

NATIONAL TREASURY

NO. 2899

23 December 2022

I, E Godongwana, Minister of Finance, acting in terms of the Division of Revenue Act, 2022 (Act No. 5 of 2022), as amended, hereby publish in the attached Schedule -

- (a) stopping of allocations in respect of conditional allocations made to Gauteng under the Act; and
- (b) the re-allocation of stopped conditional allocations to North West province.

For ease of reference only and where applicable, the attached Schedule reflects the allocations published in the Division of Revenue Amendment Act, 2022 as Column A, stopping of allocations and re-allocations in Column B and the total adjusted allocations in Column C.

This Government Notice is set out as follows:

- Part 1: Conditional allocations; and
- Part 2: Explanatory memorandum relating thereto.



ENOCH GODONGWANA
MINISTER OF FINANCE

Date: 08/12/2022

Explanatory Memorandum to the Provincial Allocations set out in the Schedule

This *Gazette* is published in terms of the Division of Revenue Act, 2022 (Act No. 5 of 2022), as amended, and provides information on adjustments to existing allocations to provinces in the 2022/23 financial year.

This is necessitated by the need to stop the flow of funds in terms of Section 18 of the Division of Revenue Act, 2022, as amended, and to re-allocate the stopped funds to provinces, as approved in terms of Section 19 of the Division of Revenue Act, 2022, as amended.

This *Gazette* therefore updates information that was published in the Division of Revenue Act, 2022.

This notice affects the Public Transport Operations Grant

- a) In compliance with Section 18 of the Division of Revenue Act, 2022, as amended, the national Department of Transport stops the transfer of funds to Gauteng (R97.4 million) for the Public Transport Operations Grant, following revised allocations by the national Department of Transport.
- b) In compliance with Section 19 of the Division of Revenue Act, 2022, as amended, the national Department of Transport re-allocates funds to North West (R97.4 million) for the Public Transport Operations Grant, following revised allocations by the national Department of Transport.

SCHEDULE 4, PART A
ALLOCATIONS TO PROVINCES TO SUPPLEMENT THE FUNDING OF PROGRAMMES OR FUNCTIONS FUNDED FROM PROVINCIAL BUDGETS

Vote	Name of allocation	Purpose	Type of allocation	Province	Column A	Column B	Column C
					2022/23 (Division of Revenue Act, 2022)	2022/23 Stopping and re- allocation after stopping of allocation	2022/23 Adjusted allocation
Transport (Vote 40)	(b) Public Transport Operations Grant	To provide supplementary funding towards public transport services provided by provincial departments of transport.	Conditional allocation	Eastern Cape	R'000	R'000	R'000
				Free State	282 593		
				Gauteng	312 430		
				KwaZulu-Natal	2 730 550		
				Limpopo	1 309 303		
				Mpumalanga	422 338		
				Northern Cape	711 126		
				North West	63 581		
				Western Cape	130 698		
				TOTAL	1 127 813		
			Less: Stopping of allocation in terms of Section 18 of the Division of Revenue Act, 2022 (Act No. 5 of 2022), as amended	Gauteng	7 090 432	- 97 475	
				TOTAL		- 97 475	
				North West		97 475	
				TOTAL			
				Revised allocations			
				Eastern Cape	282 593	97 475	282 593
				Free State	312 430		312 430
				Gauteng	2 730 550	- 97 475	2 633 075
				KwaZulu-Natal	1 309 303		1 309 303
				Limpopo	422 338		422 338
			Plus: Re-allocation after stopping of allocation in terms of Section 19 of the Division of Revenue Act, 2022 (Act No. 5 of 2022), as amended	Mpumalanga	711 126		711 126
				Northern Cape	63 581		63 581
				North West	130 698	97 475	228 173
				Western Cape	1 127 813		1 127 813
				TOTAL	7 090 432	-	7 090 432

NATIONAL TREASURY

NO. 2900

23 December 2022

AMENDMENTS TO REGULATIONS IN TERMS OF BANKS ACT, 1990

The Minister of Finance has, in terms of section 90 of the Banks Act, 1990 (Act No. 94 of 1990), amended the Regulations relating to Banks which were published in Government Notice No. R. 1029 of 12 December 2012, as amended by Government Notice No. R. 261 of 27 March 2015, Government Notice No. R. 309 of 10 April 2015, Government Notice No. R. 297 of 20 May 2016, Notice No. 724 of 18 December 2020, Notice No. 1427 of 31 December 2020, Notice No. R. 943 of 31 March 2022, and Notice No. 2561 of 30 September 2022, as set out in the Schedule.

SCHEDULE

Definitions

1. In this Schedule, "the Regulations" means the Regulations published under Government Notice No. R. 1029, in *Government Gazette* No. 35950 on 12 December 2012, as amended by-
 - (a) Government Notice No. R. 261, in *Government Gazette* No. 38616 of 27 March 2015;
 - (b) Government Notice No. R. 309, in *Government Gazette* No. 38682 of 10 April 2015;
 - (c) Government Notice No. R. 297, in *Government Gazette* No. 40002 of 20 May 2016;
 - (d) Notice No. 724, in *Government Gazette* No. 44003 of 18 December 2020;
 - (e) Notice No. 1427, in *Government Gazette* No. 44048 of 31 December 2020;
 - (f) Government Notice No. 943, in *Government Gazette* No. 46159 of 31 March 2022; and
 - (g) Notice No. 2561, in *Government Gazette* No. 46996 of 30 September 2022.

Substitution of form BA 330

2. The form set out in Annexure A to this notice is hereby substituted for form BA 330 immediately preceding regulation 30 of the Regulations.

Amendment of regulation 30 of the Regulations

3. Regulation 30 of the Regulations is hereby amended:
 - (a) by the substitution for the entire subregulation (2) of the following subregulation:
 - “(2) The purpose of the return is to determine, among others-
 - (a) the repricing gap between the reporting bank's assets and liabilities, before and after the impact of derivative instruments are taken into consideration;
 - (b) the expected cumulative impact on or sensitivity of the reporting bank's net interest income (NII) resulting from such percentage or basis points change in interest rates as may be specified in this regulation 30 or otherwise directed in writing by the Authority, in respect of the reporting bank's current, expected or forecasted balance sheet relating to banking

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activities;

- (c) the expected change in the net present value of the bank's assets, liabilities and off-balance sheet items, that is, the expected changes in the bank's economic value of equity, arising from specified interest rate shock and stress scenarios.

Note: For the purpose of these Regulations the risk of a change in the capital value of instruments resulting from a change in interest rates shall be deemed to constitute market risk (position risk), and shall be reported in the form BA 320.”;

- (b) by the substitution for the entire subregulation (3) of the following subregulation:

“(3) Unless specifically otherwise provided in this regulation 30 or directed in writing by the Authority-

- (a) the relevant required information in the form BA 330-
 - (i) shall be reported in Rand; and
 - (ii) shall in all relevant specified cases be completed on the basis of nominal or notional amounts, or fair value;
- (b) subject to the provisions of paragraph (a) above, all relevant amounts shall be calculated and reported on an accrual basis;
- (c) interest rate-sensitive asset means an asset as defined in subregulation (5)(c)(iii)(A);
- (d) all on-balance sheet items and all off-balance sheet items relating to banking activities, which items affect the exposure of the reporting bank to interest-rate risk, shall be included in the form BA 330, including-
 - (i) any interest-bearing asset or liability instrument or item;
 - (ii) any security or instrument valued on a discounted basis;
 - (iii) any zero coupon bond;
 - (iv) any variable rate instrument that may reprice on a daily or monthly basis, such as call deposits or prime linked instruments;
 - (v) any adjustable-rate instrument with a known reset date, such as a 3 month JIBAR linked product, which instrument-
 - (A) is linked to a regular base rate;
 - (B) shall be reported based on its next known reset date;
 - (vi) any discretionary or administered rate instrument, such as a savings or current account-
 - (A) the relevant rate of which instrument may or may not change in line with a regular base rate;
 - (B) the relevant rate of which instrument may be varied at the discretion of the reporting bank;
 - (C) which instrument shall be reported on the basis of the earliest adjustable interest-rate date;
 - (vii) any fixed rate instrument, such as a 12 month fixed deposit, which instrument has a predefined fixed interest rate until maturity and shall be reported on the basis of the instrument's relevant residual maturity;

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(viii) any relevant derivative instrument,

the relevant values of which are influenced by and sensitive to changes in interest rates, irrespective of whether or not-

(A) formal interest payments are/were made in respect of the said item or instrument;

(B) the said item or instrument is denominated in Rand or a foreign currency;

(e) any instrument not sensitive to or directly impacted by changes in interest rates, that is, instruments in respect of which the relevant values are indifferent to changes in interest rates, such as capital and reserve funds, shall, when relevant, be included in the form BA 330 as non-rate sensitive items;

(f) the relevant requirements specified in this regulation 30 related to interest rate risk in the banking book shall in accordance with the respective requirements specified in regulation 7 apply to all banks and controlling companies on a solo and consolidated basis.”;

(c) by the substitution for the entire subregulation (4) of the following subregulation:

“(4) Matters related to a bank’s governance and risk management framework

(a) As a minimum, based upon, among others, the relevant requirements specified in regulations 39 and 43, the board of directors of a bank-

(i) shall specify and appropriately oversee, among others-

(A) the bank’s risk appetite for exposure to interest rate risk in the banking book in terms of the risk to-

(i) economic value, that is, the change in the net present value of the banking book portion of the bank’s balance sheet under appropriate interest rate stress scenarios; and

(ii) earnings, that is, the impact of changes in interest rates on the bank’s future accrued or reported earnings, and hence, the future profitability of the bank’s banking book positions;

(B) appropriate limits and sub-limits-

(i) that apply on a solo and consolidated basis for the bank’s aggregate exposure to interest rate risk in the banking book, including the definition of specific procedures and approvals required for or related to any exception, and ensure that the bank’s aggregate exposure to interest rate risk in the banking book remains consistent with the approved risk appetite and overall approach for the measurement of the bank’s exposure to interest rate risk in the banking book;

(ii) that apply in respect of all relevant individual affiliates, business units, portfolios or instrument types;

(iii) that may be associated with specific scenarios of changes in interest rates and/or term structures, such as an increase or decrease of a particular size or a change in the shape of a curve;

(iv) that duly take into consideration-

(aa) the nature, size, complexity and capital adequacy of the bank, as well as its ability to measure and manage its exposure to risk;

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- (bb) the bank's vulnerability to loss under stressful market conditions, including the breakdown of key assumptions;
- (cc) risks that may arise from changes to the level and structure of interest rates, in addition to the economic risks normally associated with changes to the level and structure of interest rates, such as, for example-
 - (i) currency mismatches, that is, when exposure to interest rate risk is in addition to normal exchange rate risks, which may potentially fall within a wider definition of basis risk; or
 - (ii) accounting treatment of risk positions, that is, when the bank's interest rate hedging activity may achieve the desired economic effect, but may fail to qualify for hedge accounting treatment in terms of the relevant requirements specified in accounting standards or statements that may apply from time to time,

Provided that the board shall also clearly specify whether limits are absolute limits in the sense that they may never be exceeded, or whether breaches of limits can be tolerated under specific circumstances for a predetermined short period of time.

- (ii) shall approve and appropriately oversee the bank's-
 - (A) broad business strategy related to its exposure to interest rate risk in the banking book;
 - (B) relevant risk appetite framework and related statements, that is, the written articulation of the aggregate level and types of exposure to interest rate risk in the banking book that the bank is willing to accept, or avoid, in order to achieve its business objectives, which risk appetite framework-
 - (i) shall clearly delineate delegated powers, lines of responsibility and accountability in respect of management decisions related to the bank's exposure to interest rate risk in the banking book; and
 - (ii) shall clearly define authorised instruments, hedging strategies and acceptable risk-taking opportunities,

Provided that the board shall approve all relevant major hedging or risk-taking initiatives prior to its implementation;

- (iii) shall ensure that-
 - (A) the bank has in place-
 - (i) a sufficiently robust risk management framework that complies with, among others, the respective requirements specified in subregulation (5) below;
 - (ii) sufficiently robust systems and internal controls-
 - (aa) to ensure the integrity of the bank's risk management process in respect of its exposure to interest rate risk in the banking book;
 - (bb) to ensure that positions that exceed or are likely to exceed limits specified by the board receive prompt management attention and are appropriately escalated without delay;

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- (cc) to ensure that positions related to internal risk transfers between the bank's banking book and its trading book are properly documented;
- (dd) that promote effective and efficient operations, reliable financial and regulatory reporting, and compliance with all relevant laws, regulations, limits and bank policies,

Provided that the board shall ensure that when revisions or enhancements to the bank's internal controls are identified or necessary, sufficiently robust mechanisms are in place to ensure that the said revisions or enhancements are actually implemented in a timely manner.

- (iii) an effective validation framework that complies with, among others, the respective requirements specified in subregulation (8) below;
- (iv) adequate policies, processes, systems and procedures-
 - (aa) relating to the person(s) to inform, how the communication will take place and the actions to be taken in response to an exception or deviation from the approved or specified business strategy, risk appetite framework or limits;
 - (bb) for the valuation of positions and for assessing performance, including procedures for updating interest rate shock and stress scenarios and key underlying assumptions driving the analysis of the bank's exposure to interest rate risk in the banking book;
- (v) sufficiently clear guidance regarding the acceptable level of exposure to interest rate risk in the banking book, given the bank's approved business strategy;
- (B) all relevant evaluations and reviews of the bank's risk management framework, internal control system and processes-
 - (i) include ensuring that the bank's personnel comply with established policies, limits and procedures;
 - (ii) appropriately address any significant changes that may affect the effectiveness of the bank's controls, including changes in market conditions, personnel, technology and structures of compliance with exposure limits;
 - (iii) are conducted on a sufficiently regular basis by individuals and/or units that are independent of the function(s) being reviewed;
- (C) the management of the bank's exposure to interest rate risk in the banking book-
 - (i) is sufficiently integrated within the bank's broader risk management framework and governance structures; and
 - (ii) is duly aligned with the bank's business planning and budgeting activities;
- (D) in relation to the bank's use of models, and the approval of policies, all relevant and respective oversight responsibilities are appropriately integrated within the bank's governance processes for model risk management;

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- (E) the bank considers capital requirements related to the bank's exposure to interest rate risk in the banking book as an integral part of-
 - (i) the bank's Internal Capital Adequacy Assessment Process (ICAAP); and
 - (ii) the bank's risk appetite framework and broad business strategy;
- (F) the bank complies with the relevant requirements related to the bank's ICAAP, specified in subregulation (7) below;
- (G) key or material behavioural and modelling assumptions used in the measurement of the bank's exposure to interest rate risk in the banking book-
 - (i) are approved by the board;
 - (ii) are well understood and conceptually sound;
 - (iii) are duly documented;
 - (iv) are rigorously tested;
 - (v) are duly aligned to the bank's approved business strategies; and
 - (vi) comply with the relevant further requirements specified in subregulation (6) below;
- (H) the functions responsible for the identification, measurement, monitoring and control of the bank's exposure to interest rate risk in the banking book-
 - (i) have in place clearly defined responsibilities in respect of the identification, measurement, monitoring and control of the bank's exposure to interest rate risk in the banking book;
 - (ii) are sufficiently independent from any relevant risk-taking function(s) of the bank;
 - (iii) report the bank's exposure to interest rate risk in the banking book directly to the board or, when relevant, the committee to which the board has delegated the relevant responsibilities;
- (I) as an integral part of the bank's processes to identify, measure, monitor and control the bank's exposure to interest rate risk in the banking book, the bank also duly monitors and assesses any relevant credit spread risk in the bank's banking book;
- (J) the bank's risk management framework, systems, policies, processes and procedures for identifying, measuring, monitoring and controlling its exposure to interest rate risk in the banking book are subject to appropriate and regular independent review and evaluation regarding the effectiveness of the framework and the relevant systems, policies, processes and procedures, provided that, on prior written request, the bank shall make available to the Authority any relevant review and evaluation reports by an internal or external auditor or other equivalent external person;
- (K) interest rate movements used in the formulation of specified limits represent meaningful shock and stress situations, taking into account historical interest rate volatility and the time required by the senior management of the bank to appropriately mitigate the bank's relevant exposures to interest rate risk;

