aims at achieving an optimal acceptable level of risks so as to minimize potential adverse effects to the Bank's capital and financial performance, while at the same time complying with the principles of stability, safety, liquidity and rentability.

The risk management strategy is described and defined in details within the following Bank's documents: Risk Materiality Assessment Policy, Risk-bearing Capacity Calculation Policy, Stress Testing Policy and Risk Appetite Statement Policy. The documents layout the summary and definitions of all risks the Bank is or may be exposed to, long-term goals determined by the bank's business policy and strategy, as well as propensity to risks defined in accordance with these goals, main principles of risk assumption and risk management, risk materiality assessment, methodology on capital requirements calculation, stress testing methodology as well as other main principles of the internal capital adequacy assessment process.

Bank's acceptable level of risk, i.e. its risk appetite, represents the structure and maximum level of risks the Bank is willing to take from strategic point of view. Bank's risk appetite is consistent with the Bank's strategic and business plans. Ensuring that the Bank is performing its operations in accordance with determined risk appetite is achieved through regular budgeting process for the following year as well as for the following four years, through implementation of operating goals for individual risk types and operating limits, securing in such a manner integration of risk management system in all Bank's operations.

The Bank has established policies and processes according to the defined risk management strategy which provide sufficient support and guidance to achieve strategic goals and regulatory compliance related to management of individual risks, as well as procedures related to the Bank's regular reporting in relation to the risk management. Policies and procedures framework is comprehensive, centrally stored, transparent and accessible for relevant stakeholders.

Given the Bank's business strategy, the key risks for the Bank are credit risk, market risks and operational risk. The Bank also focuses on managing liquidity and concentration risks. In addition to managing these risks, the Bank's control and risk management framework takes account of other significant risks faced by the Bank.

### 2.2. ORGANISATION OF RISK MANAGEMENT

Risk monitoring and control is achieved through a clear organisational structure with defined roles and responsibilities, delegated authorities and risk limits.

The Management Board and the Executive Committee are ultimately responsible for risk management. The Executive Committee, and in particular the Executive Committee member in charge of risks (Chief Risk Officer - CRO), has to perform its oversight function within the Bank's risk management structure. Risk control and management functions within the Bank are performed based on the business and risk strategies approved by the Board of Directors and risk management framework. The CRO is responsible for the implementation of and adherence to the risk control and risk management strategies across all risk types and business lines. While the Executive Committee and, in particular the CRO, ensure the availability of appropriate infrastructure and staff as well as methods, standards and processes to that effect, the actual identification, measurement, assessment, approval, monitoring, steering, and setting limits for the relevant risks are performed at the operating level. The Executive Committee is supported by several separate independent units and/ or bodies established to perform operational risk control functions and exercise strategic management responsibilities.

Risk Management is committed to the following units/bodies:

### **Risk Management Division**

Risk Management Division, being a separate organisational structure functionally and organizationally separated from Bank's risk underwriting activities, is responsible for risk management system within the Bank.

Responsibilities of the Risk Management Division encompass the following:

- Identification and measurement and/or assessment of Bank's exposure to individual risk types;
- Risk monitoring, including risk supervision, analysis and reporting on individual risk types amount, their sources and consequences;
- Measurement and/or assessment of Bank's risk profile and capital adequacy;
- Monitoring of parameters influencing Bank's risk exposure position, primarily including management and optimisation of credit portfolio quality and risk cost;
- Development, application and validation of quantitative risk measurement methods and models, being element of business decision making;
- Developing strategies and proposing Bank's risk exposure limits per different risk types, as well as monitoring of the fulfilment of the same;
- Quantification of stress testing results of changes in economic environment and macroeconomic conditions that influence Bank's financial position and capital;
- Risk assessment of new products and processes;
- Defining methodologies, rules, policies and procedures for risk management in accordance with applicable regulatory framework, Group requirements as well as Bank's specific circumstances;
- Enabling of consistency and transparency within the process for identification, measurement, management, supervision and reporting on risks;
- Establishment of business practice and development of risk oriented culture by raising employees' awareness on risk management.

Considering different areas of business it covers and with the aim of efficient performance of its responsibilities, Risk Management Division is divided into the following organization units:

- Retail Risk Management Department;
- Corporate Risk Management Department;
- Workout and Restructuring Department;
- Strategic Risk Management Department.

The following diagram presents an overview of Bank's Risk Management Division organisation structure, showing its Departments and associated Units, thus presenting Division's respective control governance.

Retail Risk Corporate Risk Restructuring Retail Credit Loan Portfolio Corporate Restructuring Credit Risk Management Market and Micro Credit Collateral Workout and Liquidity Risk Management Recovery Managément **SABINE** and other Collection specific risks Analysis Management Ouantitative analysis and Modeling

Figure 1: Strategic Risk Management Division organisation

Retail Risk Management Department focuses on retail business, encompassing private individuals and micro clients. It coordinates retail credit risk management processes and standards, primarily through retail clients underwriting process. The Department is also responsible for collection process from non-performing clients (private individuals only) as well as provision of different credit risk analysis and reports on the Bank's retail business.

Corporate Risk Management Department is the operative credit risk management function for Bank's corporate business clients. It is responsible for the formal verification, recommendation and approval of all credit risks of corporate clients. Department is also responsible for management and monitoring of collaterals provided by Bank's corporate clients.

Workout and Restructuring Department is responsible for collection from as well as restructuring of non-performing accounts in the corporate and micro clients segments.

Strategic Risk Management Department is responsible for macro-managing the Bank's risk portfolios, provision of adequate risk measurement methodologies and tools as well as an appropriate risk control and policy framework.

### **Credit Committee**

Credit Committee as decision making authority is responsible for loan underwriting and approving Bank exposure towards customers. Committee is organised in five levels (CC1 to CC5) depending on the total client limit, its collateral coverage and rating. Any decision has to follow the 4-eye-principle suggesting that any decision has to be signed by two competent decision makers (approval authorities).

### **Assets and Liability Management Committee**

Assets and Liability Management Committee (ALCO) monitors Bank's exposure towards the risks coming from the structure of its balance sheet liabilities and receivables and off-balance sheet items, suggests measures for interest rate risk and liquidity risk management, and conducts other operations foreseen by Bank's internal regulation and National Bank of Serbia regulation.

### **Asset and Liability Management Department**

Asset and Liability Management Unit is organized as an independent organizational unit that is reports directly to the Executive Committee of the Bank. It is primarily responsible for management of funding

and liquidity position of the Bank, as well as management of interest rate risk and foreign currency risk.

# **Internal Audit Department**

Internal Audit conducts independent evaluation of Risk management processes, regularly performs assessment of the Bank's internal control system - its adequacy, reliability and efficiency, and reports their findings to Bank's management and Audit Committee.

