

Basel Committee on Banking Supervision

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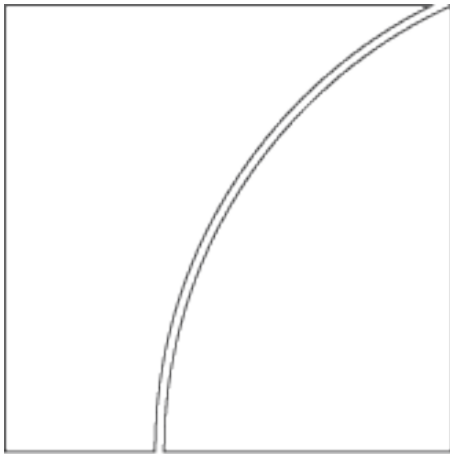
Disclosure requirements

DIS70

Interest rate risk in the
banking book

**Version effective as of
15 Dec 2019**

First version in the format of the consolidated
framework.



BANK FOR INTERNATIONAL SETTLEMENTS

Introduction

70.1 The disclosure requirements set out in this chapter are:

- (1) Table IRRBBA – Interest rate risk in the banking book (IRRBB) risk management objective and policies
- (2) Template IRRBB1 – Quantitative information on IRRBB

70.2 Table IRRBBA provides information on a bank's IRRBB risk management objective and policy. Template IRRBB1 provides quantitative IRRBB information, including the impact of interest rate shocks on their change in economic value of equity and net interest income, computed based on a set of prescribed interest rate shock scenarios.

70.3 Banks must disclose the measured changes in economic value of equity (ΔEVE) and changes in net interest income (ΔNII) under the prescribed interest rate shock scenarios set out in [SRP31](#). In disclosing Table IRRBBA and Template IRRBB1, banks should use their own internal measurement system (IMS) to calculate the IRRBB exposure values, unless instructed by their national supervisor. [SRP31](#) provides a standardised framework that banks may adopt as their IMS. In addition to quantitative disclosure, banks should provide sufficient qualitative information and supporting detail to enable the market and wider public to:

- (1) Monitor the sensitivity of the bank's economic value and earnings to changes in interest rates;
- (2) Understand the primary assumptions underlying the measurement produced by the bank's IMS; and
- (3) Have an insight into the bank's overall IRRBB objective and IRRBB management.

70.4 For the disclosure of ΔEVE :

- (1) Banks should exclude their own equity from the computation of the exposure level;
- (2) Banks should include all cash flows from all interest rate-sensitive assets, liabilities and off-balance sheet items in the banking book in the computation of their exposure.¹ Banks should disclose whether they have excluded or included commercial margins and other spread components in their cash flows;

- (3) Cash flows should be discounted using either a risk-free rate or a risk-free rate including commercial margins and other spread components (only if the bank has included commercial margins and other spread components in its cash flows).² Banks should disclose whether they have discounted their cash flows using a risk-free rate or a risk-free rate including commercial margins and other spread components; and
- (4) Δ EVE should be computed with the assumption of a run-off balance sheet, where existing banking book positions amortise and are not replaced by any new business.

Footnotes

¹ *Interest rate-sensitive assets are assets which are not deducted from Common Equity Tier 1 capital and which exclude (i) fixed assets such as real estate or intangible assets as well as (ii) equity exposures in the banking book.*

² *The discounting factors must be representative of a risk-free zero coupon rate. An example of an acceptable yield curve is a secured interest rate swap curve.*

70.5 For the disclosure of Δ NII:

- (1) Banks should include expected cash flows (including commercial margins and other spread components) arising from all interest rate-sensitive assets, liabilities and off-balance sheet items in the banking book;
- (2) Δ NII should be computed assuming a constant balance sheet, where maturing or repricing cash flows are replaced by new cash flows with identical features with regard to the amount, repricing period and spread components.
- (3) Δ NII should be disclosed as the difference in future interest income over a rolling 12-month period.