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- (L) as an integral part of the bank's broader risk management and governance framework and processes, the bank develops and implements an effective stress testing framework for its exposure to interest rate risk in the banking book-
- (i) that includes-
 - (aa) clearly defined objectives;
 - (bb) scenarios that are relevant to the bank's businesses and respective exposures to risk, and that are sufficiently stressful;
 - (cc) well documented and duly approved assumptions; and
 - (dd) sound methodologies;
 - (ii) that ensures that the bank-
 - (aa) undertakes rigorous, forward-looking stress testing that identifies events of severe changes in market conditions which could adversely impact the bank's capital or earnings, possibly also through changes in the behaviour of the bank's customer base;
 - (bb) duly considers-
 - (i) the nature and sources of the bank's exposure to interest rate risk in the banking book;
 - (ii) the required time to take appropriate action to reduce or unwind unfavourable positions or exposures to interest rate risk in the banking book;
 - (iii) the bank's ability and willingness to withstand accounting losses in order to reposition the bank's risk profile;
 - (cc) selects scenarios that provide meaningful estimates of risk and include a range of shocks sufficiently wide to allow the board to duly understand the risk inherent in the bank's products and activities;
 - (iii) that appropriately feeds into the bank's relevant decision-making processes, including strategic decisions, such as, for example, business and capital planning decisions, and at the appropriate level;
 - (iv) that is commensurate with the bank's-
 - (aa) nature, size and complexity;
 - (bb) business activities, products and services; and
 - (cc) overall risk profile;
 - (v) that appropriately assesses, among other things, the potential impact of the relevant scenarios on the bank's financial condition, enabling ongoing and effective review processes for stress tests and recommends appropriate actions to be taken, based upon the respective stress test results;
 - (vi) that facilitates effective communication of risks to all relevant

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stakeholders by means of appropriate disclosures;

- (vii) that complies with the relevant further requirements specified in subregulation (5)(e) below;
- (M) the analysis and risk management activities related to the bank's exposure to or potential changes in interest rate risk in the banking book are conducted by competent staff with technical knowledge and experience, consistent with the nature and scope of the bank's activities;
- (N) when the bank is exposed to significant-
 - (i) gap risk, that is the risk that arises, for example, when the rate of interest paid on liabilities increases before the rate of interest received on assets, or reduces on assets before liabilities, which means that the bank may be exposed to a period of reduced or negative interest margins, or may experience changes in the relative economic values of assets and liabilities;
 - (ii) basis risk, such as, for example, when some assets priced off Jibar are funded by liabilities priced off Treasury Bills; or
 - (iii) positions with explicit or embedded exposure to risk arising from optionality,the board clearly specifies appropriate risk tolerance levels for the aforementioned exposures to risk;
- (O) prior to the introduction of any relevant new product, hedging or risk-taking strategy, the bank has in place sufficiently robust operational procedures and risk control systems in respect of the bank's exposure to and potential change in interest rate risk in the banking book;
- (P) as an integral part of its annual risk assessment and audit plans, the internal audit department reviews, as a minimum, the integrity and effectiveness of the bank's-
 - (i) model risk management process; and
 - (ii) risk management system;
- (Q) the bank discloses to the public, as a minimum and on a sufficiently regular basis, the relevant information specified in subregulation (9);
- (R) all relevant policies, processes and procedures related to the bank's exposure to interest rate risk in the banking book, and disclosure to the public, are reviewed at least on an annual basis, duly taking into consideration the details of all relevant reports and findings reported to the board or its delegates, and revised as needed, to ensure that the said policies, processes and procedures remain appropriate and sound;
- (iv) may delegate the management and monitoring of the bank's exposure to interest rate risk in the banking book to senior management or an asset and liability management committee (ALCO), including the duty to ensure the bank's ongoing compliance with any relevant limits specified by the board, provided that-
 - (A) the board shall-
 - (i) clearly identify the delegates responsible for the management of the bank's exposure to interest rate risk in the banking book and, to avoid any potential conflict of interest, shall ensure that there is also adequate separation of responsibilities in key elements of the risk

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management process;

- (ii) actively promote and encourage regular discussions between-
 - (aa) members of the board and the said delegates;
 - (bb) delegates and other relevant persons, departments or divisions in the bank involved in or affected by the bank's interest rate risk decisions and management process;
 - (cc) the relevant persons, departments or divisions in the bank responsible for the interest rate risk management process and the bank's strategic planning process, to appropriately evaluate risk that may arise from the bank's future business;
- (iii) ensure that-
 - (aa) the aforesaid delegates include persons or members with clear lines of authority over the units responsible for the establishment and management of the bank's interest rate risk positions;
 - (bb) a clear communication channel is in place to convey the delegates' directives to any relevant line unit;
 - (cc) the bank's organisational structure-
 - (i) enables its delegates to properly discharge their respective responsibilities, and
 - (ii) facilitates effective decision-making and good governance.
- (B) when the board delegates the task for the development of policies and practices to an ALCO, the ALCO shall meet on a sufficiently frequent basis and include appropriate representatives from each relevant major department or division contributing to or impacting the bank's exposure to interest rate risk in the banking book;
- (v) shall on a sufficiently frequent basis, but not less frequently than once every six months, receive and review sufficiently detailed information in respect of the bank's exposure to interest rate risk in the banking book-
 - (A) to allow the board to understand and assess-
 - (i) the nature, extent and trend of the bank's exposure to interest rate risk in the banking book; and
 - (ii) the bank's compliance with all the relevant policies and limits approved by the board;
 - (B) which reported information, as a minimum, shall include-
 - (i) a summary of the bank's aggregate exposure to interest rate risk in the banking book, and appropriate explanatory text that highlights to the board the relevant assets, liabilities, cash flows, and strategies driving the level and direction of the bank's exposure to interest rate risk in the banking book;
 - (ii) confirmation of the bank's continued compliance with all relevant approved policies and limits;

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- (iii) a comparison between-
 - (aa) the bank's current exposure to interest rate risk in the banking book and any relevant specified and/ or approved policy limit(s) and/ or sub-limit(s);
 - (bb) past forecasts or risk estimates, and actual results, to inform potential modelling shortcomings;
- (iv) information with an appropriate balance between aggregate information and supporting detail to enable the board to duly assess the sensitivity of the bank to changes in market conditions, with particular reference to portfolios that may potentially be subject to significant mark-to-market movements;
- (v) the results of the relevant required periodic model reviews and audits;
- (vi) key modelling assumptions, such as, for example, characteristics related to non-maturity deposits, prepayments on fixed rate loans and currency aggregation;
- (vii) the results of all relevant stress tests, including an assessment of sensitivities to key assumptions and parameters;
- (viii) a summary of the reviews of any interest rate risk policies, procedures and the adequacy of the measurement systems, including any relevant findings of internal or external auditors and/or other equivalent external persons, such as consultants, and subsequent actions taken to duly address any material shortcomings,

Provided that, the aforesaid reports to and reviews by the board shall be carried out on a more frequent basis when the bank is significantly exposed to interest rate risk in the banking book or has material positions in complex interest rate risk products or instruments;

- (b) As a minimum, based upon the relevant requirements specified in regulation 39, the senior management of a bank-
 - (i) shall provide the bank's board of directors with timely information that is sufficiently detailed to allow the bank's board of directors to understand and assess the performance of all relevant committees, persons or functions responsible for-
 - (A) monitoring, managing, mitigating and controlling the bank's exposure to interest rate risk in the banking book;
 - (B) ensuring the bank's ongoing compliance with policies and limits approved by the board in respect of the bank's exposure to interest rate risk in the banking book;
 - (ii) shall develop and implement appropriate risk limits, including any limits or sub-limits required to be approved by the bank's board of directors-
 - (A) to ensure the bank's exposure to interest rate risk in the banking book remains duly aligned to and within the bank's approved risk appetite and broad business strategy;
 - (B) to monitor the evolution of the bank's approved hedging strategies that rely on instruments such as derivatives;

- (C) to control mark-to-market risks in relation to instruments accounted for at market value or fair value;
 - (iii) shall ensure that proposals to use new strategies or new instrument types, including strategies or instruments related to hedging, are duly assessed to ensure that-
 - (A) the required resources to establish sound and effective interest rate risk management in respect of the product or activity have been properly identified;
 - (B) the proposed activities are in line with the bank's broad business strategy and overall risk appetite;
 - (C) adequate procedures to identify, measure, monitor and control the relevant risks related to or arising from the proposed product or activity have been properly established.
 - (iv) shall ensure that the bank maintains an adequate level of qualifying capital and reserve funds-
 - (A) to continuously support the nature and extent of all the bank's relevant exposures to risk, including the bank's exposure to interest rate risk in the banking book;
 - (B) to withstand the adverse impact of the interest rate shock scenarios respectively envisaged in subregulations (5)(a)(iii)(H) and (5)(a)(iii)(I), without the need for the bank to unexpectedly-
 - (i) increase its issued capital;
 - (ii) increase its allocated capital and reserve funds related to the bank's exposure to interest rate risk in the banking book; or
 - (iii) curtail the bank's dividend distributions.”;
- (d) by the insertion of the following subregulation (5):
- “(5) Matters related to the measurement and appropriate management of exposure to interest rate risk in the banking book
- (a) For the measurement and appropriate management of a bank's exposure to interest rate risk in the banking book, in terms of the risk to both the bank's economic value as well as earnings, a bank shall have in place a sufficiently robust risk management framework that, as a minimum-
 - (i) shall include-
 - (A) appropriate approval processes, exposure limits, reviews and other mechanisms designed to provide reasonable assurance that the bank's risk management objectives in respect of its exposure to interest rate risk in the banking book are achieved;
 - (B) regular evaluations and reviews of the bank's internal control system and risk management processes;
 - (C) a comprehensive reporting and review process in respect of the bank's exposure to interest rate risk in the banking book;
 - (D) appropriate escalation procedures in respect of any specified limits that may be exceeded.

- (ii) shall ensure that-
 - (A) the bank-
 - (i) uses an appropriate variety of methodologies to quantify the bank's exposure to interest rate risk in the banking book, under both the economic value and earnings-based measures, ranging from simple calculations based on static simulations using current holdings to more sophisticated dynamic modelling techniques that reflect the bank's potential future business activities;
 - (ii) duly documents, among others, the major data sources used in the bank's risk management and measurement processes;
 - (B) portfolios that may be subject to significant mark-to-market movements are clearly identified within the bank's management information systems, and are subject to appropriate oversight;
- (iii) shall include effective management information and measurement systems-
 - (A) that are able to-
 - (i) identify and quantify all material sources impacting the bank's exposure to interest rate risk in the banking book;
 - (ii) compute economic value and earnings-based measures of the bank's exposure to interest rate risk in the banking book, based upon the relevant interest rate shock and stress scenarios respectively envisaged in items (H) and (I) below;
 - (iii) assess the ability of the bank to generate sufficiently stable earnings to sustain its normal business operations;
 - (iv) measure the bank's vulnerability to loss under stressful market conditions, including a breakdown of key assumptions;
 - (v) appropriately assess and aggregate all material multicurrency exposures, since yield curves vary from currency to currency, that is, when the bank, for example, has material exposures in different currencies the bank shall develop appropriate methods to aggregate its exposure to interest rate risk in the banking book in different currencies, using appropriate assumptions about the correlation between interest rates in the relevant different currencies.
 - (B) that duly capture-
 - (i) interest rate risk data on all the bank's material exposures to interest rate risk in the banking book
 - (ii) the impact of sufficiently severe interest rate shocks-
 - (aa) on the bank's economic value;as well as
 - (bb) on the bank's earnings;
 - (C) that ensure that-
 - (i) the bank continuously measures its exposure to interest rate risk in the banking book, in a timely and accurate manner;

- (ii) data inputs are automated, as much as possible, to reduce the risk of administrative errors;
 - (iii) all relevant data mapping is periodically reviewed and tested against an approved model version;
 - (iv) the bank duly monitors the type of data extracts, and set appropriate controls;
 - (v) all relevant slotting criteria remain stable over time when cash flows are slotted into different time buckets, such as, for example, for purposes of gap analyses, or assigned to different vertex points to appropriately reflect the different tenors of the interest rate curve, to ensure a meaningful comparison of the relevant risk figures over different periods;
- (D) that duly take into consideration the mix of the bank's business lines, products and the risk characteristics of its activities;
- (E) that assess the effect of market changes on the scope of the bank's activities;
- (F) that are sufficiently flexible to incorporate such constraints on the bank's internal risk parameter estimates as may be specified in writing by the Authority;
- (G) that allow the board of directors and senior management to duly understand how an instrument's actual maturity or repricing behaviour may differ from the instrument's contractual terms, due to behavioural optionality;
- (H) that are able to measure or calculate, in respect of each relevant currency in which the bank has material positions or exposure, the expected impact on the bank's economic value of multiple scenarios, based upon-
- (i) the six interest rate shock scenarios specified below:
 - (aa) parallel shock up;
 - (bb) parallel shock down;
 - (cc) steepener shock, that is, short rates down and long rates up;
 - (dd) flattener shock, that is, short rates up and long rates down;
 - (ee) short rates shock up; and
 - (ff) short rates shock down,

read with the currency-specific absolute shocks and the formulae respectively specified in Table 1 in sub-item (ii) and in sub-item (iii) below;
 - (ii) the currency-specific absolute shocks specified in Table 1 below:

Table 1: $\bar{R}_{shocktype,c}$

Currency	Parallel	Short	Long
ARS	400	500	300
AUD	300	450	200
BRL	400	500	300
CAD	200	300	150
CHF	100	150	100
CNY	250	300	150
EUR	200	250	100
GBP	250	300	150
HKD	200	250	100
IDR	400	500	350
INR	400	500	300
JPY	100	100	100
KRW	300	400	200
MXN	400	500	300
RUB	400	500	300
SAR	200	300	150
SEK	200	300	150
SGD	150	200	100
TRY	400	500	300
USD	200	300	150
ZAR ¹	400	500	300

1. Or such further currency-specific absolute shocks as may be directed in writing by the Authority.

- (iii) the parameterisations of the relevant instantaneous shock to the risk-free rate through the application of the formulae specified below:

In the case of-

- (aa) a constant parallel shock up or down across all relevant time buckets, for currency c :

$$\Delta R_{parallel,c}(t_k) = \pm \bar{R}_{parallel,c}$$

- (bb) a short rate shock up or down for currency c , that is greatest at the shortest tenor midpoint:

$$\begin{aligned} \Delta R_{short,c}(t_k) &= \pm \bar{R}_{short,c} \cdot S_{short}(t_k) \\ &= \pm \bar{R}_{short,c} \cdot e^{\frac{-t_k}{x}} \end{aligned}$$

which shock, through the shaping scalar

$$S_{short}(t_k) = (e^{\frac{-t_k}{x}})$$

where $x = 4$, or such other variable as may be directed in writing by the Authority, diminishes towards zero at the tenor of the longest point in the term structure

and

t_k is the midpoint (in time) of the k^{th} bucket and t_K is the midpoint (in time) of the last bucket K

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For example, assume the bank uses the standardised framework with $K=19$ time bands and with $t_k = 25$ years, that is, the midpoint (in time) of the longest tenor bucket K , and where t_k is the midpoint (in time) for bucket k .

If $k=10$ with $t_k = 3.5$ years, the scalar adjustment for the short shock would be equal to 0.417, determined as follows:

$$S_{short}(t_k) = (e^{\frac{-3.5}{4}})$$

The bank shall multiply this result with the value of the short rate shock to obtain the relevant amount to be added to or subtracted from the yield curve at that tenor point, that is, if the short rate shock was +100 bp, the increase in the yield curve at $t_k = 3.5$ years would be 41.7 bp.

- (cc) rotational long rate shocks for currency c , where the shock is greatest at the longest tenor midpoint and is related to the short scaling factor

$$S_{long}(t_k) = 1 - S_{short}(t_k)$$

and

$$\Delta R_{long,c}(t_k) = \pm \bar{R}_{long,c} \cdot S_{long}(t_k) =$$

$$\pm \bar{R}_{long,c} \cdot \left(1 - e^{\frac{-t_k}{x}}\right)$$

- (dd) rotation shocks for currency c involving rotations to the term structure, that is, steepeners and flatteners, of the interest rates whereby both the long and short rates are shocked and the shift in interest rates at each tenor midpoint is obtained by applying the relevant formulae specified below to those shocks:

$$\Delta R_{steepener,c}(t_k) = -0.65 \cdot |\Delta R_{short,c}(t_k)|$$

$$+0.9 \cdot |\Delta R_{long,c}(t_k)|$$

$$\Delta R_{flattener,c}(t_k) = +0.8 \cdot |\Delta R_{short,c}(t_k)|$$

$$-0.6 \cdot |\Delta R_{long,c}(t_k)|$$

For example, in the case of a steepener, assume the same point on the yield curve as in sub-item (bb) above, that is, where $t_k = 3.5$ years.

If the absolute value of the short rate shock was 100 bp and the absolute value of the long rate shock was 100 bp, the change in the yield curve at $t_k = 3.5$ years would be the sum of the effect of the short rate shock plus the effect of the long rate shock in basis points, that is, $-0.65 \cdot 100\text{bp} \cdot 0.417 + 0.9 \cdot 100\text{bp} \cdot (1 - 0.417) = +25.4\text{bp}$.

In the case of a flattener, the corresponding change in the yield curve for the shocks in the aforementioned example at $t_k = 3.5$ years would be: $+ 0.8 \cdot 100\text{bp} \cdot 0.417 - 0.6 \cdot 100\text{bp} \cdot (1 - 0.417) = -1.6\text{bp}$.