### **Compliance Department**

Compliance Department, is an independent organizational unit, responsible for identification and monitoring of compliance risk as well as management of this risk. Compliance risk comprehends of: risk of regulatory sanctions, risk of financial loss and reputational risk and may arise from non-compliance of the Bank with applicable laws, regulations, standards of operations, as well as good business practice.

Compliance Department manages following risks:

- Central compliance Unit— risks of compliance with regulation, risks related to securities within the scope of conflict of interests risk and reputational risk management;
- Anti-money laundering Unit- anti-money laundering and terrorism financing risks;
- Financial crime risks management Unit— risks of internal and external frauds, criminal actions, non-compliance with regulation and Bank's internal policies, risk of unethical behaviour.

### 2.3. RISK MANAGEMENT REPORTING SYSTEM

A reporting framework is vital to provide the Bank's management with steering relevant information. Adequacy in terms of scope, quality and timelines is necessary to enable management to adequately and timely respond to the actual and foreseeable risk developments.

Monitoring and controlling risks is, among other, achieved through a comprehensive reporting system supported by establishment of limits. The limits reflect the business strategy and market environment of the Bank, as well as the level of risks the Bank is willing to accept. Risk exposure and its development are compared against different limits set in order to ensure adequate risk profile of the Bank.

Information compiled from all operating activities are being examined and processed in order to identify, analyse and control new risks. This information is presented and explained to the Management Board, Executive Committee, Asset and Liabilities Management Committee as well as heads of respective units. Such reports sufficiently inform about the total exposure to different risk types, regions and countries, industries and customer groups, customer and other concentrations, market risk measurements, liquidity ratios, departure from established limits, etc. Reports are prepared and provided on a daily, weekly, monthly or quarterly basis, but as well upon request.

The most important credit risk reports contain information on the development of volumes in each of the business areas, the quality of the portfolio by rating grades, movements of different risk indicators, accepted collateral values and risk provisions levels, as well as detailed risk-relevant information on customers at risk of default or already defaulted. The reports serve as a basis for the reviews of the credit policy for the business areas as well as their business and risk strategy.

Reporting on market risks comprises measurement of the market risk in the trading book based on Value at Risk (VaR) and Price Value Basis Point (PVBP) measurements. Additionally, external regulatory reporting on market risk, to which the Bank can be exposed to in respect of its banking book and trading book positions, covers balance of net open currency position.

Operational risk reports cover development and analysis of different operating risk events and key risk indicators.

The most important reports on liquidity risk encompass reports on liquidity indicator, daily dinar and foreign exchange liquidity, the five-daily liquidity as well as Liquidity Coverage Ratio (LCR) and Net Stable Funding Ratio (NSFR) ratios as required by Basel III standard.

The Bank calculates and reports the interest rate risk separately by each important currency (currency exposure more than 5% of the balance sheet), in particular EUR and RSD. Analysis is done on monthly or quarterly basis, based on the type of the interest rate risk analysed. Furthermore, report on market overview is also prepared monthly for ALCO meetings.

In addition to the above said, the Bank quarterly presents comprehensive report on risks to the Management Board that includes all relevant information needed to estimate the risks the Bank is exposed to.

Additional reports on risk management are prepared to ensure that all business units have access to comprehensive, necessary and updated information.

### 2.4. RISK MITIGATION

In the course of a lending transaction, the Bank expects the debt repayment primarily through the future cash flow that is generated by the debtor. In order to supplement this debt repayment and to minimize any loss from a potential default of the debtor the Bank takes collateral security. The Bank takes as much collateral security as possible, with collaterals that can be easily and quickly realized being advantageous. The possibility of taking collateral is dependent on the actual market situation and business competition. Efficiency in credit risk mitigation technique is measured and managed by monitoring time period needed for collateral realization and deviation of collateral realized values from expected values of realisation.

All acceptable types of collateral, as well as regulation of valuation and management of the same, are detailed in an exhaustive Collateral catalogue. The items of collateral acceptable in secured lending according to this catalogue are constituted (i.e. become effective as collateral) in compliance with the applicable national laws. This involves valuing and categorising the items of collateral and using them to mitigate credit risk according to their category.

# 3. REGULATORY CAPITAL

### 3.1. REGULATORY CAPITAL STRUCTURE

The Bank complied with the articles of the National Bank of Serbia Decision on Capital Adequacy of Banks (Official Gazette of the Republic of Serbia No. 46/2011, 6/2013) on calculating the regulatory capital.

Total eligible regulatory capital is the sum total of Core capital and Supplementary capital minus deductions.

As at 31 December 2013, the Bank has the following regulatory capital structure:

	RSD '000
Qualifying capital	
Nominal value of paid-in shares, other than cumulative preference shares	10,040,000
Share premium	124,475
Reserves from profit	2,534,108
Retained earnings from previous years	573,970
Intangibles	-411,865
Regulatory compliance values - Unrealized losses on securities available for sale	-1,470
Regulatory compliance values - Required reserves for estimated losses on balance sheet assets and off-balance sheet items	-1,545,544
Core capital	11,313,675
Subordinated liabilities	2,096,968
Part of positive revaluation reserves	33,890
Supplementary capital	2,130,858
Required reserves for estimated losses on balance sheet assets and off-balance sheet items	-1,545,544
Excess qualified investment in non-financial sector entities	-3,866
Deductions from capital	-1,549,410
Of which: reduction of Core capital	774,705
Of which: reduction of Supplementary capital	774,705
Total core capital	10,538,970
Total supplementary capital	1,356,153
Total capital	11,895,123
Table 1. Decodebase and table to the control of the	

Table 1: Regulatory capital structure

The Bank manages its capital structure and performs adjustments in accordance with economic conditions and risks related to the Bank's operations.

Additionally, in the course of its operations, the Bank ensures that its capital never declines below the RSD equivalent value of EUR 10,000,000 at the official NBS middle exchange rate, as proscribed by the Law on Banks.

### 3.2. KEY FEATURES OF REGULATORY CAPITAL ITEMS

### 3.2.1. CORE CAPITAL

### **Share capital**

As at 31 December 2013, nominal value of paid-in shares, other than cumulative preference shares, i.e. subscribed and paid-in share capital, of the Bank comprised 1,004,000 ordinary shares with a nominal value of RSD 10,000 each. During 2013<sup>th</sup> there were no changes in share capital.

The major shareholder of the Bank is Erste Group Bank Ceps Holding GmbH, Vienna holding 74 % of the shares as at 31 December 2013.

The shareholder structure of the Bank as at 31 December 2013 is as follows:

Shareholder	Number of shares	In %
Erste Group Bank Ceps Holding GmbH, Beč	742,960	74.0
Steiermärkische Bank und Sparkassen AG, Grac	261,040	26.0
Total	1,004,000	100.0

Table 2: Shareholders structure

### **Share premium**

Share premium amounting to RSD 124,475 thousand as at 31 December 2013 resulted from a positive difference between the selling price of the shares and their nominal value.