70.6 In addition to the required disclosures in Table IRRBBA and Template IRRBB1, banks are encouraged to make voluntary disclosures of information on internal measures of IRRBB that would assist the market in interpreting the mandatory disclosure numbers.

Table IRRBBA - IRRBB risk management objectives and policies

Purpose: Provide a description of the risk management objectives and policies concerning IRRBB.

Scope of application: Mandatory for all banks within the scope of application set out in [SRP31](#).

Content: Qualitative and quantitative information. Quantitative information is based on the daily or monthly average of the year or on the data as at the reporting date.

Frequency: Annual.

Format: Flexible.

Qualitative disclosure

a	A description of how the bank defines IRRBB for purposes of risk control and measurement.
b	A description of the bank's overall IRRBB management and mitigation strategies. Examples are: monitoring of economic value of equity (EVE) and net interest income (NII) in relation to established limits, hedging practices, conduct of stress testing, outcome analysis, the role of independent audit, the role and practices of the asset and liability management committee, the bank's practices to ensure appropriate model validation, and timely updates in response to changing market conditions.
c	The periodicity of the calculation of the bank's IRRBB measures, and a description of the specific measures that the bank uses to gauge its sensitivity to IRRBB.
d	A description of the interest rate shock and stress scenarios that the bank uses to estimate changes in the economic value and in earnings.
e	Where significant modelling assumptions used in the bank's internal measurement systems (IMS) (ie the EVE metric generated by the bank for purposes other than disclosure, eg for internal assessment of capital adequacy) are different from the modelling assumptions prescribed for the disclosure in Template IRRBB1, the bank should provide a description of those assumptions and their directional implications and explain its rationale for making those assumptions (eg historical data, published research, management judgment and analysis).
f	A high-level description of how the bank hedges its IRRBB, as well as the associated accounting treatment.
g	A high-level description of key modelling and parametric assumptions used in calculating Δ EVE and Δ NII in Template IRRBB1, which includes: <ul style="list-style-type: none">• For ΔEVE, whether commercial margins and other spread components have been included in the cash flows used in the computation and discount rate used.• How the average repricing maturity of non-maturity deposits has been determined (including any unique product characteristics that affect assessment of repricing behaviour).• The methodology used to estimate the prepayment rates of customer loans, and/or the early withdrawal rates for time deposits, and other significant assumptions.

	<ul style="list-style-type: none"> • Any other assumptions (including for instruments with behavioural optionalities that have been excluded) that have a material impact on the disclosed ΔEVE and ΔNII in Template IRRBB1, including an explanation of why these are material. • Any methods of aggregation across currencies and any significant interest rate correlations between different currencies.
h	(Optional) Any other information which the bank wishes to disclose regarding its interpretation of the significance and sensitivity of the IRRBB measures disclosed and/or an explanation of any significant variations in the level of the reported IRRBB since previous disclosures.
Quantitative disclosures	
1	Average repricing maturity assigned to non-maturity deposits (NMDs).
2	Longest repricing maturity assigned to NMDs.

Template IRRBB1 - Quantitative information on IRRBB

Purpose: Provide information on the bank's changes in economic value of equity and net interest income under each of the prescribed interest rate shock scenarios.

Scope of application: Mandatory for all banks within the scope of application set out in [SRP31](#).

Content: Quantitative information.

Frequency: Annual

Format: Fixed.

Accompanying narrative: Commentary on the significance of the reported values and an explanation of any material changes since the previous reporting period.

In reporting currency	ΔEVE		ΔNI	
	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				

Definitions

For each of the supervisory prescribed interest rate shock scenarios, the bank must report for the current period and for the previous period:

- (i) the change in the economic value of equity based on its IMS, using a run-off balance sheet and an instantaneous shock or based on the result of the standardised framework [SRP31](#) if the bank has chosen to adopt the framework or has been mandated by its supervisor to follow the framework; and
 - (ii) 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.
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