- (iv) internally selected interest rate shock scenarios, duly addressing the bank's risk profile, in accordance with the bank's board-approved Internal Capital Adequacy Assessment Process (ICAAP);
 - (v) historical and hypothetical interest rate stress scenarios, which normally tend to be more severe than shock scenarios;
 - (vi) such additional interest rate shock and stress scenarios as may be directed in writing by the Authority;
- (l) that are able to measure or calculate, in respect of each relevant currency in which the bank has material positions or exposure, the expected impact on earnings or net interest income of multiple scenarios, based upon-
- (i) the two interest rate shock scenarios specified below:
 - (aa) parallel shock up; and
 - (bb) parallel shock down;
 - (ii) internally selected interest rate shock scenarios, duly addressing the bank's risk profile, in accordance with the bank's board-approved ICAAP;
 - (iii) historical and hypothetical interest rate stress scenarios, which normally tend to be more severe than shock scenarios;
 - (iv) such additional interest rate shock and stress scenarios as may be directed in writing by the Authority;
- (b) Unless specifically otherwise provided in this regulation 30, whenever a bank-
- (i) computes or calculates its ΔEVE , the bank-
 - (A) shall base the computation or calculation on the assumption of a run-off balance sheet, that is, where existing banking book positions amortise and are not replaced by any new business;
 - (B) shall include all cash flows from all relevant interest rate-sensitive assets, liabilities and off-balance sheet items in the banking book;
 - (C) shall clearly indicate whether it excluded from or included in the respective cash flow amounts commercial margins and any other relevant spread components;
 - (D) shall exclude its own equity from the computation of any relevant exposure value;
 - (E) shall discount all relevant cash flows using either-
 - (i) a risk-free rate, which shall be representative of a risk-free zero coupon rate, such as, for example, a rate derived from a secured interest rate swap curve; or
 - (ii) a risk-free rate that includes commercial margins and other spread components if the bank has included commercial margins and other

spread components in its relevant cash flows,

provided that, as stated hereinbefore, the bank shall clearly indicate or disclose whether it has discounted its cash flows using a risk-free rate or a risk-free rate that includes commercial margins and other spread components;

- (ii) computes or calculates its ΔNII , the bank-
 - (A) shall assume a constant balance sheet, that is, the bank shall assume all maturing or repricing cash flows are replaced by new cash flows with identical features with regard to the amount, repricing period and spread components;
 - (B) shall include all relevant expected cash flows, including any relevant commercial margins and other spread components, arising from all interest rate-sensitive assets, liabilities and off-balance sheet items in the banking book,
- (iii) is required to disclose its ΔNII , the bank shall disclose the relevant ΔNII as the difference in future interest income over a rolling 12-month period;
- (c) For the measurement of a bank's exposure to interest rate risk in the banking book, based upon a change in economic value, that is, ΔEVE , a bank may choose to adopt the approach and method set out in this paragraph (c), which approach shall for purposes of these Regulations be regarded as the standardised approach for the measurement of a bank's exposure to interest rate risk in the banking book in terms of ΔEVE , provided that-
 - (i) the Authority may, in the Authority's sole discretion, direct a bank in writing to adopt the standardised approach and method set out in this paragraph (c) for the measurement of the bank's exposure to interest rate risk in the banking book;
 - (ii) when the bank adopts or the Authority directs the bank in writing to adopt the standardised approach and method set out in this paragraph (c) for the measurement of the bank's exposure to interest rate risk in the banking book, the bank shall, based upon the respective requirements specified in this paragraph (c)-
 - (A) in respect of each relevant currency in which the bank has material positions or exposure, that is, currencies that individually account for 5% or more of either the bank's banking book assets or liabilities, calculate the loss in economic value of equity, that is, $\Delta EVE_{i,c}$ under scenario i and currency c ;
 - (B) allocate all relevant interest rate-sensitive banking book positions into one of the following three categories:
 - (i) positions amenable to standardisation

Positions amenable to standardisation may include positions with embedded automatic interest rate options.

When the bank allocates the relevant notional repricing cash flows in accordance with the respective requirements specified in subparagraph (iv) below, the bank shall in the case of positions with embedded automatic interest rate options, whether sold or bought, ignore that optionality during the process of allocation, and treat the said optionality together with all other relevant automatic interest rate options, as envisaged in subparagraph (ix).

For example-
 - (aa) a floating rate loan or debt security with a floor shall for purposes of subparagraph (iv) be treated as if there was no

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floor, that is, the instrument shall be treated as if it will fully reprice at the next reset date, and its full outstanding balance shall be allocated to the relevant corresponding time band in accordance with the relevant requirements specified in subparagraph (iv);

- (bb) a callable bond issued by the bank at a fixed yield shall be treated as if it matured at its longest contractual term, ignoring the relevant call option.
- (ii) positions less amenable to standardisation

A common feature of positions less amenable to standardisation is optionality, which-

- (aa) makes the timing of notional repricing cash flows uncertain; and
- (bb) introduces a non-linearity, which makes delta-equivalent approximations imprecise for large interest rate shock scenarios.

As such, positions less amenable to standardisation shall be excluded from the requirements specified in subparagraph (iv) below related to the allocation of cash flows based on repricing maturities.

A bank shall treat positions with explicit automatic interest rate options, as well as embedded automatic interest rate options in accordance with the relevant requirements specified in subparagraphs (viii) and (ix), where the relevant options must be separated or stripped out from the bank's relevant assets or liabilities, that is, from the relevant host contract.

An example of a product with embedded automatic interest rate options is a floating rate mortgage loan with embedded caps and/or floors. The bank shall treat the notional repricing cash flows for these loans as a fixed rate loan until the next repricing date, thereby ignoring the option, which, instead, shall be treated like a separate automatic interest rate option.

- (iii) positions not amenable to standardisation

Positions not amenable to standardisation include-

- (aa) non-maturity deposits (NMDs);
- (bb) fixed rate loans subject to prepayment risk; and
- (cc) term deposits subject to early redemption risk.

- (C) ensure that any relevant notional repricing cash flow amount, denoted by $CF(k)$, includes-

- (i) any repayment of the relevant principal amount, for example, at the relevant contractual maturity date;
- (ii) any repricing of the relevant principal amount, which repricing shall be deemed to occur at the earliest date at which-
 - (aa) either the bank or its counterparty is entitled to unilaterally change the interest rate; or

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- (bb) the rate on a floating rate instrument changes automatically in response to a change in an external benchmark rate;
- (iii) any interest payment on a tranche of principal that has not yet been repaid or repriced, that is, for purposes of this regulation 30, spread components of interest payments on a tranche of principal that has not yet been repaid and which do not reprice shall be allocated based upon their contractual maturity irrespective of whether the non-amortised principal has been repriced or not,

Provided that for purposes of this subregulation (5)(c), the date of each of the aforementioned repayments, repricing or interest payments in respect of a particular item shall be regarded as that particular item's repricing date.

- (iii) the bank shall in each relevant specified case, based upon, among others, the relevant requirements specified in subparagraphs (iv) and (v) below, in respect of each relevant currency in which the bank has material positions or exposure, project or allocate all the relevant future notional repricing cash flows arising from interest rate-sensitive-
 - (A) assets that are not deducted from the bank's Common Equity Tier 1 (CET1) capital and reserve funds, excluding-
 - (i) any fixed asset, such as real estate;
 - (ii) any intangible asset; and
 - (iii) any equity exposure in the banking book;
 - (B) liabilities, including all non-remunerated deposits, other than any item that forms part of the bank's CET1 capital and reserve funds.

Normally term deposits lock in a fixed rate for a fixed term. However, term deposits are often subject to the risk of early withdrawal, that is, the risk of early redemption.

As such, a bank may only regard term deposits as fixed rate liabilities and allocate their relevant notional repricing cash flows into the relevant time buckets or time bucket midpoints up to their corresponding contractual maturity dates when the bank is able to demonstrate to the satisfaction of the Authority that the depositor has no legal right to withdraw the deposit at an earlier date, and the bank duly enforces that legal right, or the bank imposes a significant penalty in the case of an early withdrawal, that at least compensates the bank for the loss of interest between the date of withdrawal and the contractual maturity date and the economic cost of breaking the contract, provided that-

- (i) when the bank is unable to demonstrate to the satisfaction of the Authority that the aforementioned conditions are met, the bank shall regard the relevant term deposits as being subject to early redemption risk, and allocate the relevant notional repricing cash flows in accordance with the relevant requirements specified in subparagraph (v) below;
- (ii) when relevant, the bank shall allocate any term deposit expected to be redeemed early into the overnight time bucket ($k=1$) or time bucket midpoint (t_1);
- (iii) when the aforementioned term deposits that do not meet the required criteria are issued to wholesale customers, the bank shall assume that the customer will always exercise the right to withdraw in a manner that is most disadvantageous to the bank, that is, the

bank shall classify the relevant deposits as automatic interest rate options;

and

(C) off-balance sheet items;

- (iv) based upon the aforesaid, the bank shall, in the case of positions amenable to standardisation, based upon the respective position's relevant repricing maturity, allocate the respective notional repricing cash flows to the appropriate time bucket specified in table 1 below, denoted by t^{CF} , provided that the bank may choose whether or not to deduct commercial margins and other spread components from the relevant notional repricing cash flows, using a prudent and transparent methodology.

Table 1

Time bucket intervals ^{1; 2; 3; 4; 5}								
Short-term rates	Overnight (0.0028Y)	O/N < t^{CF} ≤ 1M (0.0417Y)	1M < t^{CF} ≤ 3M (0.1667Y)	3M < t^{CF} ≤ 6M (0.375Y)	6M < t^{CF} ≤ 9M (0.625Y)	9M < t^{CF} ≤ 1Y (0.875Y)	1Y < t^{CF} ≤ 1.5Y (1.25Y)	1.5Y < t^{CF} ≤ 2Y (1.75Y)
Medium-term rates	2Y < t^{CF} ≤ 3Y (2.5Y)	3Y < t^{CF} ≤ 4Y (3.5Y)	4Y < t^{CF} ≤ 5Y (4.5Y)	5Y < t^{CF} ≤ 6Y (5.5Y)	6Y < t^{CF} ≤ 7Y (6.5Y)			
Long-term rates	7Y < t^{CF} ≤ 8Y (7.5Y)	8Y < t^{CF} ≤ 9Y (8.5Y)	9Y < t^{CF} ≤ 10Y (9.5Y)	10Y < t^{CF} ≤ 15Y (12.5Y)	15Y < t^{CF} ≤ 20Y (17.5Y)	t^{CF} > 20Y (25Y)		

- O/N means overnight; M means months; Y means years.
- The number in the table in brackets is the relevant time bucket's midpoint.
- All relevant future notional repricing cash flows of all relevant assets, liabilities and off-balance sheet items shall be allocated to the appropriate time bucket based upon-
 - the relevant item's repricing date; or
 - the time bucket midpoints, retaining the maturity of the relevant notional repricing cash flows, provided that in the case of option (b) the relevant notional repricing cash flows shall be split-up between the two relevant adjacent maturity bucket midpoints, Provided that any spread component of interest payment on a tranche of principal that has not yet been repaid and which does not reprice shall be allocated based upon the relevant item's contractual maturity, irrespective of whether the non-amortised principal has been repriced or not.
- Fixed rate instruments or positions, that is instruments or positions-
 - that generate cash flows that are certain till the point of contractual maturity shall be allocated based upon the instrument or position's contractual maturity, provided that the bank shall allocate all relevant coupon cash flows and periodic or final principal repayments to the relevant time bucket midpoints closest to the contractual maturity;
 - such as, for example, a fixed rate loan without any embedded prepayment option, a term deposit without redemption risk or any other amortising product, such as a mortgage loan.
- Floating rate instruments or positions-
 - that is, instruments or positions that generate cash flows that are not predictable past the next repricing date other than that the relevant present value would be reset to par, which instruments are equivalent to a series of coupon payments until the next repricing date and a par notional cash flow at the relevant time bucket midpoint closest to the next reset date bucket;
 - shall be deemed to reprice fully at the relevant first reset date, that is, the bank shall allocate the entire principal amount to the bucket in which that relevant date falls, with no further allocation of notional repricing cash flows to later time buckets or time bucket midpoints, other than any spread component which is not repriced.
- based upon the aforesaid, the bank shall, in the case of positions not amenable to standardisation, duly distinguish between-
 - non-maturity deposits (NMDs), that is, deposits that often serve as a stable and cost-effective source of funding for the bank, even when market rates change, but in respect of which the depositor is free to withdraw the funds at any time, since the deposit has no contractually agreed maturity date.

In respect of such NMDs-

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- (i) the bank shall duly distinguish between the respective categories or types of deposit, based upon the nature of the deposit and the depositor, that is, the bank shall distinguish between-
 - (aa) retail deposits, that is, deposits placed with the bank by an individual person, which shall be regarded as held in transactional accounts when regular transactions, such as, for example, salaries, are credited or carried out in that account, provided that-
 - (i) deposits made by small business customers and managed by the bank as retail exposures shall for purposes of this item (A) be regarded as having interest rate risk characteristics similar to retail accounts and, as such, may be treated as retail deposits, provided that the total aggregated liabilities raised from one small business customer amounts to less than such amount as may be directed in writing by the Authority from time to time;
 - (ii) any other retail deposits that do not comply with the requirements specified hereinbefore shall be deemed to be held in a non-transactional account.
 - (bb) wholesale deposits, that is, deposits from institutions, persons or entities such as legal entities, sole proprietorships or partnerships; and
 - (cc) non-interest bearing deposits, which, unless specifically otherwise directed in writing by the Authority, shall for purposes of this item (A) be treated in a manner similar to retail deposits.
- (ii) the bank shall also, in respect of each of the aforementioned NMD categories, distinguish between the relevant stable and non-stable and the core and the non-core proportion, based upon observed volume changes during the preceding 10 years.

For the purposes of the aforementioned required distinction-

 - (aa) the stable NMD portion means the portion found to remain undrawn with a high degree of likelihood;
 - (bb) core deposits mean that proportion of stable NMDs which are unlikely to reprice even in an environment of significant changes in interest rates;
 - (cc) NMDs other than the aforementioned categories of NMDs shall be regarded as the non-core portion of NMDs.
- (iii) the bank shall-
 - (aa) aggregate the respective amounts to determine the overall volume and proportion of core deposits of each relevant NMD category, the respective proportions of which shall be limited to the respective percentages specified in Table 2 below; and
 - (bb) allocate the respective cash flow amounts related to each of the aforementioned categories into the appropriate time buckets or time bucket midpoints envisaged hereinbefore, for which purposes the bank shall-

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- (i) regard non-core deposits as overnight deposits and, as such, shall allocate the relevant amounts to the shortest/ overnight time bucket or time bucket midpoint; and
- (ii) for each relevant category of core deposits allocate the relevant amounts up to the maximum average maturity specified in Table 2 below:

Table 2
Caps on core deposits and average maturity by category

	Limit in respect of proportion of core deposits (%)	Limit in respect of average maturity of core deposits (years)
Retail/transactional	90	5
Retail/non-transactional	70	4.5
Wholesale	50	4

- (B) positions with behavioural options, other than NMDs, related to retail customers

A bank shall-

- (i) in respect of fixed rate loans subject to prepayment risk and term deposits subject to early redemption risk, where the bank's retail customers have an option that, when exercised, alters the timing of the bank's cash flows, and which option in turn may be influenced, for example, by factors such as changes in interest rate, in the case of-
 - (aa) fixed rate loans subject to prepayment risk, that is, cases where the customer has an option to repay the loan early, estimate the optionality in the said products by means of the two-step approach specified in item (C) below.
 - (bb) term deposits subject to early redemption risk, that is, cases where the customer has an option to withdraw the deposit before the scheduled date, estimate the optionality in the said products by means of the two-step approach specified in item (D) below.
 - (ii) in the case of any wholesale customer with a behavioural option that may change the bank's expected pattern of notional repricing cash flows, such as, for example, a puttable fixed coupon bond issued by the bank in the wholesale market, in respect of which the owner has the right to sell the bond back to the bank at a fixed price at any time, include the relevant position and option within the category of automatic interest rate options set out in subparagraphs (viii) and (ix);
- (C) fixed rate loans subject to prepayment risk

In respect of fixed rate loans subject to prepayment risk where the relevant economic cost is either not charged to the borrower, which is often being referred to as uncompensated prepayments, or charged only for prepayments above a specified threshold, the bank shall firstly calculate the relevant baseline estimates of loan prepayments based upon the current prevailing term structure of interest rates, and in accordance with such further requirements as may be directed in writing by the Authority, and then

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multiply the aforementioned baseline estimates with scenario-dependent scalars that reflect the likely behavioural changes in the exercise of the options, in accordance with the relevant formulae and requirements specified below:

$$CPR_{i,c}^p = \min(1, \gamma_i \cdot CPR_{0,c}^p)$$

where:

$CPR_{0,c}^p$ is the relevant constant baseline conditional prepayment rate (CPR) for each relevant portfolio, denoted by p , of homogeneous prepayment-exposed loans, denominated in currency c , based upon the prevailing term structure of interest rates, provided that, subject to the prior written approval of and such conditions as may be directed in writing by the Authority, a bank may vary the base CPR over the life of each relevant loan in the portfolio, denoted as:

$CPR(k)_{0,c}^p$ for each time bucket k or time bucket midpoint t_k

i is the relevant interest rate scenario, as envisaged in table 3 below

γ_i is the relevant multiplier applied for scenario i , as set out in table 3 below:

Table 3

CPRs under the respective shock scenarios ¹		
Scenario number (i)	Interest rate shock scenarios	γ_i (scenario multiplier)
1	Parallel up	0.8
2	Parallel down	1.2
3	Steeper	0.8
4	Flattener	1.2
5	Short rate up	0.8
6	Short rate down	1.2

1. Since prepayment speeds are likely to vary according to the interest rate shock scenario, the multipliers (γ_i) reflect the expectation that prepayments will generally be higher during periods of falling interest rates and lower during periods of rising interest rates.