### **Reserves from profit**

Reserves from profit amount to RSD 2,534,108 thousand as at 31 December 2013. Reserves from profit amounted to RSD 1,843,171 thousand as at 31 December 2012 and were increased by RSD 690,937 thousand from the 2012 retained earnings, in accordance with the General Assembly's Decision dated 29 March 2013.

### Other

Retained earnings from previous years of RSD 573,970 thousand refer to actuary gain determined in accordance with IAS 19.

Intangible assets as at 31 December 2013 were RSD 411,865 thousand.

Unrealized losses on securities available for sale amount to RSD 1,470 thousand.

During the year 2013<sup>th</sup>, the Bank treated 50% of required reserves for estimated losses as deductible item from core capital, therefore as at 31 December 2013 amount of RSD 1,545,544 thousand from required reserves was deducted from core capital. See also chapter 3.2.3.

### 3.2.2. SUPPLEMENTARY CAPITAL

### **Subordinated liabilities**

Outstanding balance of subordinated liabilities, fulfilling criteria for inclusion in Supplementary capital, is as follows as at 31 December 2013:

					RSD '000
Creditor	Loan Currency	Initially Contracted amount in currency	Maturity date	In %	Balance as at 31 December 2012
EGB Ceps	EUR	10,800,000	20 Dec 2015	29.1	471,670
Erste GCIB	EUR	15,000,000	27 Dec 2021	70.9	1,719,632
Total		25,800,000		100.0	2,191,302

Table 3: Subordinated liabilities composition

Subordinated long-term loan granted by Erste Group Bank Ceps Holding GmbH, Vienna was granted on 20 December 2005 in the amount of EUR 10,800,000 for the period of 10 years with a 5 year grace period and interest rate equal to quarterly EURIBOR increased by 2.4% per annum. In accordance with the loan agreement, loan principal is repayable in 21 quarterly repayments and the first repayment is due upon the end of the grace period.

Subordinated long-term loan granted by Erste GCIB Finance, Amsterdam was granted on 27 December 2011 in the amount of EUR 15,000,000 for the period of 10 years with a 5 year grace period and interest rate equal to quarterly EURIBOR increased by 3.65% per annum. In accordance with the loan agreement, loan principal is repayable in 21 quarterly repayments and the first repayment is due upon the end of the grace period.

In accordance with NBS Decision on Capital Adequacy by Banks, subordinated term debt included in Supplementary capital is, during the last five years to maturity, reduced by a cumulative discount factor of 20% per year and consequently shall not be included in Supplementary capital in the last year of maturity. Accordingly, contracted amount of subordinated long-term loan granted by Erste Group Bank Ceps Holding GmbH, Vienna has been reduced by a respective discount factor.

The table below summarises amount of subordinated liabilities included in Supplementary capital as at 31 December 2013:

	RSD '000
Creditor	Supplementary capital
Erste Group Bank Ceps Holding GmbH, Beč	377,336
Erste GCIB Finance, Amsterdam	1,719,632
Total	2,096,968

Table 4: Supplementary capital composition

### **Part of revaluation reserves**

Revaluation reserves refer to securities quoted on the stock exchange and which are once a month aligned to the current market price. Based on these alignments, the Bank has realised positive revaluation reserves of RSD 33,890 thousand (after tax deduction).

### 3.2.3 DEDUCTIONS FROM CAPITAL

Items deductible from capital are deducted from Core and Supplementary capital in the manner that 50% is deducted from Core capital and 50% from Supplementary capital.

As at 31 December 2013 the following items were items deductible from capital:

### **Required reserves for estimated losses**

Required reserves for estimated losses on balance sheet assets and off-balance sheet items equals the sum of positive differences, determined at each borrower level, between the reserve for estimated losses calculated in accordance with the NBS Decision on the Classification of Bank Balance Sheet Assets and Off-balance Sheet Items (Official Gazette of the Republic of Serbia No. 94/2011, 57/2012, 123/2012, 43/2013 and 113/2013) and the established amount of allowances for impairment of balance sheet assets and off-balance sheet loss provisions calculated in accordance with IFRS/ IAS.

As at 31 December 2013 required reserves for estimated losses on balance sheet assets and off-balance sheet items amounted to RSD 3,091,087 thousand. During 2013<sup>th</sup>, the Bank treated 50% of required reserves for estimated losses as deductible item from capital, therefore as at 31 December 2013 amount of RSD 1,545,544 thousand from required reserves was deducted from capital.

### **Excess qualified investment**

Excess qualified investment in non-financial sector entities amount to RSD 3,866 thousand as at 31 December 2013 and were used as deductible item from capital.

# 4. CAPITAL ADEQUACY

# 4.1. REGULATORY CAPITAL REQUIREMENTS

Under Decision on Capital Adequacy of Banks, the full amount of the capital requirements is calculated and its relationship to the regulatory capital is established. The eligible regulatory capital must be available at least in the amount of the sum of minimum capital requirements.

The minimum capital requirements pursuant to the Decision on Capital Adequacy of Banks, i.e. capital adequacy ratio, of 12% were complied with at all times during the reporting period. As at 31 December 2013 capital adequacy ratio amounted to 20.95%.

Based on the business activities of the Bank, the following minimum capital requirements result for credit risk, market risks (i.e. price risk on debt securities and foreign exchange risk) and operational risk.

### 4.1.1. CREDIT RISK

Capital requirement for credit risk is calculated by multiplying total credit risk-weighted assets by 12%. The Bank calculates credit risk-weighted assets by applying standardized approach for all asset classes.

For risk weighted assets calculation purposes, Bank does not use external ratings by external rating agencies. For asset class Central Government and Central bank, Bank uses country risk classifications of the Participants to the Arrangement on Officially Supported Export Credits (OECD ratings).

Additionally, in compliance with Decision on Capital Adequacy, risk weights for exposures to Institutions are derived from remaining maturity and credit quality step of the domain country based on OECD rating.

Table below provides overview of OECD ratings to credit quality steps relevant for asset class Central Government and Central Bank:

OECD Country risk classification	0	1	2	3	4	5	6	7
Minimum export insurance premium assigned to the								
credit assessment	0	1	2	3	4	5	6	7
Risk Weight bands	0%	0%	20%	50%	100%	100%	100%	150%

Table 5: Assignments of risk weight to credit assessments from an export credit agency

Exceptionally, for exposures towards Republic of Serbia and National bank of Serbia, Bank uses preferential risk weight of 0% as prescribed by Decision on Capital Adequacy of Banks.

Further information on the topic is available in Chapter 6.

The table below shows an overview of total minimum capital requirements to cover credit risk as at 31 December 2013. The credit risk capital requirement is broken down into exposure classes as follows:

	RSD '000
	Capital
Exposure class	requirement
Central Governments and Central Banks	-
Local Governments and Local Authorities	19,420
Public Administrative Bodies	1,384
Institutions	286,803
Corporates	3,326,304
Retail	1,648,653
Exposures secured by residential property	461,371
Past due exposures	107,967
Shares in Investment Funds	-
Other items	116,141
Total	5,968,042

Table 6: Capital requirements for credit risk per exposure class

### 4.1.2. MARKET RISKS

As at 31 December 2013, the Bank calculated regulatory minimum capital requirements to cover price risk on debt securities.

Regulatory minimum capital requirements for price risk on debt securities is calculated as sum of capital requirements for general and specific price risk on these securities, multiplied by 1.5. Capital requirement for general price risk on debt securities is calculated by applying duration method. As at 31 December 2012, the Bank was not exposed to specific price risk on debt securities.

Capital requirement for price risk on debt securities amounts to RSD 43,797 thousands as at 31 December 2013.

Considering that the sum of total net open foreign currency position and absolute value of net open position in gold was less than 2% of Bank's capital on 31 December 2013 (it was 0.61%), the Bank did not calculate capital requirement for foreign exchange risk.

### **4.1.3. OPERATIONAL RISK**

For the calculation of regulatory capital requirements for operational risk the Bank uses Basic Indicator Approach (BIA).

As at 31 December 2013, capital requirement for operational risk totalled RSD 800,205 thousand.

# 5. INTERNAL CAPITAL ADEQUACY ASSESSMENT PROCESS

### 5.1. THE PROCESS

The Internal Capital Adequacy Assessment Process (ICAAP) is established with the aim to assess and maintain on an on-going basis the internal capital that the Bank considers adequate to cover the nature and level of risks to which it is exposed. ICAAP essentially serves to assess as to whether the Bank can "afford" its acquired risks by comparing its risk portfolio across all material risk types with its internal capital (coverage potentials).

The ICAAP is designed to support the Bank's proactive and consistent risk management at all times, assuring adequate capital capacity reflecting the nature and level of the Bank's risk profile. The ICAAP defines the rules for quantification of all material risks to which the Bank is or can be exposed, irrespective of the regulatory requirements proscribed by the NBS Decision on Capital Adequacy of Banks.

Further on, ICAAP is designed to reflect capital strategy and assure proactive management of capital requirements. By means of planning internal capital, the Bank assures maintenance of such a level and structure of capital which can support expected portfolio growth, future sources of funds and their utilization, dividend policy as well as all changes in regulatory capital requirements.

ICAAP as a management tool predominantly aims for:

- Analysis, monitoring and reporting of the Bank's risk profile;
- Analysis, monitoring and reporting of the Bank's internal capital adequacy/coverage potentials in relation to its risk profile;
- Forecasting of trends with regards to the Bank's risk profile as well as its capital.

Internal capital adequacy assessment process encompasses the following phases:

- identification of materially significant risks;
- calculation of the amount of necessary internal capital for individual risks, i.e. economic capital;
- · determination of the total internal capital;
- comparison of:
  - the amount of capital calculated in accordance with the Decision on Capital Adequacy of Banks (i.e. regulatory capital) and the amount of available internal capital;
  - the amount of minimum capital requirement in accordance with the Decision on Capital Adequacy of Banks and internal capital requirement;
  - total minimum capital requirement and total internal capital requirement (economic capital).

Within ICAAP, an internally designed model, Risk-bearing Capacity Calculation (RCC), has been developed in order to define the internal capital adequacy as required by the ICAAP. RCC measures the risks the Bank is exposed to and compares them to the internal capital the Bank has for covering such risks. It essentially determines whether the Bank can "afford" its acquired risks by comparing Bank's economic capital with its internal capital.

For the purpose of ICAAP, decision was made to solely consider risks defined as material within RCC via economic capital allocation. More specifically, economic capital is the amount of capital needed to cover all the Bank's material risks calculated by using economical measures, described further in this chapter, without consideration of any diversification effects. This economic capital is then compared to internal capital (coverage potentials). Internal capital differs from regulatory capital calculated in accordance with NBS Decision on Capital Adequacy of Banks.

In general, the entire coverage potential has to be higher than or equal to the Bank's overall risk exposure. The Bank has defined a Maximum Risk Exposure Limit (MREL) as one of different measures to express and monitor the Bank's risk appetite. The MREL amounts to entire coverage potential reduced for the stress tests results, which portray effects of potential severe but plausible future

adverse events or deteriorations of the economic environment which could have a negative effect on the Bank.

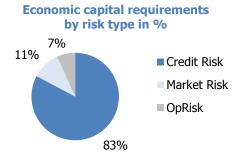
Additionally, a "traffic light" system has been deployed in order to signal the Bank's management the extent to which the MREL of the Bank is utilized and to ensure sufficient time to respond to changes by taking relevant measures on either the risk level or the capital side.

Within the internal capital adequacy assessment process the Bank considers local regulatory requirements, namely the National Bank of Serbia Decision on Risk Management by Banks (Official

Gazette of the Republic of Serbia No. 45/2011, 94/2011, 119/2012,123/2012, 23/2013-oth.decision, 43/2013 and 93/2013). At the same time the Bank complies with the Group standards<sup>1</sup>.

Bank's ICAAP framework has been introduced in 2011.

The illustration on the right shows the distribution of risk types which form the economic capital requirements of the Bank as at 31 December 2013.



The results of the risk-bearing capacity calculation are presented in the table below:

Risk-bearing capacity calculation	
as at 31 December 2013	RSD '000
Economic capital requirement	9,372,558
Coverage potential	15,973,668
Excess	6,601,110

Table 7: Risk-bearing capacity calculation

### **5.2. MATERIAL RISKS**

Materiality of risks was assessed on the basis of clear quantitative and qualitative factors defined for each risk type, while at the same time complexity of Bank's operations as well as particularities of surroundings where it performs its operations were taken into consideration.

By the risk materiality assessment process the Bank sees the following risk types as materially significant:

- credit risk (including residual risk)
- market risk in the trading book
- interest rate risk in the banking book
- FX risk in the banking book
- operational risk
- liquidity risk
- concentration risk
- macroeconomic risk
- reputational risk
- strategic risk

The Bank calculates internal capital requirements for credit risk, market risk in the trading book, interest rate risk in the banking book, FX risk in the banking book and operational risk. Concerning the liquidity risk, concentration, macroeconomic, strategic and reputational risk, the Bank does not calculate internal capital requirement directly, but encompasses them by computing Stress test loss.

<sup>&</sup>lt;sup>1</sup> Group standards are in alignment with Basel 2 under Pillar 2 (Supervisory Review Process as stipulated in the EU directive no. 2006/48/EG).