In order to ensure that all the relevant scheduled payments are appropriately adjusted for the aforementioned prepayment risk and uncompensated prepayments, the bank shall calculate the relevant cash flows related to the fixed rate loans subject to prepayment risk in accordance with the formula specified below:

$$CF_{i,c}^p(k) = CF_{i,c}^s(k) + CPR_{i,c}^p \cdot N_{i,c}^p(k-1)$$

where:

The base cash flows, given the current interest rate yield curve and the base CPR, are given by $i = 0$, while the respective interest rate shock scenarios are given for $i = 1$ to 6.

$CF_{i,c}^s(k)$ means the relevant scheduled interest and principal repayment

$N_{i,c}^p(k-1)$ means the relevant notional outstanding amount at time bucket $k-1$

Provided that when an annual limit applies in respect of uncompensated prepayments, the bank shall appropriately apply that limit in the calculation of the relevant required cash flows.

(D) term deposits subject to early redemption risk

In respect of term deposits subject to early redemption risk the bank shall, in order to appropriately allocate the relevant notional repricing cash flows, firstly calculate the relevant baseline estimates of early withdrawal of fixed-term deposits based upon the current prevailing term structure of interest rates, and in accordance with such further requirements as may be directed in writing by the Authority, and then multiply the aforementioned baseline estimates with scenario-dependent scalars that reflect the likely behavioural changes in the exercise of the options, in accordance with the relevant formulae and requirements specified below:

$$TDRR_{i,c}^p = \min(1, u_i \cdot TDRR_{o,c}^p)$$

that is, the bank shall obtain the relevant term deposit redemption ratio for time bucket k or time bucket midpoint t_k , applicable to each relevant homogeneous portfolio p of term deposits in currency c and under scenario

i , by multiplying $TDRR_{o,c}^p$ with a scalar, denoted by u_i , which depends on the scenario i

where:

$TDRR_{o,c}^p$ means the relevant baseline term deposit redemption ratio applicable to each relevant homogeneous portfolio p of term deposits in currency c

i is the relevant scenario, envisaged in table 4 below

u_i is the relevant scalar applied for scenario i , as set out in table 4 below:

Table 4

Term deposit redemption rate (TDRR) scalars under the relevant shock scenarios		
Scenario number (i)	Interest rate shock scenarios	Scalar multipliers u_i
1	Parallel up	1.2
2	Parallel down	0.8
3	Steeper	0.8
4	Flattener	1.2
5	Short rate up	1.2
6	Short rate down	0.8

and

$$CF_{i,c}^p(1) = TD_{o,c}^p \cdot TDRR_{i,c}^p$$

means the relevant notional repricing cash flows expected to be withdrawn

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early under interest rate shock scenario i

where:

$TD_{0,c}^p$ is the relevant outstanding amount of term deposits of type p

- (vi) the bank shall then, in respect of each relevant currency in which the bank has material positions or exposure, and for all the relevant interest rate shock scenarios envisaged hereinbefore, determine the relevant ΔEVE , prior to the add-on that relates to any relevant interest rate option, envisaged in subparagraphs (viii) and (ix) below, that is, in respect of-

- (A) each relevant scenario i , based upon the respective requirements specified hereinbefore, the bank shall-

- (i) allocate the respective notional repricing cash flows into the respective time bucket $k \in \{1, 2, \dots, K\}$ or time bucket midpoint t_k , $k \in \{1, 2, \dots, K\}$;
- (ii) within a given time bucket k or time bucket midpoint t_k , net all relevant positive and negative notional repricing cash flows, to form a single long or short position;
- (iii) then eventually have a set of notional repricing cash flows across all relevant time buckets or time bucket midpoints, $CF_{i,c}(k)$ or $CF_{i,c}(t_k)$, $k \in \{1, 2, \dots, K\}$;

- (B) each relevant time bucket k or time bucket midpoint t_k the bank shall calculate weighted net notional repricing cash flows, which may be positive or negative, that reflects the interest rate shock scenario i in currency c , by means of the application of a continuously compounded discount factor, in accordance with the formula specified below:

$$DF_{i,c}(t_k) = \exp(-R_{i,c}(t_k) \cdot t_k)$$

where:

t_k is the midpoint of time bucket k ;

and

the bank shall discount the respective cash flows by using either a risk-free rate, representative of a risk-free zero coupon rate, or a risk-free rate including commercial margin and other spread components when the bank has included commercial margins and other spread components in the relevant cash flow amounts.

- (vii) based upon the aforesaid, the bank shall then aggregate the respective risk-weighted net positions, in order to determine the EVE in currency c under scenario i , excluding automatic interest rate option positions, as follows:

In the case of a bank that uses-

- (A) maturity buckets

$$EVE_{i,c}^{nao} = \sum_{k=1}^K CF_{i,c}(k) \cdot DF_{i,c}(t_k)$$

- (B) maturity bucket midpoints

$$EVE_{i,c}^{nao} = \sum_{k=1}^K CF_{i,c}(t_k) \cdot DF_{i,c}(t_k)$$

- (viii) the bank shall then, in accordance with the relevant requirements specified in subparagraph (ix) below, calculate the relevant required add-on in respect of all relevant explicit and embedded sold automatic interest rate options, such as, for example-

- (A) caps and floors, which are often embedded in banking products;
- (B) swaptions, such as prepayment options on non-retail products;
- (C) behavioural option positions with wholesale customers that may change the pattern of notional repricing cash flows,

Provided that-

- (i) all relevant interest rate options sold shall be subject to full revaluation; and
- (ii) the bank may choose to also include in the relevant calculation-
- (aa) all bought automatic options; or
- (bb) only automatic options used to hedge sold automatic interest rate options.
- (ix) the bank shall then calculate the relevant total measure related to automatic interest rate option risk under interest rate shock scenario i in currency c , in accordance with the formulae specified below:

$$KAO_{i,c} = \sum_{o=1}^{n_c} \Delta FVAO_{i,c}^o - \sum_{q=1}^{m_c} \Delta FVAO_{i,c}^q$$

where:

$\Delta FVAO_{i,c}^o$ means the change in value for each sold automatic option o in currency c , for each relevant interest rate shock scenario i

that is, based upon the relevant methodology and any specific conditions specified in writing by the Authority, the bank shall determine the value change by:

- estimating the value of the option to the option holder, given:
 - a yield curve in currency c under the interest rate shock scenario i ; and
 - a relative increase in the implicit volatility of 25%;

minus

- the value of the sold option to the option holder, given the yield curve in currency c at the valuation date.

n_c means the number of sold options in currency c

$\Delta FVAO_{i,c}^q$ means, in respect of every relevant bought automatic interest rate option, denoted by q , the relevant change in the option's value between interest rate shock scenario i and the current interest rate term structure, combined with a relative increase in the implicit volatility of 25%,

m_c means the number of bought options in currency c

Provided that, when the bank decided to include only bought automatic interest rate options used to hedge sold automatic interest rate options in the calculations up to this point, the bank shall, in respect of all the relevant remaining bought options, add to the total automatic interest rate option risk measure determined in accordance with the requirements specified hereinbefore, that is, $KAO_{i,c}$, any changes in the market values reflected in the bank's respective components of capital and reserve funds, such as, for example, CET1, AT1 or total capital.

- (x) the bank shall then subtract $EVE_{i,c}^{nao}$ from the EVE in respect of the current interest rate term structure $EVE_{0,c}^{nao}$ and add the total measure for automatic interest rate option risk $KAO_{i,c}$ to obtain the full change in EVE in currency c associated with scenario i , as follows:

In the case of a bank that uses-

- (A) maturity buckets

$$\Delta EVE_{i,c} = \sum_{k=1}^K CF_{0,c}(k) \cdot DF_{0,c}(t_k) - \sum_{k=1}^K CF_{i,c}(k) \cdot DF_{i,c}(t_k) + KAO_{i,c}$$

- (B) maturity bucket midpoints

$$\Delta EVE_{i,c} = \sum_{k=1}^K CF_{0,c}(t_k) \cdot DF_{0,c}(t_k) - \sum_{k=1}^K CF_{i,c}(t_k) \cdot DF_{i,c}(t_k) + KAO_{i,c}$$

- (xi) the bank shall then finally calculate the amount of ΔEVE in respect of its exposure to interest rate risk in the banking book as the maximum of the worst aggregated reductions to EVE across the relevant specified six interest rate shock scenarios, that is, the bank shall aggregate the respective EVE losses $\Delta EVE_{i,c} > 0$ under a given interest rate shock scenario i , and the maximum loss across the respective interest rate shock scenarios shall be the bank's relevant required EVE risk measure, which is expressed mathematically as:

Standardised EVE risk measure =

$$\max_{i \in \{1,2,\dots,6\}} \left\{ \max \left(0; \sum_{c: \Delta EVE_{i,c} > 0} \frac{\Delta EVE_{i,c}}{\text{loss in currency } c} \right) \right\}$$

- (d) A bank's risk and internal capital adequacy assessment process (ICAAP) and related measures-
- (i) shall duly take into consideration the complementary nature of economic value and

earnings-based measures in terms of, for example-

- (A) outcomes, in respect of which-
 - (i) the economic value measures typically compute a change in the net present value of the bank's assets, liabilities and off-balance sheet items subject to specific interest rate shock and stress scenarios; whilst
 - (ii) the earnings-based measures typically focus on changes to future profitability within a given time horizon, eventually affecting future levels of the bank's own equity capital;
- (B) assessment horizons, in respect of which-
 - (i) the economic value measures typically reflect changes in value over the remaining life of the bank's assets, liabilities and off-balance sheet items, that is, until all positions have completely run off; whilst
 - (ii) the earnings-based measures typically cover only the short to medium term, and therefore do not completely capture risks that will continue to impact the bank's profit and loss accounts beyond the period of estimation;
- (C) future business, in respect of which-
 - (i) the economic value measures typically consider the net present value of repricing cash flows of instruments on the bank's balance sheet or accounted for as an off-balance sheet item, that is, a so-called run-off view; whilst
 - (ii) the earnings measures may, in addition to a so-called run-off view, assume rollover of maturing items, that is, a so-called constant balance sheet view, and/or assess the scenario-consistent impact on the bank's future earnings inclusive of future business, that is, a so-called dynamic view.
- (ii) shall comply with the relevant requirements specified in subregulation (7), and such further requirements as may be directed in writing by the Authority.
- (e) A bank's stress testing framework related to its exposure to interest rate risk in the banking book-
 - (i) shall facilitate and actively promote ongoing effective collaboration between all relevant senior executives or functions responsible for the identification of relevant shock and stress scenarios, the application of sound modelling approaches and the appropriate use of the stress testing results, which may include, for example, the treasury department, the finance department, traders, the ALCO, the risk management and risk control departments and/or the bank's economist(s);
 - (ii) shall be sufficiently robust to ensure that-
 - (A) the bank determines a range of potential interest rate movements, per currency in which the bank has material positions or exposure, against which the bank then measures its exposure to interest rate risk in the banking book;
 - (B) the bank's risk exposure is measured under a reasonable range of potential interest rate scenarios, including some containing sufficiently severe stress elements;
 - (C) when the bank develops relevant scenarios, a variety of factors are

considered, such as, for example-

- (i) the shape and level of the current term structure of interest rates;
 - (ii) the historical and implied volatility of interest rates;
 - (iii) interest rate assumptions to measure the bank's exposure to changes in interest rate volatilities, since the market value of options, for example, fluctuates with changes in the volatility of interest rates;
 - (iv) the need to also consider the possibility of negative interest rate scenarios;
 - (v) the possibility of asymmetrical effects of negative interest rates on the bank's assets and liabilities;
- (D) when the bank develops its interest rate shock and stress scenarios for its exposure to interest rate risk in the banking book-
- (i) the scenarios-
 - (aa) are sufficiently wide-ranging to identify parallel and non-parallel gap risk, basis risk and option risk;
 - (bb) are both sufficiently severe and plausible, in light of the existing level of interest rates and the interest rate cycle;
 - (cc) include forward-looking scenarios that incorporate-
 - (i) changes in portfolio composition due to factors under the control of the bank, such as, for example, the bank's acquisition and production plans, as well as external factors, such as, for example, changing competitive, legal or tax environments;
 - (ii) new products where only limited historical data are available;
 - (iii) new market information and new emerging risks that are not necessarily covered by historical stress episodes;
 - (ii) the bank duly considers material concentrations in instruments or markets, since it is more difficult to liquidate or offset concentrated positions in a stressful market environment;
 - (iii) the bank clearly specifies the term structure of interest rates that will be incorporated and the basis relationship between the relevant yield curves, rate indices, etc.;
 - (iv) the bank estimates how interest rates administered or managed by management, such as, for example, prime rates or retail deposit rates, as opposed to those that are purely market driven, might change;
 - (v) the bank duly assesses-
 - (aa) the possible interaction between its exposure to interest rate risk in the banking book and other related risks, as well as any other relevant risks, such as, for example, credit risk and liquidity risk;

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- (bb) the effect of adverse changes in the spreads of new assets or liabilities replacing assets or liabilities that mature over the horizon of the bank's forecast of its net interest income (NII);
 - (vi) the bank duly documents all relevant assumptions;
 - (E) when the bank is exposed to significant option risk, the aforementioned scenarios include scenarios that appropriately capture the exercise of such options.

 For example, when the bank has products with sold caps or floors, the bank shall include scenarios that assess how the risk positions would change should those caps or floors move into the money.
 - (F) the bank performs qualitative and quantitative reverse stress tests in order to, at least-
 - (i) identify interest rate scenarios that could severely threaten the bank's capital and earnings; and
 - (ii) reveal vulnerabilities arising from the bank's hedging strategies and the potential behavioural reactions of its customers.”;
- (e) by the insertion of the following subregulation (6):
- “(6) Matters related to behavioural and modelling assumptions
- (a) Since both the economic value and earnings-based measures of a bank's exposure to interest rate risk in the banking book are likely to be significantly impacted by assumptions made for risk quantification purposes, the bank-
 - (i) shall obtain the prior written approval of its board of directors or a board-approved committee in respect of any material behavioural assumptions or adjustments made in the measurement of the bank's exposure to interest-rate risk in the banking book;
 - (ii) shall ensure that its modelling assumptions are at least conceptually sound, reasonable and consistent with historical experience;
 - (iii) shall periodically perform sensitivity analyses in respect of both economic value and earnings-based measures for all its key assumptions to monitor their impact on the bank's measured exposure to interest rate risk in the banking book;
 - (iv) shall on a sufficiently frequent basis test the appropriateness of all its key behavioural and measurement assumptions.

Since market conditions, competitive environments and strategies change over time, the bank shall review significant measurement assumptions at least annually, or more frequently during rapidly changing market conditions.

For example, when the competitive market has changed such that consumers have lower transaction costs available to them for refinancing their residential mortgages, prepayments may become more sensitive to smaller changes in interest rates.

 - (v) shall consider, among others, the materiality of the impact of behavioural optionalities within floating rate loans, since the behaviour of prepayments arising from embedded caps and floors may have a material impact on the bank's economic value of equity;
 - (vi) shall duly document-

- (A) all material assumptions made underlying the bank's exposure to interest rate risk in the banking book;
- (B) all changes made over time to the assumptions related to key parameters;
- (C) how the assumptions may potentially affect the bank's hedging strategies;

Provided that on prior written request, the bank shall in writing provide to the Authority any relevant required information relating to the assumptions or adjustments approved by the bank's board of directors or board-approved committee in respect of the bank's exposure to interest-rate risk in the banking book.