The internal capital requirement for credit risk is computed, by using adjusted standardised approach and equals to 12% of the credit Risk Weighted Assets (RWA) calculated for Erste Group Pillar 1 purposes which are in accordance with National Bank of Austria regulation (*Solvency Regulation, Austrian Federal Law Gazette II No 374/2006 and 253/2007*)<sup>2</sup>. Current computation of credit riskweighted assets of the Bank for the purposes of reporting to the NBS is based on adjusted standardized approach.

For Market Risk within the trading book, the Bank uses a VaR approach based on daily historical simulation for the calculation of daily VaR at 99% confidence level, which is then scaled up to 1-year horizon and a confidence level of 99.9%.

Under ICAAP, for interest rate risk within the banking book the Bank applies historical simulation approach based on actual balance sheet positions of the Bank and the one year changes of interest rates in the preceding five years. The actual balance sheet positions (assets and liabilities) are revalued using the scenario corresponding to the selected worst year on year changes of interest rates. The revaluation is performed via shifting up and down the interest rates by the same amount. Value of the market risk is, therefore, seen as the difference between larger decrease in the value of equity based on one of the two scenarios and equity value at current interest rate levels.

For ICAAP purposes, the Bank computes the internal capital requirement for FX risk in the banking book regardless the Bank's total net open FX position is greater or lower than 2% of its capital. The Bank applies 12% on the total net open FX position to calculate internal capital requirement for the FX risk in the banking book. Total long FX position is defined as the sum of all net long positions, where total short FX position is the sum of all net short positions. The greater between total long FX and the absolute value of total short FX position represents total net open FX position and the basis for the internal capital requirement computations.

For the purpose of assessment and measurement of operational risk and the calculation of its internal capital requirement, the Bank used to apply Basic Indicator Approach (BIA) while started applying Advanced Measurement Approach (AMA) in September 2012 under Pillar 2. Under this approach the Bank is allowed to develop its own statistical model to quantify required capital for operational risk. AMA framework includes set of operational risk management techniques proposed under Basel II capital adequacy rules for banking institutions.

The Bank uses Loss Distribution Approach for computing VaR in modelling Operational Risk capital requirement within AMA. The modelling of the aggregate loss distribution is done in two steps. First the single distributions of loss frequency and loss severity are computed and then these distributions are compounded to the loss distribution by applying Monte Carlo technique. The VaR for Operational Risk is generated for four modelling categories, which are based on the Basel II event type categories.

-

<sup>&</sup>lt;sup>2</sup> The single largest difference between NBS and Austrian capital adequacy regulation refers to risk weight assigned to exposures within the asset class Central governments and Central banks denominated in currency other than RSD – according to NBS regulation risk weight of 0% assigned while risk weight of 100% assigned for Austrian reporting purposes.

# 6. RISK TYPES

### 6.1. CREDIT RISK

### **6.1.1. RISK MANAGEMENT AND CONTROL**

Credit risk is the risk that credit beneficiaries will not be able to fulfil contractual obligations to the Bank, whether fully or partially, that will generate the loss for the Bank.

Bank's business policy requires and foresees the maximum protection from credit risk, being the most important risk in the banking industry. By its internal by-laws, policies and procedures for credit risk management, the Bank has implemented an adequate credit risk management system so as to reduce the credit risk to an acceptable level.

The Bank's credit risk is caused by the debtor's creditworthiness, timeliness in the performance of obligations to the Bank as well as quality of the collateral.

The Bank controls and manages credit risk primarily by establishing rigorous processes for determining minimal creditworthiness of the debtor during the credit approval process and required collateralization level, as well as by regular monitoring of the same during the credit contract life, by defining different loan approval levels (reflecting skills and experience of employees), by establishing limits, which define the level of risk the Bank is willing to accept on the individual client, geographical area and industry basis as well as through monitoring of the said limits.

### **6.1.2. PAST DUE DEFINITION**

The on-going Bank's assessment of the customers' ability to meet their obligations is carried out using a large number of risk management instruments. This includes consistent monitoring of the portfolio past due loans.

Trigger event for a potential impairment, i.e. loss event, implies that the Bank will be unable to collect all amounts according to the contractual terms (principal amount, interest and/or fees). A customer is deemed defaulted if a trigger event in accordance with the following definition has occurred:

- the obligor is more than 90 days overdue on any material credit obligation, or
- the obligor is considered unlikely to repay its credit obligations in full as he is experiencing financial difficulties, probability exists that he will enter financial restructuring, insolvency or liquidation procedures as well as other events that permit the conclusion that the obligor is unlikely to pay its credit obligations in full to the Bank.

The payments are considered past due as of the date when:

- the borrower did not make a contractually agreed payment in due time, and the amount concerned is significant<sup>3</sup>;
- the borrower exceeded approved credit limit;
- the borrower drew down an unauthorized credit facility.

### 6.1.3. PROVISIONS OF BANK BALANCE SHEET ASSETS AND OFF-BALANCE SHEET ITEMS

Credit risk inherent in the banking business is taken into account through assessment of an allowance for impairment for lending recognised on the balance sheet and through provisions for off-balance sheet transaction (hereinafter: loan loss provisioning), in accordance with International Accounting Standards (IAS)/ International Financial Reporting Standards (IFRS).

Bank's loan loss provisioning includes Specific provision (individual assessment) and General provision (collective impairment).

<sup>&</sup>lt;sup>3</sup> Amount in delay is considered significant if larger than 1% of the loan exposure or RSD 10,000 (RSD 1,000 for Retail clients), depending which amount is higher.

Specific provision is assigned when there is objective evidence that credit exposure is impaired. A loan is considered to be defaulted i.e. impaired when it is likely that the Bank will be unable to collect all amounts according to the contractual terms. Precisely, the Bank determines through the impairment test whether there is objective evidence of impairment of receivables from clients.

Portfolio provision is applied for exposures that show no objective evidence of impairment and have not been individually assessed for impairment. Portfolio provision calculation is used for incurred but not detected losses i.e. an actual impairment has not yet occurred. These placements are impaired even though there is no current evidence that credit risk losses have occurred, as experience indicates that some of them will become impaired over time. Portfolio provision is allocated to cover potential losses that are not captured in the provisions for individually assessed exposures and reflects incurred but not yet reported losses of the portfolio with no impairment signals.

The following loan loss provisioning process is implemented in the Bank:

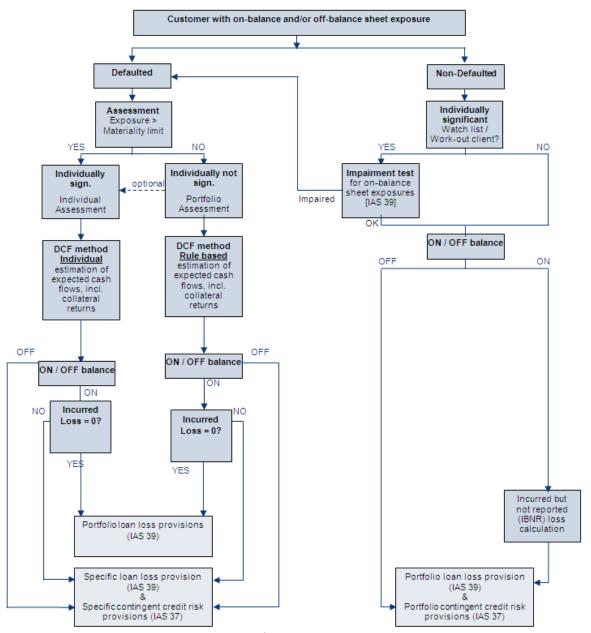


Figure 2: Loan loss provisioning process

### **Specific Provision assessment**

For each impaired individually significant exposure specific loan loss calculation method based on discounted cash flow model must be applied.