- (b) The assumptions envisaged in paragraph (a) hereinbefore may, for example, related to-
 - (i) the volume and type of-
 - (A) new or replacement assets and liabilities expected to be originated over the time period that the bank assesses its exposure to interest rate risk in the banking book;
 - (B) asset and liability redemptions or reductions over the time period that the bank assesses its exposure to interest rate risk in the banking book;
 - (ii) the interest rate bases and margins associated-
 - (A) with the aforementioned new assets and liabilities; and
 - (B) with assets and liabilities redeemed or withdrawn;
 - (iii) the impact of any fees collected and/ or paid for the exercise of options;
 - (iv) expectations for the exercise of explicit and/ or embedded interest rate options, by both the bank and its customers, under specific interest rate shock and stress scenarios;
 - (v) the treatment of balances and interest flows arising from non-maturity deposits;
 - (vi) the treatment of the implied investment term of own equity;
 - (vii) the implications of accounting practices for the measurement of the bank's exposure to interest rate risk in the banking book;
 - (viii) business growth;
 - (ix) product mix; or
 - (x) how an instrument's actual maturity or repricing behaviour may differ from the instrument's contractual terms, as a result of behavioural optionalities,
- (c) A bank shall ensure that its exposure to behavioural optionalities in its respective products and portfolios is well understood, at least by the bank's board of directors and senior management, which products, portfolios and behavioural optionalities, for example, may include or relate to-
 - (i) the bank's fixed rate loans subject to prepayment risk

As such, the bank shall ensure that-

 - (A) it makes reasonable and prudent estimates in respect of any expected prepayment risk;
 - (B) it understands-

- (i) the nature of prepayment risk in relation to its respective products and portfolios;
- (ii) the factors that were applied in estimating the effect of each interest rate shock and stress scenario on the average prepayment speed;
- (C) it duly assesses the expected average prepayment speed under each relevant scenario;
- (D) it duly documents the assumptions underlying the said estimates and where prepayment penalties or other contractual features affect the embedded optionalities.
- (ii) the bank's fixed rate loan commitments in respect of which the bank, for example, may sell options to retail customers, such as prospective mortgage buyers in terms of which, for a limited period, the customers may choose to draw down a loan at a committed rate;
- (iii) the bank's term deposits subject to early redemption risk, that is, the bank may, for example, attract deposits with a contractual maturity term or with step-up clauses that enable the relevant depositors at different time periods to modify the speed of redemption.

As such, the bank shall duly document whether a term deposit, for example, is subject to redemption penalties or to other contractual features that preserve the cash flow profile of the instrument.

- (iv) non-maturity deposits in respect of which the bank's behavioural assumptions relating to a specific repricing date may have a material impact on the bank's exposure to interest rate risk in the banking book, under both the economic value and the earnings-based measures.

As such, the bank must-

- (A) duly document, monitor and regularly update the respective key assumptions made in relation to its non-maturity deposits and the behaviour applied in the bank's risk measurement and information systems, which assumptions may vary according to-
 - (i) depositor characteristics, such as, for example, retail deposits versus wholesale deposits; and
 - (ii) account characteristics, such as, for example, transactional versus non-transactional deposits or funding;
- (B) analyse its depositor base in order to identify, among others, the relevant proportion of core deposits which are unlikely to reprice even under significant changes in the interest rate environment;
- (d) Based upon, among others, the respective requirements specified in paragraph (c) hereinbefore, the bank shall carefully consider how the exercise of behavioural optionalities may vary not only under a particular interest rate shock or stress scenario but also across other dimensions, such as, for example, in relation to the product or portfolio dimensions envisaged in table 1 below:

Table 1

Product	Dimensions influencing the exercise of the embedded behavioural options
Fixed rate loans subject to prepayment risk	When the bank models prepayment behaviour, the bank must consider- (a) loan size, loan-to-value (LTV) ratio, borrower characteristics, contractual interest rates, seasoning, geographical location, original and remaining maturity, and other historical factors; (b) other macroeconomic variables such as stock indices, unemployment rates, GDP, inflation and housing price indices.
Fixed rate loan commitments	(a) Borrower characteristics, geographical location (including competitive environment and local premium conventions), customer relationship with the bank as evidenced by cross-products, remaining maturity of the commitment, seasoning and remaining term of the mortgage.
Term deposits subject to early redemption risk	When the bank models deposit redemption behaviour the bank must consider- (a) deposit size, depositor characteristics, funding channel, such as direct or brokered deposit, contractual interest rates, seasonal factors, geographical location and the competitive environment, remaining maturity and other historical factors; (b) other relevant macroeconomic variables such as stock indices, unemployment rates, GDP, inflation and housing price indices.
Non-maturity deposits	(a) Responsiveness of product rates to changes in market interest rates, current level of interest rates, spread between a bank's offer rate and market rate, competition from other banks, the bank's geographical location and demographic and other relevant characteristics of its customer base.

- (e) A bank shall maintain an appropriate audit trail in respect of the data underlying the base models used for the completion of the form BA 330, which audit trail-
- (i) shall include a comprehensive reconciliation between the relevant amounts of assets and liabilities included in the bank's management and board reports and the relevant assets and liabilities relating to banking activities respectively included in the forms BA 330 and BA 100;
 - (ii) shall duly explain any relevant reconciliation differences;
 - (iii) on prior written request, shall be submitted in writing to the Authority.”;
- (f) by the insertion of the following subregulation (7):

“(7) Matters related to the bank's Internal Capital Adequacy Assessment Process (ICAAP)

Based upon, among others, the relevant requirements specified in regulation 38 read with regulation 39, a bank shall ensure that-

- (a) its overall levels of qualifying capital and reserve funds and required capital and reserve funds are commensurate with-
 - (i) the bank's actual measured level of all relevant material exposures to risk, including the bank's exposure to interest rate risk in the banking book; and
 - (ii) the bank's board-approved risk appetite;

- (b) the assessment, measurement and stress testing of the bank's exposure to interest rate risk in the banking book form an integral part of the bank's ICAAP;
- (c) the contribution of the bank's exposure to interest rate risk in the banking book to the overall internal capital assessment is based upon, among others, all relevant outputs from the bank's risk management framework and systems, appropriately taking into account all relevant key assumptions and risk limits;
- (d) the methodology and approach implemented by the bank for capital allocation duly take into consideration, among others-
 - (i) the bank's risk appetite for exposure to interest rate risk in the banking book;
 - (ii) the composition, respective aggregate amounts and quality of the bank's qualifying capital and reserve funds;
 - (iii) all relevant material risks to the bank's economic value, that are embedded in the bank's assets, liabilities and off-balance sheet items;
 - (iv) the adequacy of the bank's capital buffers given the potential risk to future earnings, that is, the possibility that the bank's future earnings may be lower than expected;
- (e) as an integral part of its capital adequacy assessment in relation to interest rate risk in the banking book, the bank also duly considers, among others-
 - (i) the size and tenor of all relevant internal limits, and whether those limits are/ were ever reached at the point of calculating the relevant required amount of capital and reserve funds;
 - (ii) the effectiveness and expected cost of hedging open positions that are intended to take advantage of internal expectations of the future level of interest rates;
 - (iii) the sensitivity of internal measures of the bank's exposure to interest rate risk in the banking book to key modelling assumptions;
 - (iv) the impact of shock and stress scenarios on positions priced off different interest rate indices, that is, the bank's respective exposures to basis risk;
 - (v) the impact on economic value and NII of material mismatched positions in different currencies;
 - (vi) the distribution of required capital relative to risks-
 - (A) associated with key business lines; and
 - (B) across legal entities that form part of the bank's capital consolidation for the group,
 in addition to the adequacy of the bank or controlling company's overall capital on a consolidated basis;
 - (vii) the respective key drivers of the respective underlying risks; and
 - (viii) the circumstances under which the respective material exposures to risk are likely to crystallise.";
- (g) by the insertion of the following subregulation (8):
 - "(8) Matters related to internal validation
 - (a) A bank shall have in place an effective validation framework and a formal board-approved

policy related to the validation of the bank's measurement methods and assessment of the corresponding model risk in respect of the bank's exposure to interest rate risk in the banking book-

- (i) which validation framework, as a minimum, shall include the core elements specified below:
 - (A) an evaluation of conceptual/methodological soundness, including developmental evidence;
 - (B) ongoing model monitoring, including process verification and benchmarking; and
 - (C) outcomes analysis, including backtesting of key internal parameters, such as, for example, stability of deposits, prepayments, early redemptions and the pricing of instruments;
- (ii) which board-approved policy, as a minimum-
 - (A) shall clearly specify-
 - (i) the respective roles and responsibilities of the senior management or ALCO in relation to the management of the bank's exposure to interest rate risk in the banking book;
 - (ii) all relevant model oversight responsibilities as well as responsibilities for policies, including the development of initial and ongoing validation procedures, evaluation of results, approval, change and version control, exception, escalation, modification and decommission processes;
 - (B) shall clearly designate the respective responsibilities for the development, implementation and use of all the relevant models;
 - (C) shall be reviewed by the board of directors or the ALCO to which the board may have delegated the relevant specified responsibilities, on a sufficiently frequent basis;
 - (D) shall be sufficiently granular and robust to ensure that-
 - (i) an appropriate hierarchical process is established and maintained to determine model risk soundness based upon both quantitative and qualitative dimensions, such as size, impact, past performance and familiarity with the modelling technique employed;
 - (ii) the management process related to model risk and interest rate risk measures follows a holistic approach that commences with proper motivation, development and implementation by model owners and users;
 - (iii) prior to receiving authorisation for usage, the process for determining model inputs, assumptions, modelling methodologies and outputs is reviewed and validated independently of the development of the interest rate risk models;
 - (iv) all relevant review and validation results, and any recommendations on model usage, are presented to and approved by the bank's board of directors or its relevant delegates;
 - (v) upon approval, the model is subject to ongoing review, process verification and validation at a frequency consistent with the level of model risk determined and approved by the bank's board of

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directors;

- (vi) the bank's ongoing validation process establishes an appropriate set of exception trigger events that oblige the model reviewers to duly inform the bank's board of directors or its delegates, in a timely manner, in order to determine appropriate corrective actions and/or restrictions on model usage;
- (vii) clear version control authorisations are designated, where appropriate, to model owners;
- (viii) the bank's validation process includes models developed by third-party vendors and all model inputs or assumptions sourced from related modelling processes or sub-models;
- (ix) all relevant model specification choices are duly documented and appropriately explained as part of the bank's validation process;
- (x) when the bank purchased an interest rate risk model, the bank duly documents the model's use, including any relevant customisation;
- (xi) when vendors provide input for market data, behavioural assumptions or model settings, the bank has in place a sufficiently robust process to determine whether those inputs are reasonable, given the bank's business and the risk characteristics related to its products, markets and activities.”;

(h) by the insertion of the following subregulation (9):

“(9) Matters related to disclosure

(a) In addition to and without derogating from any disclosure requirements related to a bank's exposure to interest rate risk in the banking book specified-

- (i) in paragraph (b) below;
- (ii) in paragraph (c) below; or
- (iii) in writing by the Authority,

a bank shall from the relevant date and in accordance with such requirements or conditions as may be determined in writing by the Authority disclose to the public, on a sufficiently detailed and regular basis-

- (A) the relevant level of the bank's exposure to interest rate risk in the banking book;
- (B) the relevant measured amounts of ΔEVE and ΔNII under the relevant interest rate shock scenarios respectively envisaged in subregulations (5)(a)(iii)(H) and (5)(a)(iii)(I);
- (C) qualitative information to enable the public-
 - (i) to monitor the sensitivity of the bank's economic value and earnings to changes in interest rates;
 - (ii) to understand the primary assumptions underlying the bank's measurement of its exposure to interest rate risk in the banking book;
 - (iii) to have a reasonable understanding of the bank's overall objective and management of interest rate risk in the banking book,

Provided that in addition to the information required to be disclosed, as set out, for example, in paragraphs (b) and (c) below, the bank shall disclose to the public such additional information on the bank's internal measures of its exposure to interest rate risk in the banking book as the bank deems appropriate to assist the users of the information to better interpret or understand the relevant information required to be disclosed in terms of the relevant requirements specified in this regulation 30;

- (b) Based upon the relevant requirements specified in this paragraph (b), read with the relevant further directives or requirements set out in paragraph (c), a bank shall, as a minimum and at least on an annual basis, from the relevant date and in accordance with such requirements or conditions as may be determined in writing by the Authority, disclose to the public qualitative information related to the bank's risk management objectives and relevant policies related to its exposure to interest rate risk in the banking book, including-
- (i) a sufficiently detailed description of how the bank defines its exposure to interest rate risk in the banking book, for risk management, risk control and measurement purposes;
 - (ii) a sufficiently detailed description of the bank's overall management and mitigation strategies related to its exposure to interest rate risk in the banking book, such as, for example-
 - (A) the monitoring of EVE and NII in relation to any specified or established limits;
 - (B) the bank's hedging practices;
 - (C) the bank's process and conduct of stress testing;
 - (D) the bank's relevant outcomes analysis;
 - (E) the role of independent audit;
 - (F) the role and practices of the bank's ALCO;
 - (G) the bank's process and practices to ensure appropriate model validation;
 - (H) the bank's processes and practices to ensure timely updates in response to changing market conditions;
 - (iii) the periodicity with which the bank calculates or measures its exposure to interest rate risk in the banking book, and a description of the specific measures the bank uses to gauge its sensitivity to exposure to interest rate risk in the banking book;
 - (iv) a sufficiently detailed description of the interest rate shock and stress scenarios the bank uses to estimate changes in its economic value and in earnings;
 - (v) when the bank applies significant modelling assumptions to calculate, for example, EVE for purposes related to the bank's internal assessment of capital adequacy, and those modelling assumptions are different from the modelling assumptions envisaged in this paragraph (b) read with paragraph (c) below, the bank shall provide a sufficiently detailed description of those assumptions and of their directional implications, and explain the rationale for making those assumptions, such as, for example, historical data, published research or management judgment;
 - (vi) a high-level description of how the bank hedges its exposure to interest rate risk in the banking book, as well as the associated accounting treatment;
 - (vii) a high-level description of key modelling and parametric assumptions used in the calculation of ΔEVE and ΔNII referred to in paragraph (c) below, which include, for example-

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- (A) in the case of ΔEVE , whether commercial margins and other spread components have been included in or excluded from the cash flows used in the computation and discount rate used;
 - (B) how the average repricing maturity related to non-maturity deposits required to be disclosed in terms of the provisions of paragraph (c) below has been determined, including any unique product characteristics that affect assessment of repricing behaviour;
 - (C) the methodology used to estimate the prepayment rates of customer loans, and/or the early withdrawal rates for time deposits, and any other related significant assumptions;
 - (D) any other material assumptions, such as, for example, in the case of instruments with behavioural optionality that may have been excluded, that may have a material impact on the bank's disclosed ΔEVE and ΔNII envisaged in paragraph (c) below, including a sufficiently detailed explanation of why these are regarded as material;
 - (E) the bank's relevant method(s) of aggregation across currencies in which the bank has material positions or exposure and any significant interest rate correlations between the respective different currencies;
 - (F) such further information that the bank regards as sufficiently important for the interpretation of the significance and sensitivity of the bank's exposure measures related to interest rate risk in the banking book and/or an explanation of any significant variations in the level of the reported exposure to interest rate risk in the banking book since the bank's previous set of disclosures;
- (c) Based upon the relevant requirements specified in this paragraph (c), read with the relevant further directives or requirements set out in paragraph (b) above, a bank shall, as a minimum and at least on an annual basis, and concurrent with the publication of its annual financial statements, based upon the information as at the bank's financial year-end, from the relevant date and in accordance with such requirements or conditions as may be determined in writing by the Authority, disclose to the public the relevant quantitative information related to its exposure to interest rate risk in the banking book, in the format set out below, provided that, unless specifically otherwise provided, a bank shall base any relevant quantitative information required to be disclosed in terms of the provisions of this paragraph (c) on the daily or monthly average for the year whenever an average number is required to be disclosed; or in relevant cases, on the data as at the relevant reporting date:
- (i) In respect of each of the relevant interest rate shock scenarios respectively envisaged in subregulations (5)(a)(iii)(H) and (5)(a)(iii)(I), the bank shall report, in respect of the current reporting period and the period immediately preceding the current reporting period, in the format specified below,
 - (A) based upon the bank's internal management information systems or the standardised framework set out in subregulation (5)(c) hereinbefore, as the case may be, the relevant change in the economic value of equity, using a run-off balance sheet and an instantaneous shock; and
 - (B) the change in projected NII over a forward-looking rolling 12-month period compared with the bank's own best estimate 12-month projections, using a constant balance sheet assumption and an instantaneous shock:

That is:

In reporting currency	ΔEVE		ΔNII	
Period	T	T-1	T	T-1
Parallel up				
Parallel down				
Steeper				
Flattener				
Short rate up				
Short rate down				
Maximum				
Period	T		T-1	
Tier 1 capital				

Provided that, in all relevant cases, the bank shall also provide a sufficiently comprehensive explanation of any material changes since the previous reporting period.

(ii) In the case of the bank's non-maturity deposits-

(A) the average repricing maturity assigned to the relevant non-maturity deposits; and

(B) the longest repricing maturity assigned to the relevant non-maturity deposits.”;

(i) by the renumbering of the current subregulation (5) as subregulation (10);

(j) by the substitution of the entire renumbered subregulation (10), previously subregulation (5), with the following subregulation (10):

“(10) A bank shall complete the form BA 330 in accordance with such requirements or instructions as may be issued or directed in writing by the Authority.”.

Amendment of regulation 39 of the Regulations

4. Regulation 39 of the Regulations is hereby amended:

(a) by the substitution for subregulation (1) of the following subregulation:

“(1) The board of directors of a bank is ultimately responsible for ensuring that an adequate and effective process of corporate governance, which is consistent with the nature, size, complexity and risk inherent in the bank's on-balance sheet and off-balance sheet activities and that appropriately responds to changes in the bank's environment and conditions, is established and maintained, provided that the board of directors may appoint supporting committees to assist it with its respective responsibilities.”;

(b) by the substitution for subregulation (2) of the following subregulation:

“(2) The process of corporate governance referred to in subregulation (1) includes the maintenance of effective risk management, capital management and liquidity management by a bank.”;

(c) by the substitution in subregulation (4) for the introductory words preceding paragraph (a) of the following introductory words:

“(4) In order to achieve the objective relating to the maintenance of effective risk management, capital management and liquidity management envisaged in subregulation (2), every bank shall have in place comprehensive and sufficiently integrated risk-management processes, practices and procedures, and board-approved policies-”.

Amendment of regulation 67 of the Regulations

5. Regulation 67 of the Regulations is hereby amended:

- (a) by the insertion after the definition of “associate” of the following definition:

“**automatic option risk**” in relation to interest rate risk in the banking book means the risk that arises from-

- (a) standalone instruments, such as, for example, exchange-traded or over-the-counter option contracts; or
- (b) contractual terms explicitly embedded within an otherwise standard financial instrument, such as, for example, a capped rate loan;”;

- (b) by the insertion after the definition of “Basel III” of the following definition:

“**basis risk**” in relation to interest rate risk in the banking book means the risk that arises from-

- (a) the impact of relative changes in interest rates for financial instruments or positions with similar tenors but that are priced or repriced based upon different interest rate indices or bases;
- (b) the imperfect correlation in the adjustment of the rates earned and the rates paid on different instruments with otherwise similar rate change characteristics;”;

- (c) by the insertion after the definition of “basis transaction” of the following definition:

“**behavioural option risk**” in relation to interest rate risk in the banking book means the risk that arises from flexibility embedded implicitly or otherwise within the terms of financial contracts, such that a change in interest rates may effect a change in the behaviour of the bank’s clients, such as, for example, the right of borrowers to prepay their loans earlier, with or without penalty, or the right of depositors to withdraw their deposits earlier, in search of a higher yield;”;

- (d) by the insertion after the definition of “credit-linked note” of the following definition:

“**credit spread risk in the banking book**” is a risk related to interest rate risk in the banking book, that includes any type of asset/ liability spread risk of instruments with inherent credit risk related characteristic that is not fully explained by interest rate risk in the banking book or by the relevant expected credit/jump to default risk;”;

- (e) by the insertion after the definition of “funded credit-derivative instrument” of the following definition:

“**gap risk**” in relation to interest rate risk in the banking book means the risk that arises from-

- (a) the term structure of a bank’s banking book instruments or positions; and
- (b) the timing of rate changes in respect of the said instruments or positions,

the extent of which in turn is influenced by whether changes to the term structure of interest rates occur-

- (i) consistently across the yield curve, which is often being referred to as parallel risk, or
- (ii) differentially by period, which is often being referred to as non-parallel risk;”;

- (f) by the substitution for the definition of “insurer” of the following definition:

“**insurer**” in relation to the institutional and maturity breakdown of liabilities and assets means any privately or publicly incorporated mutual or other entity established in terms of the Insurance Act, 2017 (Act No 18 of 2017) read with the Long-term Insurance Act, 1998 (Act No 52 of 1998) or the Short-term Insurance Act, 1998 (Act No 53 of 1998), the principal function of which is to provide life, accident, fire or other forms of insurance to individual institutional units or groups of units;”;

- (g) by the insertion after the definition of “insurer” of the following definition:

“**interest rate risk in the banking book**” means the current or prospective risk to a bank’s capital and reserve funds and/ or earnings arising from adverse movements in interest rates affecting the bank’s banking book positions-

- (a) that is, when interest rates change-
- (i) the present value and timing of the bank’s respective future cash flows change, which commensurately changes the underlying value of the bank’s assets, liabilities and off-balance sheet items, and hence its economic value;
 - (ii) the bank’s earnings is affected since the bank’s interest rate-sensitive income and expense items change accordingly, which affects the bank’s net interest income (NII).
- (b) which risk shall for purposes of these Regulations be deemed to consist of a minimum of three sub-risk categories, namely gap risk, basis risk and optionality risk;”;

- (h) by the insertion after the definition of “operational risk” of the following definition:

“**option risk**” in relation to interest rate risk in the banking book-

- (a) means the risk that arises from option derivative positions or optional elements embedded within the bank’s assets, liabilities and/or off-balance sheet items, in respect of which either the bank or a customer of the bank can alter the level and timing of the relevant related cash flows;
- (b) may be subdivided into automatic option risk and/ or behavioural option risk;”.

6. **Date of commencement**

These Regulations shall come into operation on 1 January 2023.

Annexure A

INTEREST RATE RISK: BANKING BOOK

(Confidential and not available for inspection by the public)

Name of bank:

Month ended:(yyyy-mm-dd)

BA330
Monthly

(All amounts to be rounded off to the nearest R000)

Contractual static repricing gap	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	More than 12 months to 3 years	More than 3 years to 5 years	More than 5 years to 10 years	More than 10 years	Non-rate sensitive items	Total
Assets (total of items 2 to 6)	1	1	2	3	4	5	6	7	8	9	10	11
Variable rate items	2											
Fixed rate items	3											
Benchmark rate items	4											
Discretionary rate items	5											
Other assets	6											
Liabilities and capital and reserve funds (total of items 8 to 12)	7											
Variable rate items	8											
Fixed rate items	9											
Benchmark rate items	10											
Discretionary rate items	11											
Other liabilities	12											
Net funding to / (from) trading book	13											
Net funding to / (from) foreign branches	14											
Net static gap, excluding derivative instruments (item 1 minus item 7 plus items 13 and 14)	15											
Net impact of derivative instruments held in the banking book (total of items 17 - 20)	16											
of which: pay fixed and receive floating	17											
of which: receive fixed and pay floating	18											
of which: pay floating and receive floating	19											
Other	20											
Net static gap, including derivative instruments (item 15 and 16)	21											
Cumulative static gap, including derivative instruments	22											

(All amounts to be rounded off to the nearest R000)

Behavioural static repricing gap	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	More than 12 months to 3 years	More than 3 years to 5 years	More than 5 years to 10 years	More than 10 years	Non-rate sensitive items	Total
Assets (total of items 24 to 28)	23	1	2	3	4	5	6	7	8	9	10	11
Variable rate items	24											
Fixed rate items	25											
Benchmark rate items	26											
Discretionary rate items	27											
Other assets	28											
Liabilities and capital and reserve funds (total of items 30 to 34)	29											
Variable rate items	30											
Fixed rate items	31											
Benchmark rate items	32											
Discretionary rate items	33											
Other liabilities	34											
Net funding to / (from) trading book	35											
Net funding to / (from) foreign branches	36											
Net static gap, excluding derivative instruments (item 23 minus item 29 plus items 35 and 36)	37											
Net impact of derivative instruments held in the banking book (total of items 39 - 42)	38											
of which: pay fixed and receive floating	39											
of which: receive fixed and pay floating	40											
of which: pay floating and receive floating	41											
Other	42											
Net static gap, including derivative instruments (items 37 and 38)	43											
Cumulative static gap, including derivative instruments	44											

(All amounts to be rounded off to the nearest R'000)

Contractual interest rate sensitivity: banking book impact on Net Interest Income (NII)	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	Cumulative total for 12 months
		1	2	3	4	5	6
Net NII impact, excluding derivative instruments							
Parallel shock up	45						
Parallel shock down	46						
Net NII impact, including derivative instruments							
Parallel shock up	47						
Parallel shock down	48						
Percentage impact of a parallel rate shock on Tier 1 Capital							
Parallel shock up	49						
Parallel shock down	50						
Percentage impact of a parallel rate shock on forecast NII							
Parallel shock up	51						
Parallel shock down	52						
Impact of adverse change in specified key rates							
Adverse impact	53						
Adverse correlated risk shock							
NII impact: bank specific shock with assumptions	54						
NII impact: bank specific shock - % of 12 month forecast NII	55						

(All amounts to be rounded off to the nearest R'000)

Behavioural interest rate sensitivity: banking book impact on Net Interest Income (NII)	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	Cumulative total for 12 months
		1	2	3	4	5	10
Net NII impact, excluding derivative instruments							
Parallel shock up	56						
Parallel shock down	57						
Net NII impact, including derivative instruments							
Parallel shock up	58						
Parallel shock down	59						
Percentage impact of a parallel rate shock on Tier 1 Capital							
Parallel shock up	60						
Parallel shock down	61						
Percentage impact of a parallel rate shock on forecast NII							
Parallel shock up	62						
Parallel shock down	63						
Impact of adverse change in specified key rates							
Adverse impact	64						
Adverse correlated risk shock							
NII impact: bank specific shock with assumptions	65						
NII impact: bank specific shock - % of 12 month forecast NII	66						

(All amounts to be rounded off to the nearest R'000)

Contractual Change in the economic value of equity	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	More than 12 months to 3 years	More than 3 years to 5 years	More than 5 years to 10 years	More than 10 years	Total- Including Derivatives	Total- Excluding Derivatives
		1	2	3	4	5	6	7	8	9	10	11
Total assets	67											
Total liabilities	68											
Net gap	69											
Base economic value of equity	70											
Parallel shock up	71											
Parallel shock down	72											
Steeper	73											
Flatter	74											
Short rate up	75											
Short rate down	76											

(All amounts to be rounded off to the nearest R'000)

Behavioural Change in the economic value of equity	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	More than 12 months to 3 years	More than 3 years to 5 years	More than 5 years to 10 years	More than 10 years	Total- Including Derivatives	Total- Excluding Derivatives
	77	1	2	3	4	5	6	7	8	9	10	11
Total assets	78											
Total liabilities	79											
Net gap	80											
Base economic value of equity	81											
Parallel shock up	82											
Parallel shock down	83											
Steeper	84											
Flatter	85											
Short rate up	86											
Short rate down												

Discount curves

Term Structure of discount curve	Discount curves																			
	Line no.	Overnight	1M	3M	6M	12M	2Y	3Y	4Y	5Y	6Y	7Y	8Y	9Y	10Y	12Y	15Y	20Y	25Y	More than 25 years
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Base curve	87																			
Parallel shock up	88																			
Parallel shock down	89																			
Steeper	90																			
Flattener	91																			
Short rate up	92																			
Short rate down	93																			

(All amounts to be rounded off to the nearest R'000)

Contractual Supervisory outlier test	Line no.	Total- Including Derivatives	Total- Excluding Derivatives
	94	1	2
Maximum	95		
Tier 1 capital	96		
Max (loss) % of Tier 1 Capital			

(All amounts to be rounded off to the nearest R'000)

Behavioural Supervisory outlier test	Line no.	Total- Including Derivatives	Total- Excluding Derivatives
	97	1	2
Maximum	98		
Tier 1 capital	99		
Max (loss) % of Tier 1 Capital			

ZAR

Percentages per annum

Interest-rate forecast

Interest rate in month of reporting within (period):	Scenario probability (%)	Current rate	1 month	2 months	3 months	6 months	12 months
	1	2	3	4	5	6	7
Forecast for central bank main reference rate:							
Base case	100						
Bearish case	101						
Bullish case	102						

MATERIAL FOREIGN CURRENCY REPORTING

(All amounts to be rounded off to the nearest R000)

Contractual static repricing gap	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	More than 12 months to 3 years	More than 3 years to 5 years	More than 5 years to 10 years	More than 10 years	Non-rate sensitive items	Total
		1	2	3	4	5	6	7	8	9	10	11
Assets (total of items 104 to 108)	103											
Variable rate items	104											
Fixed rate items	105											
Benchmark rate items	106											
Discretionary rate items	107											
Other assets	108											
Liabilities and capital and reserve funds (total of items 110 to 114)	109											
Variable rate items	110											
Fixed rate items	111											
Benchmark rate items	112											
Discretionary rate items	113											
Other liabilities	114											
Net funding to / (from) trading book	115											
Net funding to / (from) foreign branches	116											
Net static gap, excluding derivative instruments (item 103 minus item 109 plus items 115 and 116)	117											
Net impact of derivative instruments held in the banking book (total of items 119 - 122)	118											
of which: pay fixed and receive floating	119											
of which: receive fixed and pay floating	120											
of which: pay floating and receive floating	121											
Other	122											
Net static gap, including derivative instruments (item 117 and 118)	123											
Cumulative static gap, including derivative instruments	124											
BEHAVIOURAL												

(All amounts to be rounded off to the nearest R000)

Behavioural static repricing gap	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	More than 12 months to 3 years	More than 3 years to 5 years	More than 5 years to 10 years	More than 10 years	Non-rate sensitive items	Total
		1	2	3	4	5	6	7	8	9	10	11
Assets (total of items 126 to 130)	125											
Variable rate items	126											
Fixed rate items	127											
Benchmark rate items	128											
Discretionary rate items	129											
Other assets	130											
Liabilities and capital and reserve funds (total of items 132 to 136)	131											
Variable rate items	132											
Fixed rate items	133											
Benchmark rate items	134											
Discretionary rate items	135											
Other liabilities	136											
Net funding to / (from) trading book	137											
Net funding to / (from) foreign branches	138											
Net static gap, excluding derivative instruments (item 125 minus item 131 plus items 137 and 138)	139											
Net impact of derivative instruments held in the banking book (total of items 141 - 144)	140											
of which: pay fixed and receive floating	141											
of which: receive fixed and pay floating	142											
of which: pay floating and receive floating	143											
Other	144											
Net static gap, including derivative instruments (item 139 and 140)	145											
Cumulative static gap, including derivative instruments	146											

(All amounts to be rounded off to the nearest R000)

Contractual interest rate sensitivity: banking book impact on Net Interest Income (NII)	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	Cumulative total for 12 months
Net NII impact, excluding derivative instruments		1	2	3	4	5	6
Parallel shock up	147						
Parallel shock down	148						
Net NII impact, including derivative instruments							
Parallel shock up	149						
Parallel shock down	150						
Percentage impact of a parallel rate shock on Tier 1 Capital							
Parallel shock up	151						
Parallel shock down	152						
Percentage impact of a parallel rate shock on forecast NII							
Parallel shock up	153						
Parallel shock down	154						
Adverse correlated risk shock							
NII impact: bank specific shock with assumptions	155						
NII impact: bank specific shock - % of 12 month forecast NII	156						

(All amounts to be rounded off to the nearest R000)

Behavioural interest rate sensitivity: banking book impact on Net Interest Income (NII)	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	Cumulative total for 12 months
Net NII impact, excluding derivative instruments		1	2	3	4	5	6
Parallel shock up	157						
Parallel shock down	158						
Net NII impact, including derivative instruments							
Parallel shock up	159						
Parallel shock down	160						
Percentage impact of a parallel rate shock on Tier 1 Capital							
Parallel shock up	161						
Parallel shock down	162						
Percentage impact of a parallel rate shock on forecast NII							
Parallel shock up	163						
Parallel shock down	164						
Adverse correlated risk shock							
NII impact: bank specific shock with assumptions	165						
NII impact: bank specific shock - % of 12 month forecast NII	166						

(All amounts to be rounded off to the nearest R000)

Contractual Change in the economic value of equity	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	More than 12 months to 3 years	More than 3 years to 5 years	More than 5 years to 10 years	More than 10 years	Total- Including Derivatives	Total- Excluding Derivatives
		1	2	3	4	5	6	7	8	9	10	11
Total assets	167											
Total liabilities	168											
Net gap	169											
Base economic value of equity	170											
Parallel shock up	171											
Parallel shock down	172											
Stepener	173											
Flatterer	174											
Short rate up	175											
Short rate down	176											

(All amounts to be rounded off to the nearest R000)

Behavioural Change in the economic value of equity	Line no.	Overnight	2 days to 1 month	More than 1 month to 3 months	More than 3 months to 6 months	More than 6 months to 12 months	More than 12 months to 3 years	More than 3 years to 5 years	More than 5 years to 10 years	More than 10 years	Total- Including Derivatives	Total- Excluding Derivatives
	1	1	2	3	4	5	6	7	8	9	10	11
Total assets	177											
Total liabilities	178											
Net gap	179											
Base economic value of equity	180											
Parallel shock up	181											
Parallel shock down	182											
Steeper	183											
Flatter	184											
Short rate up	185											
Short rate down	186											

Discount curves

Term Structure of discount curve	Line no.	Overnight	1M	3M	6M	12M	2Y	3Y	4Y	5Y	6Y	7Y	8Y	9Y	10Y	12Y	15Y	20Y	25Y	More than 25 years
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Base curve	187																			
Parallel shock up	188																			
Parallel shock down	189																			
Steeper	190																			
Flatter	191																			
Short rate up	192																			
Short rate down	193																			

(All amounts to be rounded off to the nearest R000)

Contractual Supervisory outlier test	Line no.	Total- Including Derivatives	Total- Excluding Derivatives
		1	2
Maximum	194		
Tier 1 capital	195		
Max (loss) % of Tier 1 Capital	196		

(All amounts to be rounded off to the nearest R000)

Behavioural Supervisory outlier test	Line no.	Total- Including Derivatives	Total- Excluding Derivatives
		1	2
Maximum	197		
Tier 1 capital	198		
Max (loss) % of Tier 1 Capital	199		
Currency denomination	200		
Hashtotal	201		

NATIONAL TREASURY**NO. 2901****23 December 2022**

I, E Godongwana, Minister of Finance, acting in terms of the Division of Revenue Act, 2022 (Act No. 5 of 2022), as amended, hereby publish in the attached Schedule -

- (a) stopping of allocations in respect of conditional allocations made to provinces under the Act; and
- (b) the re-allocation of stopped conditional allocations to certain provinces.