Impaired exposures with a single customer that, in the aggregate, equal or exceed a materiality threshold of RSD 5,000 thousand are assumed to be individually significant. Individually significant impaired exposures are assessed individually using discounted cash flow method, where expected cash flows from redemption and foreclosure of collateral are estimated by the responsible Workout manager. The provisioning requirement is the difference between the book value of impaired exposure and the present value of expected cash flow from recoveries, discounted at the original effective interest rate for that exposure.

For non-significant impaired exposures, the calculation is done on a rule basis. Customers belonging to this sub-portfolio are divided by criteria of regularity of settling liabilities.

### **General Provision assessment**

Loans which show no objective evidence of impairment are grouped on the grounds of similar credit risk characteristics and their respective provisioning is calculated depending on group characteristics and level of credit risk.

Portfolio loan loss provisioning is based on the Basel II expected loss calculation for credit risk, which represents quantification of expected loss in one year period, multiplied with the loss identification period (LIP).

Expected loss is the average amount of credit losses for the period of one year that the Bank should expect to incur per single receivable. It measures the anticipated average loss from a portfolio over a relevant time horizon and is calculated by multiplying following three credit risk parameters in accordance with Basel II standards:

- Probability of default (PD),
- Exposure at Default (EaD), and
- Loss given default (LGD)

The Bank reviews the methodology and assumptions used for estimating future cash flows in order to reduce any differences between loss estimates and actual loss experience through Back-Testing analysis that is conducted on yearly basis.

# **6.1.4. QUANTITATIVE DISLOSURES**

Bank's gross credit risk exposure after accounting write-offs and excluding adjustment for credit risk mitigation techniques, per exposure class as at 31 December 2013 is shown in the table below:

			RSD '000
Exposure class	Exposure	In %	Average Exposure
Central Governments and Central Banks	27,422,594	20.2	23,971,138
Local Governments and Local Authorities	387,589	0.3	377,547
Public Administrative Bodies	11,789	0.0	20,321
Institutions	18,036,726	13.3	16,802,809
Corporates	40,549,196	29.8	41,293,619
Retail	23,720,420	17.5	23,584,061
Exposures secured by residential property	8,314,401	6.1	7,986,460
Past due exposures	10,486,166	7.7	10,009,136
Shares in Investment Funds	0	0.0	10,725
Other items	6,961,952	5.1	7,362,813
Total	135,890,832	100.0	131,418,628

Table 8: Gross exposure after accounting write-offs by exposure class

The following table gives comprehensive breakdown of Gross credit risk exposure into groups of materially significant geographical areas.

RSD '000 **Geographic area Exposure class Exposure** Serbia 27,422,594 Central Governments and Central Banks Local Governments and Local Authorities 387,589 Public Administrative Bodies 11,789 Institutions 4,555,007 Corporates 40,480,503 Retail 23,608,650 Exposures secured by residential property 8,289,313 Past due exposures 10,485,384 Shares in Investment Funds 0 Other items 6,961,952 Total 122,202,782 Austria Institutions 8,285,376 1,179 Corporates Retail 315 Total 8,286,869 Other Countries Institutions 5,196,343 Corporates 67,514 Retail 111,454 Exposures secured by residential property 25,088 Past due exposures 782 Total 5,401,182 135,890,832

Table 9: Gross Exposure by materially significant geographic areas and per exposure class

Table below gives a breakdown of Gross credit risk exposure by sector<sup>4</sup> and exposure class with focus on exposures for which loan loss provision was made , as well as a comprehensive preview of Past due Exposure class as at 31 December 2013.

RSD '000 **Exposures with Loan loss Exposure class** Sector **Exposure** loan loss provisions provisions Central Governments and Domestic fin. institutions 19,599,108 0 0 Central Banks 0 0 Public sector 7,823,486 Total 27,422,594 0 0 Local Governments and Public sector 387,589 377,360 4,170 Local Authorities Total 387,589 377,360 4,170 **Public Administrative** Public sector 11,789 256 11,789 **Bodies** 11,789 11,789 256 **Total** Institutions Domestic fin. institutions 4,555,007 403,652 244 Foreign entities 13,481,719 11,425,074 37,209 Total 18,036,726 11,828,726 37,453 Corporates Domestic fin. institutions 891,638 738,528 29,249 174,847 Public companies 4,774,759 2,121 Other domestic companies 34,498,199 33,848,146 1,028,032 Entrepreneurs 127,828 127,828 3,282 Foreign entities 53,253 23,422 200 31,143 Agricultural producers 16,170 486 Other counterparties 172,376 167,711 147,324 35,096<u>,651</u> Total 40,549,196 1,210,694 Retail Public companies 6,716 6,716 67 Other domestic companies 2,629,663 2,526,382 61,883 Entrepreneurs 619,938 598,878 21,866 Private individuals 17,235,989 552,286 20,166,021 23,747 Foreign entities Agricultural producers 274,334 229,525 7,432 20,597,535 643,542 Total 23,720,420 Exposures secured by Domestic fin. institutions 732 732 15 residential property Other domestic companies 1,480,332 1,476,807 97,748 Entrepreneurs 87,667 87,667 2,029 Private individuals 6,702,329 6,689,005 67,146 Agricultural producers 43,341 984 38,665 8,314,401 8,292,877 167,921 **Total** Past due exposures Domestic fin. institutions 163,392 163,392 80,362 4,579,763 2,299,454 Other domestic companies 4,579,763 Entrepreneurs 231,303 100,680 231,288 Private individuals 1,084,558 1,998,637 1,997,368 Agricultural producers 256,064 256,058 124,324 Other counterparties 3,257,008 3,257,008 2,206,903 10,486,166 10,484,875 5,896,281 Other items Domestic fin. institutions 6,808,524 6,808,524 57,335 Other counterparties 153,428 3,650 139,635

Table 10: Gross Exposure by sector and exposure class with focus on exposures for which loan loss provision was made

6,961,952

135,890,832

6,948,160

93,637,973

60,986

8,021,302

Total

Total

<sup>4</sup> As defined in NBS instruction for collection and delivery of balances and account structure of loans, assets and liabilities of banks

Break down of Gross credit risk exposure into maturity buckets according to final loan maturity is shown below.

RSD '000

	<b>Exposure</b>		
<1	1-3	>3	
years	years	years	Total
21,204,511	5,556,967	661,116	27,422,594
36,901	46,717	303,971	387,589
11,789	-	-	11,789
17,478,635	3,091	555,000	18,036,726
17,762,905	7,501,903	15,284,389	40,549,196
6,408,615	4,596,834	12,714,971	23,720,420
443,775	494,865	7,375,761	8,314,401
7,626,099	1,449,184	1,410,883	10,486,166
-	-	-	-
6,878,231	31,162	52,558	6,961,952
77,851,460	19,680,724	38,358,649	135,890,832
	years 21,204,511 36,901 11,789 17,478,635 17,762,905 6,408,615 443,775 7,626,099 6,878,231	<1         1 - 3           years         years           21,204,511         5,556,967           36,901         46,717           11,789         -           17,478,635         3,091           17,762,905         7,501,903           6,408,615         4,596,834           443,775         494,865           7,626,099         1,449,184           -         -           6,878,231         31,162	<1         1-3         >3           years         years         years           21,204,511         5,556,967         661,116           36,901         46,717         303,971           11,789         -         -           17,478,635         3,091         555,000           17,762,905         7,501,903         15,284,389           6,408,615         4,596,834         12,714,971           443,775         494,865         7,375,761           7,626,099         1,449,184         1,410,883           -         -         -           6,878,231         31,162         52,558

Table 11: Gross Exposure according to remaining maturity and principal exposure class

The table below shows changes in the amount of balance sheet impairment and probable losses on off balance sheet assets (i.e. loan loss provisioning):

	RSD '0000
Loan Loss Provision	
Provisions as at 01 January 2013	6,929,334
Provisions allocation during the year	8,714,474
Provisions release during the year	-7,508,677
Provisions write off during the year	-76,148
Other	-37,681
Provisions as at 31 June 2013	8,021,302

Table 12: Loan loss provision movement

As at 31 December 2013, reserve for estimated losses and required reserve for estimated losses, calculated in accordance with National Bank of Serbia Decision on Classification of Bank Balance Sheet Assets and Off-balance Sheet Items, per counterparty type, amounted to<sup>5</sup>:

						RSD '000	
		Category of classification					
Counterparty type	Α	D	V	G	D	Total	
Domestic fin. institutions	794,817	152,577	8,939	772	134,094	1,091,199	
Public companies	4,715,638	5,828	0	60,009	0	4,781,475	
Other companies	24,037,690	7,482,242	3,525,648	3,809,569	2,869,370	41,724,519	
Entrepreneurs	660,671	86,120	40,973	60,716	155,671	1,004,151	
Public sector	327,305	72,073	0	0	0	399,378	
Private individuals	22,323,558	655,766	105,854	496,999	1,742,149	25,324,326	
Foreign entities	6,350,130	53,344	0	0	32,073	6,435,547	
Agricultural producers	259,493	6,425	9,570	18,879	169,821	464,188	
Other counterparties	168,962	44,730	16,744	2,926	2,694,235	2,927,597	
Total	59,638,264	8,559,105	3,707,728	4,449,870	7,797,413	84,152,380	
Reserve for estimated losses	0	158,221	520,657	1,301,975	7,791,255	9,772,108	
Provisions	836,889	215,212	143,242	1,161,361	5,664,596	8,021,300	
Required reserve for estimated losses	0	20,481	408,311	535,087	2,127,208	3,091,087	

Table 13: Exposure by NBS classification category

<sup>&</sup>lt;sup>5</sup> Exposure presented in the table differs from Exposure for RWA purposes as different principles are applied for the calculation of classification basis calculated in accordance with NBS Decision on classification of balance sheet assets and off-balance sheet items and RWA basis calculated in accordance with NBS Decision on capital adequacy by banks.

### **6.1.5. CREDIT RISK MITIGATION**

### **Management and Control**

In process of credit risk capital requirements calculation, whether a type of collateral is admitted for credit risk mitigation is decided by the Strategic Risk Management Department after determining whether applicable legal requirement prescribed by NBS Decision on Capital Adequacy of Banks are met. The items of collateral acceptable as credit hedging instruments are detailed in a separate Bank's internal policy defining eligible credit hedging instruments as well as criteria for recognition of an instrument as a credit risk mitigation technique.

### **Main Types of Material Credit Hedging**

The Bank predominantly uses cash and cash equivalents deposited with the Bank as a means of material credit protection.

Currently, the Bank does not use balance sheet and off-balance sheet netting for credit risk mitigation.

# **Main Types of Guarantors and Credit Derivative Counterparties**

Guarantees used as immaterial credit hedge are provided by:

• central governments – only Republic of Serbia guarantee eligible as at 31 December 2013. Preferential risk weight of 0% as prescribed by Decision on Capital Adequacy of Banks was applied;

commercial banks of sufficient credit quality – for claims with remaining maturity of three months or more secured by bank guarantee, the Bank assigns a risk weight that is assigned to the claims on the sovereign of the country of guarantor bank's incorporation or risk weight of 50%, depending which is less favourable.

Credit derivatives business has not been transacted during the reporting period.

### **Exposure Secured by Residential Property Exposure class**

Residential real estate, i.e. buildings and land that are or will be occupied by the borrower or that are or will be rented, is acceptable as means of collateral when all applicable criteria proscribed by NBS Decision on Capital Adequacy of Banks are met. However, fulfilment of required criteria is treated as a means for of classification of a given exposure into separate Exposure class with corresponding favourable risk weight rather than application of credit risk mitigation technique.

### **Quantitative Disclosures**

The table below presents net exposure before and after the use of credit protection, i.e. adjustment for effects of CRM techniques, for every level of credit quality.

			RSD '000
	Risk weight	Net	Exposure
Exposure class	band	<b>Exposure</b>	after CRM
Central Governments and Central Banks	0%	27,422,594	32,008,278
Local Governments and Local Authorities	50%	382,865	382,865
Public Administrative Bodies	100%	11,533	11,533
Institutions	20%	15,838,945	15,842,924
	50%	558,505	558,505
	100%	1,601,172	1,601,172
Corporates	100%	38,229,019	32,824,670
Exposures secured by residential property	75%	22,279,232	22,059,131
	100%	308,018	307,937
Past due exposures	35%	6,325,525	6,325,525
	100%	1,653,194	1,653,194
Dospela nenaplaćena potraživanja	100%	3,212,283	3,211,718
	150%	58,078	58,078
Other items	0%	5,429,712	5,429,712
	100%	1,467,769	1,456,190
Ukupno		124,778,444	123,731,433

Table 14: Net exposure before and after CRM per exposure class

Concentration risk from credit risk mitigation techniques is understood as the risk of a detrimental correlation that may arise from the use of these techniques. This may affect a single customer, but also a portfolio defined by region, industry or type of collateral. Correlation risk is monitored and identified in the course of portfolio monitoring through analysis of various customer segments per collateral type.