For ease of reference only and where applicable, the attached Schedule reflects the allocations published in the Division of Revenue Amendment Act, 2022 as Column A, stopping of allocations and re-allocations in Column B and the total adjusted allocations in Column C.

This Government Notice is set out as follows:

- Part 1: Conditional allocations; and
- Part 2: Explanatory memorandum relating thereto.



ENOCH GODONGWANA
MINISTER OF FINANCE

Date:

Explanatory Memorandum to the Provincial Allocations set out in the Schedule

This *Gazette* is published in terms of the Division of Revenue Act, 2022 (Act No. 5 of 2022), as amended, and provides information on adjustments to existing allocations to provinces in the 2022/23 financial year.

This is necessitated by the need to stop the flow of funds in terms of Section 18 of the Division of Revenue Act, 2022, as amended, and to re-allocate the stopped funds to provinces, as approved in terms of Section 19 of the Division of Revenue Act, 2022, as amended.

This *Gazette* therefore updates information that was published in the Division of Revenue Act, 2022.

This notice affects the National Health Insurance Grant

- a) In compliance with Section 18 of the Division of Revenue Act, 2022, as amended, the national Department of Health stops the transfer of funds to Eastern Cape (R7.475 million), Free State (R0.381 million) and Limpopo (R3.037 million), Northern Cape (R4.019 million), North West (R9.399 million) and Western Cape (R8.641 million) for the National Health Insurance Grant, following revised allocations by the national Department of Health.
- b) In compliance with Section 19 of the Division of Revenue Act, 2022, as amended, the national Department of Health re-allocates funds to Gauteng (R0.139 million), Mpumalanga (R13.447 million) and KwaZulu-Natal (R19.366 million), for the National Health Insurance Grant, following revised allocations by the national Department of Health.

SCHEDULE 5, PART A
SPECIFIC PURPOSE ALLOCATIONS TO PROVINCES

Vote	Name of allocation	Purpose	Type of allocation	Province	Column A	Column B	Column C
					2022/23 (Division of Revenue Act, 2022)	2022/23 Stopping and re- allocation after stopping of allocation	2022/23 Adjusted allocation
Health (Vote 18)	(d) National Health Insurance Grant	To expand the healthcare services benefits through the strategic purchasing of services from healthcare service providers	Conditional allocation	Eastern Cape	R'000	R'000	R'000
				Free State	128 484		
				Gauteng	28 404		
				KwaZulu-Natal	90 399		
				Limpopo	84 726		
				Mpumalanga	83 490		
				Northern Cape	69 428		
				North West	84 530		
				Western Cape	80 681		
				Western Cape	43 605		
				TOTAL	693 747		
			Less: Stopping of allocation in terms of Section 18 of the Division of Revenue Act, 2022 (Act No. 5 of 2022), as amended	Eastern Cape		- 7 475	
				Free State		- 381	
				Limpopo		- 3 037	
				Northern Cape		- 4 019	
				North West		- 9 399	
				Western Cape		- 8 641	
				TOTAL		- 32 952	
			Plus: Re-allocation after stopping of allocation in terms of Section 19 of the Division of Revenue Act, 2022 (Act No. 5 of 2022), as amended	Gauteng		139	
				KwaZulu-Natal		19 366	
				Mpumalanga		13 447	
				TOTAL		32 952	
			Revised allocations	Eastern Cape	128 484	- 7 475	121 009
				Free State	28 404	- 381	28 023
				Gauteng	90 399	139	90 538
				KwaZulu-Natal	84 726	19 366	104 092
				Limpopo	83 490	- 3 037	80 453
				Mpumalanga	69 428	13 447	82 875
				Northern Cape	84 530	- 4 019	80 511
				North West	80 681	- 9 399	71 282
				Western Cape	43 605	- 8 641	34 964
				TOTAL	693 747	-	693 747

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NO. 2902

23 December 2022

SECTION 12I TAX ALLOWANCE PROGRAMME

The Minister of Trade, Industry and Competition, Mr Ebrahim Patel - in terms of Section 12I (19) of the Income Tax Act, 1962 (Act 58 of 1962) as amended (herein after referred to as the Act) and the Regulations promulgated in the Government Gazette No. 33385 of 23 July 2010 - hereby publishes the decision **not to approve** an application received for the 12I Tax Allowance Programme.

Particulars of applicant

- Name of applicant: **Coega Fruit Terminal (Pty) Ltd.**
- **Coega Fruit Terminal (Pty) Ltd- Cold Store and Container Depot** is a **Fruit Cold Storage and Container Depot**. The project will invest a total of **R163 125 088**, with the value of qualifying manufacturing assets equal to **R156 425 088**.
- Description and costs of qualifying manufacturing assets:

Assets	Expected Date of Assets In Use	Value of Qualifying Assets (R)
Plant & Machinery	11 February 2021	156 425 088
Total Qualifying Assets		156 425 088

- On 19 March 2021, I as the **Minister of Trade, Industry and Competition**, endorsed the recommendation of the **12I Adjudication Committee** meeting of 6 March 2020 not to approve the application of **Coega Fruit Terminal (Pty) Ltd** as an Industrial Policy Project in terms of Section 12I of the Income Tax Act and the relevant Regulations.
- **Enquiries relating to this publication should be made to:**

The Secretariat: 12I Tax Allowance Programme
Department of Trade and Industry
Private Bag X84
PRETORIA
0001

For attention: Ms M Ngobeni
Telephone No.: 012 394 1016
Fax No.: 012 394 2016

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NO. 2903

23 December 2022

SECTION 12I TAX ALLOWANCE PROGRAMME

The Minister of Trade, Industry and Competition, Mr Ebrahim Patel - in terms of section 12I (19)d of the Income Tax Act, 1962 (Act 58 of 1962) as amended (herein after referred to as the Act) and the Regulations promulgated in the Government Gazette No. 33385 of 23 July 2010 - hereby publishes the decision to **approve** an application received for the 12I Tax Allowance Programme.

Particulars of applicant

- Name of applicant: **PG Bison (Pty) Ltd.**
- **PG Bison (Pty) Ltd – Medium Density Fibreboard Mega Plant** is a project to manufacture **Medium Density Fibreboard (MDF)**. The project will invest a total of **R1 333 333 000**, with the value of qualifying manufacturing assets equal to **R1 333 333 000**. The project is classifiable under **SIC 3221**.
- Description and costs of qualifying manufacturing assets:

Assets	Expected Date of Assets In Use	Value of Qualifying Assets (R)
Plant and Machinery	1 July 2023	R1 333 333 000
Total Qualifying Assets		R1 333 333 000

- Date of approval: **29 October 2021**.
- Envisaged date of commercial production: **1 July 2023**.
- Additional investment allowance benefit period: **October 2021 to October 2025**.
- **PG Bison (Pty) Ltd – Medium Density Fibreboard Mega Plant** is approved as a **Greenfield** project and awarded **6** points and afforded **Qualifying Status**.
- The approved amount for the additional **investment** allowance in respect of manufacturing assets to be brought into use by **PG Bison (Pty) Ltd** is **R466 666 550 (four hundred and sixty-six million six hundred and sixty-six thousand five hundred and fifty rand)**.
- The approved amount for the additional **training** allowance is **R1 836 000 (one million eight hundred and thirty-six thousand rand)**.
- Total potential national revenue to be forgone by virtue of deduction of the approved allowances **PG Bison (Pty) Ltd** will be **R131 180 714**.

Enquiries relating to this publication should be made to:

The Secretariat: 12I Tax Allowance Programme
Department of Trade, Industry and Competition
Private Bag X84
PRETORIA
0001

For attention:	Mamaki Ngobeni
Telephone No.:	012 394 1016
Fax No.:	012 394 2016

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NO. 2904

23 December 2022

SECTION 12I TAX ALLOWANCE PROGRAMME

The Minister of Trade and Industry, Mr Ebrahim Patel - in terms of Section 12I (19) of the Income Tax Act, 1962 (Act 58 of 1962) as amended (herein after referred to as the Act) and the Regulations promulgated in the Government Gazette No. 33385 of 23 July 2010 - hereby publishes the decision **not to approve** an application received for the 12I Tax Allowance Programme.

Particulars of applicant

- Name of applicant: Fuchs Lubricants SA (Pty) Ltd.
- Fuchs Lubricants SA (Pty) Ltd is manufacturer of lubricants and greases. The project planned to invest a total of **R263 421 014**, with the value of qualifying manufacturing assets equal to **R263 421 014**. The project is classifiable under **SIC (v7) 1920**.
- Description and costs of qualifying manufacturing assets:
- On 17 March 2021, I as the Minister of Trade, Industry and Competition, endorsed the recommendation of the 12I Adjudication Committee meeting of 04 August 2020 not to approve the application of Fuchs Lubricants SA (Pty) Ltd as an Industrial Policy Project in terms of Section 12I of the Income Tax Act and the relevant Regulations.

Enquiries relating to this publication should be made to:

The Secretariat: 12I Tax Allowance Programme
Department of Trade, Industry and Competition
Private Bag X84
PRETORIA
0001

For attention: Mr A Potgieter
Telephone No.: 012 394 1427

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NO. 2905

23 December 2022

SECTION 12I TAX ALLOWANCE PROGRAMME

The Minister of Trade, Industry and Competition, Mr Ebrahim Patel - in terms of section 12I (12)(a)(i)(b)(c) and (19)d of the Income Tax Act, 1962 (Act 58 of 1962) as amended (herein after referred to as the Act) and the Regulations promulgated in the Government Gazette No. 33385 of 23 July 2010 - hereby publishes the decision to **withdraw** the approval of an application received for the 12I Tax Allowance Programme.

Particulars of applicant

- Name of applicant: **Nautic Africa (Pty) Ltd**
- **Nautic Africa (Pty) Ltd- Flagship Vessel Production Facility** was approved as a Greenfield project and awarded 6 points and afforded Qualifying Status.
- The project would have invested a total of **R99 464 000**, with the value of qualifying manufacturing assets equal to **R63 464 000**.
- The approved amount for the additional **investment** allowance in respect of manufacturing assets brought into use by **Nautic Africa (Pty) Ltd - Flagship Vessel Production Facility** was **R22 212 400** and additional **training** allowance of **R7 704 000**, totalling **R29 916 400**.
- On **19 March 2021** the Minister of Trade, Industry and Competition endorsed the recommendation of the 12I Adjudication Committee meeting of **4 August 2020** to withdraw the approval of **Nautic Africa (Pty) Ltd - Flagship Vessel Production Facility** as an Industrial Policy Project in terms of Section 12I of the Act and the relevant Regulations.

Enquiries relating to this publication should be made to:

The Secretariat: 12I Tax Allowance Programme
Department of Trade, Industry and Competition
Private Bag X84
PRETORIA
0001

For attention: Ms M Ngobeni
Telephone No.: 012 394 1016
E-mail: Mamaki.Ngobeni@thedtic.gov.za

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NO. 2906

23 December 2022

SECTION 12I TAX ALLOWANCE PROGRAMME

The Minister of Trade, Industry and Competition, Mr Ebrahim Patel - in terms of section 12I (19)d of the Income Tax Act, 1962 (Act 58 of 1962) as amended (herein after referred to as the Act) and the Regulations promulgated in the Government Gazette No. 33385 of 23 July 2010 - hereby publishes the decision to **approve** an application received for the 12I Tax Allowance Programme.

Particulars of applicant

- Name of applicant: **Clover SA (Pty) Ltd.**
- **Clover SA (Pty) Ltd – Project Sencillo** is a project to manufacture **Dairy Products**. The project will invest a total of **R1 160 940 087**, with the value of qualifying manufacturing assets equal to **R1 160 940 087**. The project is classifiable under **SIC 3020**.
- Description and costs of qualifying manufacturing assets:

Assets	Value of Qualifying Assets (R)
Plant and Machinery	R1 025 346 320
Buildings	135 593 767
	R1 160 940 087

- Date of approval: **31 March 2021**.
- Envisaged date of commercial production: **31 December 2021**.
- Additional investment allowance benefit period: **31 March 2021 to 31 March 2025**.
- **Clover SA (Pty) Ltd – Project Sencillo** is approved as a **Brownfield** project and awarded **8** points and afforded **Preferred Status**.
- The approved amount for the additional **investment** allowance in respect of manufacturing assets to be brought into use by **Clover SA (Pty) Ltd** is **R550 000 000** (five hundred and fifty million rand).
- The approved amount for the additional **training** allowance is **R19 642 000** (nineteen million six hundred and forty-two thousand rand).
- Total potential national revenue to be forgone by virtue of deduction of the approved allowances **Clover SA (Pty) Ltd** will be **R159 499 760**.

Enquiries relating to this publication should be made to:

The Secretariat: 12I Tax Allowance Programme
Department of Trade and Industry
Private Bag X84
PRETORIA
0001

For attention: Mamaki Ngobeni
Telephone No.: 012 394 1016
Fax No.: 012 394 2016

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NO. 2907

23 December 2022

SECTION 12I TAX ALLOWANCE PROGRAMME

The Minister of Trade and Industry, Mr Ebrahim Patel, in terms of section 12I(12)(a)(i)(aa) and (19)d of the Income Tax Act, 1962 (Act 58 of 1962) as amended (herein after referred to as the Act) and the Regulations promulgated in the Government Gazette No. 33385 of 23 July 2010 - hereby publishes the decision to **withdraw** the approval of an application received for the 12I Tax Allowance Programme.

Particulars of applicant

- Name of applicant: Tongaat Hulett Ltd.
- Tongaat Hulett Ltd was approved as a Brownfield project and awarded 7 points and afforded Preferred Status.
- The project would have invested a total of R525 000 000.
- The approved amount for the additional investment allowance in respect of manufacturing assets brought into use by Tongaat Hulett Ltd was R288 750 000 and additional training allowance of R2 376 000, totalling R291 126 000.
- On 12 October 2020 the Minister of Trade and Industry endorsed the recommendation of the 12I Adjudication Committee meeting of 10 February 2020 to withdraw the approval of Tongaat Hulett Ltd as an Industrial Policy Project in terms of Section 12I of the Act and the relevant Regulations.

Enquiries relating to this publication should be made to:

The Secretariat: 12I Tax Allowance Programme
Department of Trade and Industry
Private Bag X84
PRETORIA
0001

For attention: Mr A Potgieter
Telephone No.: 012 394 1427
E-mail: andre@thedti.gov.za

GENERAL NOTICES • ALGEMENE KENNISGEWINGS

DEPARTMENT OF TRADE, INDUSTRY AND COMPETITION

NOTICE 1526 OF 2022

STANDARDS ACT, 2008 STANDARDS MATTERS

In terms of the Standards Act, 2008 (Act No. 8 of 2008), the Board of the South African Bureau of Standards has acted in regard to standards in the manner set out in the Schedules to this notice.

SECTION A: DRAFTS FOR COMMENTS

The following draft standards are hereby issued for public comments in compliance with the norm for the development of the South Africa National standards in terms of section 23(2)(a) (ii) of the Standards Act.