Gross exposure per exposure class is secured by the following amount of collateral type recognised as credit risk mitigation as at 31 December 2013:

			RSD '000
Exposure class	Net Exposure	Guarantees *	Cash deposit
Central Governments and Central Banks	27,422,594	-	-
Local Governments and Local Authorities	382,865	-	-
Public Administrative Bodies	11,533	-	-
Institutions	17,998,623	-	-
Shares in Investment Funds	-	-	-
Corporates	38,229,019	4,589,663	814,687
Retail	22,587,250	-	220,181
Exposures secured by residential property	7,978,719	-	-
Past due exposures	3,270,361	-	565
Other items	6,897,481	_	11,579
Ukupno	124,778,444	4,589,663	1,047,012

Table 15: Net exposure and CRM by type of CRM instrument

<sup>\*</sup> CRM acceptable guarantees refer to State provided guarantees and to lesser extent bank guarantee, resulting into substitution of exposure between Asset classes Corporates on one hand and Central Governments and Central Banks/Institutions on the other.

### 6.2. COUNTER PARTY RISK

Counterparty risk is the risk that the counterparty will not fulfil its contractual obligations before the final settlement of financial obligations of the transaction.

The Bank carries out transactions in trading and banking book, which fall under the counterparty risk while doing business of

- financial derivatives
- repo and reverse-repo transactions.

Good management framework and control of the trading book risks as well as properly established system of internal exposure limits (toward single client and/or the type of product) provides the basis for this type of risk to be considered materially insignificant in terms of internal risk measurement.

For the purpose of calculating exposure base for positions that are subject to the calculation of capital requirements for counterparty credit risk the Bank uses:

- current exposure method for financial derivatives
- comprehensive method for calculating the adjusted value of the transaction and the collateral in case of repo and reverse-repo transactions.

As at 31 December 2013 the Bank's exposure to counterparty credit risk resulted from repo transactions:

	RSD '000
Exposure to counter party risk per transaction type	Exposure amount
repo transactions	7,501,560
Total	7,501,560

Table 16: Exposure to counter party risk

Specifically for repo transactions booked by the Bank on 31 December 2013, the other party is the National Bank of Serbia, whereas the collateral is not used as a means of eligible credit protection, as the issuer of the collateral is the same as the other party.

### **6.3. INTEREST RATE RISK**

### **6.3.1. RISK MANAGEMENT AND CONTROL**

Interest rate risk is the risk of a change in the market value of the balance sheet as a result of a certain change in the yield curve. Changes in the yield curve can have a negative effect on net interest income and the amounts of interest-sensitive income and expenses. These changes also affect the market value of assets, liabilities and off-balance sheet items, as the future payments (and thus also their present value) vary directly with changes in interest rates. As a consequence, an effective risk management process that keeps the impacts of interest rate changes on the Bank's balance sheet within appropriate limits is of fundamental importance to the security and creditworthiness of the Bank.

### **6.3.2. RISK MEASUREMENT**

In 2010, the Bank installed specific software that makes planning possible as well as the modelling of the interest rate risk behaviour and the influence on the balance sheet of the Bank. This methodology captures all significant sources of interest rate risk and calculates the effect of these sources changes on the balance sheet of the Bank. The data for the current portfolio, market data for the date of modelling in question and assumptions on future portfolio developments (volume, margins, etc.) are all entered into the software by the Bank's employees. The software measures both the effect on net interest income and the market value of the banking book positions.

The data in the system is organised according to an account/ product structure. The account structure corresponds to that of the IRS/ IFRS balance sheet, while the product structure represents the currency and the interest rate related behaviour of the products in this group.

### Key assumptions used in risk measurement

Products without fixed maturity are simulated based on maturity/ interest rate profile analyses done. For the modelling of interest rate risk behaviour of products with variable interest rates, the Bank currently uses the applicable internal transfer pricing (moving average of short- and long term interest rates) increased by a certain margin.

During the 2012<sup>th</sup>, in accordance with the recommendations of the Group, based on the analysis of historical data on the movement of deposits for the last 5 years, ALM adopted a new way of modelling this group of products. The analysis is based on the volatility of demand deposits in the ordinary course of business in the current volatile markets with split-up of private individuals and legal entities demand deposits. Based on the analysis conducted, the obtained results are applied to form a profile of the interest rate for this type of product.

It was concluded that the demand deposits of the private individuals are more stable than legal entities demand deposits in all considered currencies; there is a slight difference between the volatility of local currency deposits and foreign currency deposits of legal entities observed on a monthly basis. This way of modelling the deposits without agreed maturity is in effect from 01 January 2013.

Modelling of corporate loans in EUR currency with administrative rate, overdrafts and credit card loans is conducted in accordance with group standards.

The Bank's risk option (optionality risk) is based on assumptions of premature repayment of loans and premature withdrawal of deposits derived from historical data for legal entities and private individuals taking into consideration two main currencies, RSD and EUR.

### 6.4. REFERENCE ON OTHER AND NON-DISCLOSED ITEMS

Disclosures on credit risk required in situations when a bank applies IRB approach for capital requirements calculation, proscribed by NBS Decision on Disclosure of Data and Information by Banks, are not applicable as the Bank uses standardised approach for capital requirements calculation as at 31 December 2013.

Disclosures on market risks proscribed by NBS Decision on Disclosure of Data and Information by Banks are not applicable as the Bank does not apply internal models approach for the calculation of capital requirements for market risks. More details on market risks management are presented in Notes to financial statements for the year ended 31 December 2013, note 33.5.

Disclosures on operational risk proscribed by NBS Decision on Disclosure of Data and Information by Banks are not applicable as the Bank does not apply advanced approach for the calculation of capital requirements for operational risk. Details on the management of operational risk are presented in the Notes to financial statements for the year ended 31 December 2013, note 33.9.

Bank's equity investments in the banking book are mostly made prior to 2000<sup>th</sup> and priority purpose has not been achieving capital gains, profit sharing or strengthening the strategic position. Equity investments in other legal entities are either the result of collection of overdue loans or originated from the pre-acquisition period of Novosadska bank. Total assets are impaired and not materially significant.

Disclosures referring to exposures arising from equity investments in the banking book are presented in the Notes to financial statements for the year ended 31 December 2013, notes 2.6.5, 3c, 4,12, 13,19, 30.a, 33.2a, 33.4, 33.5.2 and 33.11.

Approved by the management of Erste Bank a.d., Novi Sad:

Holger Peter Stupar
Head of Risk Management
Division

Suzan Tanryar
Member of the Executive
Committee

Slavko Carić
President of the Executive
Committee

Jasna Terzić
Member of the Executive
Committee

Committee

Committee