Draft Standard No. and Edition	Title, scope and purport	Closing Date
SATR 61511-4 Ed 1	<i>Functional safety - Safety instrumented systems for the process industry sector - Part 4: Explanation and rationale for changes in IEC 61511-1 from Edition 1 to Edition 2.</i> This part of IEC 61511, which is a Technical Report, specifies the rationale behind all clauses and the relationship between them, raises awareness for the most common misconceptions and misinterpretations of the clauses and the changes related to them, explains the differences between Ed. 1 and Ed. 2 of IEC 61511-1 and the reasons behind the changes, presents high level summaries of how to fulfil the requirements of the clauses, and explains differences in terminology between IEC 61508-4:2010 and IEC 61511-1 Ed. 2.	2023-02-09
SATR 63196 Ed 1	<i>Switchgear and control gear and their assemblies for low-voltage – Energy.</i>	2023-02-15
SANS 62271-212 Ed 1	<i>High-voltage switchgear and controlgear - Part 212: Compact Equipment Assembly for Distribution Substation (CEADS) for AC voltages up to 52 kV.</i>	2023-02-15
SANS 62271-202 Ed 3	<i>High-voltage switchgear and controlgear - Part 202: AC prefabricated substations for rated voltages above 1 kV and up to and including 52 kV.</i>	2023-02-15
SATS 62885-1 Ed 1	<i>Surface cleaning appliances - Part 1: General requirements on test material and test equipment.</i> Specifies the physical characteristics of test equipment and material used in tests common to several products covered by the IEC 62885 series for surface cleaning appliances.	2023-02-15
SATS 61850-1 Ed 2	<i>Communication networks and systems for power utility automation - Part 1-2: Guidelines on extending IEC 61850.</i> Intended for any users but primarily for standardization bodies that are considering using IEC 61850 as a base standard within the scope of their work and are willing to extend it as allowed by the IEC 61850 standards.	2023-02-15
SANS 60730-2-8 Ed 2	<i>Automatic electrical controls - Part 2-8: Particular requirements for electrically operated water valves, including mechanical requirements.</i> Applies to electrically operated water valves for use in, on or in association with equipment for household and similar use, including heating, air-conditioning and similar applications.	2023-02-15

SCHEDULE A.1: AMENDMENT OF EXISTING STANDARDS

The following draft amendments are hereby issued for public comments in compliance with the norm for the development of the South African National Standards in terms of section 23(2)(a) (ii) of the Standards Act.

Draft Standard No. and Edition	Title	Scope of amendment	Closing Date
SANS 434 Ed 6.2	<i>General Protective Clothing.</i>	Amended to update requirements for pen pocket and delete annex A on notes to purchasers.	2023-02-16
SANS 164-0 Ed 1.9	<i>Plug and socket-outlet systems for household and similar purposes for use in South Africa - Part 0: General requirements</i>	Amended to update referenced standards, and the clause on requirements.	2023-02-15

SCHEDULE A.2: WITHDRAWAL OF THE SOUTH AFRICAN NATIONAL STANDARDS

In terms of section 24(1)(C) of the Standards Act, the following published standards are issued for comments with regard to the intention by the South African Bureau of Standards to withdraw them.

Draft Standard No. and Edition	Title	Reason for withdrawal	Closing Date
CKS 677:1990 Ed 1	<i>Portable steam sterilizers for unwrapped instruments and utensils.</i>	The standard is obsolete.	2023-02-10
CKS 255:2009 Ed 1.1	<i>Stools, hospital (Visitors, Bathroom).</i>	The standard is obsolete.	2023-02-10
CKS 263:2009 Ed 1.2	<i>Clamps for hospital beds.</i>	The standard is obsolete.	2023-02-10
CKS 155:1972 Ed 1.2	<i>Clamps for hospital beds.</i>	The standard is obsolete.	2023-02-10
CKS 179:2009 Ed 1.1	<i>Drip stands (for saline solutions and other fluids)</i>	The standard is obsolete.	2023-02-10
CKS 232:2009 Ed 1	<i>Swab racks.</i>	The standard is obsolete.	2023-02-10
CKS 237:2009 Ed 1	<i>Bassinets (cribs) with stands.</i>	The standard is obsolete.	2023-02-10
CKS 239:2010 Ed 1.3	<i>Commodore (wheel chair type).</i>	The standard is obsolete.	2023-02-10
CKS 242:2009 Ed 2.1	<i>Tea trolleys.</i>	The standard is obsolete.	2023-02-10
CKS 240:2009 Ed 1.2	<i>Examination couches.</i>	The standard is obsolete.	2023-02-10
CKS 243:2009 Ed 2.2	<i>Anaesthetic machines.</i>	The standard is obsolete.	2023-02-10
CKS 624:2011 Ed 2.2	<i>Anaesthetic machines.</i>	The standard is obsolete.	2023-02-10
CKS 635:2013 Ed 1.4	<i>Adjustable ward beds.</i>	The standard is obsolete.	2023-02-10
CKS 350:2009 Ed 1	<i>Guard rails for hospital beds.</i>	The standard is obsolete.	2023-02-10
CKS 390:2009 Ed 1	<i>Orthopaedic beds.</i>	The standard is obsolete.	2023-02-10
CKS 408:1974 Ed 1	<i>Electrically-heated incubators for infants.</i>	The standard is obsolete.	2023-02-10
CKS 374:2009 Ed 1	<i>Leg and body cradles.</i>	The standard is obsolete.	2023-02-10
CKS 447:2013 Ed 2.2	<i>High-low beds.</i>	The standard is obsolete.	2023-02-10

CKS 294:2009 Ed 2.1	<i>Kick-abouts.</i>	The standard is obsolete.	2023-02-10
CKS 266:2010 Ed 1	<i>Lifting poles for patients.</i>	The standard is obsolete.	2023-02-10
CKS 336:2013 Ed 1	<i>Forged steel hooks for chains, slings, blocks, and general engineering purposes.</i>	The standard is obsolete.	2023-02-10
CKS 556:2009 Ed 1.2	<i>Mobile medicine (utility drug) cabinet.</i>	The standard is obsolete.	2023-02-10
CKS 343:2009 Ed 1.2	<i>Orthopaedic traction-pieces and hangers.</i>	The standard is obsolete.	2023-02-10
CKS 617:2009 Ed 1.1	<i>Footstools for hospital use.</i>	The standard is obsolete.	2023-02-10
CKS 157:2009 Ed 1	<i>Bowl stands.</i>	The standard is obsolete.	2023-02-10
CKS 181:2009 Ed 3.1	<i>Drug/poison cabinets.</i>	The standard is obsolete.	2023-02-10
CKS 265:2009 Ed 1	<i>Extension rods for hospital beds.</i>	The standard is obsolete.	2023-02-10

SCHEDULE A.3: WITHDRAWAL OF INFORMATIVE AND NORMATIVE DOCUMENTS

In terms of section 24(5) of the Standards Act, the following documents are being considered for withdrawal.

Draft Standard No. and Edition	Title	Reason for withdrawal	Closing Date

SECTION B: ISSUING OF THE SOUTH AFRICAN NATIONAL STANDARDS

SCHEDULE B.1: NEW STANDARDS

The following standards have been issued in terms of section 24(1)(a) of the Standards Act.

Standard No. and year	Title, scope and purport
SANS 61557-12:2022 Ed 1	<i>Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC - Equipment for testing, measuring or monitoring of protective measures - Part 12: Power metering and monitoring devices (PMD).</i> Specifies requirements for power metering and monitoring devices (PMD) that measure and monitor the electrical quantities within electrical distribution systems.
SATS 60079-46:2022 Ed 1	<i>Explosive atmospheres - Part 46: Equipment assemblies.</i> Specifies requirements for the design, construction, assembly, testing, inspection, marking, documenting and assessment of equipment assemblies for use in explosive atmospheres under the responsibility of the manufacturer of the equipment assembly.
SATS 62257-9-5:2022 Ed 1	<i>Recommendations for renewable energy and hybrid systems for rural electrification Part 9-5: Integrated system - Selection of portable PV lanterns for rural electrification projects.</i> Applies to stand-alone renewable energy products having the following characteristics: All components required to provide basic energy services are sold/installed as a kit or integrated into a single component.
SANS 14002-1:2022 Ed 1	<i>Environmental management systems - Guidelines for using ISO 14001 to address environmental aspects and conditions within an environmental topic area - Part 1 General.</i> Gives general guidance for organisations seeking to systematically manage environmental aspects or responds to the effect of changing environmental conditions within one or more environmental topic areas, based on ISO 14001 (published in South Africa as an identical adoption under the designation SANS 14001).

Standard No. and year	Title, scope and purport
SANS 37002:2022 Ed 1	<i>Whistleblowing management systems – Guidelines</i> . Provides guidelines for establishing, implementing and maintaining an effective whistleblowing management system based on the principles of trust, impartiality and protection.
SANS 2041:2022 Ed 2	<i>Mechanical vibration, shock and condition monitoring – Vocabulary</i> . Defines terms and expressions unique to the areas of mechanical vibration, shock and condition monitoring.
SANS 3741:2022 Ed 2	<i>Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms</i> . Specifies methods for determining the sound power level or sound energy level of a noise source from sound pressure levels measured in a reverberation test room.
SATR 62681:2022 Ed 2	<i>Electromagnetic performance of high voltage direct current (HVDC) overhead transmission lines</i> . Provides general guidance on the electromagnetic environment issues of HVDC overhead transmission lines.
SANS 51176-3 Ed 2	<i>Playground equipment and surfacing Part 3: Additional specific safety requirements and test methods for slides</i> . Specifies additional safety requirements for slides intended for permanent installation for use by children.
SANS 51176-4 Ed 2	<i>Playground equipment and surfacing Part 4: Additional specific safety requirements and test methods for cableways</i> . Specifies additional safety requirements for cableways intended for permanent installation for use by children.
SANS 51176-5 Ed 2	<i>Playground equipment and surfacing Part 5: Additional specific safety requirements and test methods for carousels</i> . Specifies additional safety requirements for carousels intended for permanent installation for use by children.
SANS 51176-6 Ed 2	<i>Playground equipment and surfacing Part 6: Additional specific safety requirements and test methods for rocking equipment</i> . Specifies additional safety requirements and test methods for seesaws and rocking equipment intended for permanent installation for use by children.
SANS 27007:2022 Ed 2	<i>Information security, cybersecurity and privacy protection - Guidelines for information security management systems auditing</i> . Provides guidance on managing an information security management system (ISMS) audit programme, on conducting audits, and on the competence of ISMS auditors, in addition to the guidance contained in ISO 19011 (published in South Africa under the designation SANS 19011).

SCHEDULE B.2: AMENDED STANDARDS

The following standards have been amended in terms of section 24(1)(a) of the Standards Act.

Standard No. and year	Title, scope and purport
SANS 1406:2022 Ed 3.1	<i>Commercial refrigerated food display cabinets. Consolidated edition incorporating amendment No. 1</i> . Amended to move reference to the relevant legislation to the foreword, and to delete the annex on notes to purchasers.
SANS 1489-4:2022 Ed 1.1	<i>Electrical connectors in group I and group II hazardous areas Part 4: Medium voltage couplers and adaptors for group I hazardous areas. Consolidated edition incorporating amendment No. 1</i> . Amended to update referenced standards.
SANS 1547:2022 Ed 1.7	<i>Traffic signal controllers. Consolidated edition incorporating amendment No. 7</i> . Amended to update referenced standards, the annex on site data document, and to delete the annex on notes to purchasers.

SCHEDULE B.3: WITHDRAWN STANDARDS

In terms of section 24(1)(C) of the Standards Act, the following standards have been withdrawn.

Standard No. and year	Title
CKS 136:1981 Ed 3	<i>Wrapping paper.</i>
CKS 368: Ed 1.2	<i>Lever arch files for stationery.</i>
CKS 462:2009 Ed 1.2	<i>Orthopaedic flannelette bandages.</i>
CKS 636:1992 Ed 1	Shirts, open-necked, short-sleeved, military type.

SCHEDULE B4: ESTABLISHMENT OF TECHNICAL COMMITTEES

Committee No.	Title	Scope

SCHEDULE B5: RETRACTION OF PREVIOUSLY GAZETTED ITEMS

If your organization is interested in participating in these committees, please send an e-mail to Dsscomments@sabs.co.za for more information.

SCHEDULE B6: ADDRESS OF THE SOUTH AFRICAN BUREAU OF STANDARDS HEAD OFFICE

Copies of the standards mentioned in this notice can be obtained from the Head Office of the South African Bureau of Standards at 1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria 0001.

BOARD NOTICES • RAADSKENNISGEWINGS

BOARD NOTICE 378 OF 2022

**INVITATION TO COMMENT ON EXPOSURE DRAFTS 200 TO 202 ISSUED BY THE ACCOUNTING STANDARDS BOARD****Issued: 23 December 2022**

The Accounting Standards Board (the Board) invites comment on the following Exposure Drafts:

- Invitation to Participate in the Post-Implementation Review of the Standard of GRAP on *Accounting by Principals and Agents* (ED 200)
- Proposed *Improvements to the Standards of GRAP, 2022* (ED 201)
- Proposed Interpretation of the Standards of GRAP on *Foreign Currency Transactions and Advance Consideration* (ED 202)

Comment on **ED 200** is due by **15 September 2023**.

The feedback received as part of the public consultation process will be used by the Board to decide the next steps. As a result, all those affected by, or who are interested in the Exposure Draft, are encouraged to provide a written response to the Board.

Comment on **ED 201 and ED 202** is due by **28 April 2023**.

The feedback received as part of the public consultation process will be used by the Board to finalise the pronouncements. As a result, all those affected by, or who are interested in the Exposure Drafts, are encouraged to provide a written response to the Board.

Responses to the Exposure Drafts should be received by the comment deadline, as indicated above.

Copies of the documents

The documents are available electronically on the Board's website – <http://www.asb.co.za>, or can be obtained by contacting the Board's offices on 011 697 0660 (telephone), or 011 697 0666 (fax).

Comment can be emailed to info@asb.co.za.

We look forward to receiving your responses.

BOARD NOTICE 379 OF 2022

THE SOUTH AFRICAN DENTAL TECHNICIANS COUNCIL

Publication in terms Regulation 15(12) of the Regulations Relating to the Institution of Inquiries held in terms of Section 35 of the Act (Government Notice No. R.1016 dated 28 May 1982 issued in terms of section 50 (k) of the Dental Technicians Act No. 19 of 1979), of the finding and penalty imposed by the Council in a disciplinary inquiry held virtually in terms of Section 35 of Act No. 19 of 1979 ("the Act") read with clause 6 and the proviso in clause 11(2)(a) of the Regulations Relating to the Institution of Inquiries on 11 October 2022 arising from the charge of improper conduct by a registered person.

Name of the registered person: **ISMAIL YUMUK**

Registration Number: **TE3000**

NATURE OF OFFENCE:

Guilty of contravention of sections 29(1), (4), (5), (6), 30 (1), (3), (4) read with section 47(3)(a) of the Dental Technicians Act 19 of 1979, and clause 2 of the Regulations Relating to the Supervision of Registered Dental Laboratories published in Government Notice No R.710: Government Gazette No. 37986 dated 9 September 2014.

PENALTY:

A fine in terms of section 36(1)(e) of the Act in the amount of R50 000, the payment of half of which is suspended in terms of section 37(1)(b) of the Act for a period of five years on condition that Mr Yumuk does not commit the same or similar improper conduct during a period of 5 years. The fine in the amount of R25,000.00 is payable within fourteen days after publication hereof in the Government Gazette.

BOARD NOTICE 380 OF 2022

This Board Notice is effective as from 1 April 2023

SOUTH AFRICAN COUNCIL FOR NATURAL SCIENTIFIC PROFESSIONS**FEE STRUCTURE FOR 2023/2024**

The South African Council for Natural Scientific Professions herewith retracts all Board Notices regarding the fee structure as published in Government Gazette.

1. NOTES

- (a) **“application fee”** means the fee payable on submission of an application for registration. A fee is payable for each field of practice for which registration is requested and is not refundable, should an application not be successful.
- (b) **“annual fee”** means the fee payable by the registered person within 60 days from the date on which he/she is informed (in writing) that his/her annual fee has become payable. Annual fees will become payable on the 1st of April of every year.
- (c) **“qualifications assessment fee”** must be paid for evaluation of qualifications for registration purposes.
- (d) **“re-instatement fee”** means the fee payable on submission of an application to reinstate a registration. A fee is payable for each field of practice for which re-instatement is required.
- (e) **“appeal fee”** means the fee payable in terms of Section 25(1) of the Act when a person lodges a complaint against a Council decision.

2. FEES**Table 1: Annual Fees**

Category/Type	Amount
Professional	R 1,672
Certificated	R 1,054
Candidate	R 540
Pensioners	R 330

Table 2: Other Fees

Category/Type	Amount
Application Fee	R 2,236
Application Fee - Candidate only	R 580
Critical Skills visa fee	R 4,729
Upgrading fee	R 1,768
Reinstatement fee - Professional	R 4,260
Reinstatement fee - Certificated	R 3,046
Reinstatement fee - Candidate	R 1,610
Qualification assessment fee	R 2,876
Appeal fee	R 2,960

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