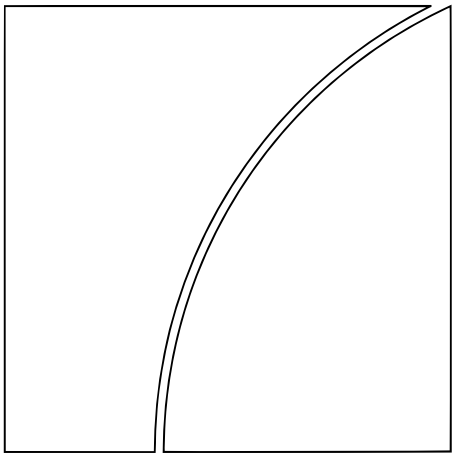
Basel Committee on Banking Supervision

SCO

Scope and definitions

SCO40

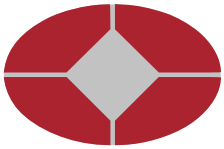
Global systemically important banks



This chapter describes the indicator-based measurement approach for assessing the systemic importance of global systemically important banks (G-SIBs).

Version effective as of 01 January 2027

Methodology updated to give effect to the changes to the G-SIB framework published in July 2018, the change to the review process published in November 2021 and technical amendments published in November 2023. Updated to incorporate update to the reporting and reporting threshold published 16 October 2026.



BANK FOR INTERNATIONAL SETTLEMENTS

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Introduction

40.1

The negative externalities associated with institutions that are perceived as not being allowed to fail due to their size, interconnectedness, complexity, lack of substitutability or global scope are well recognised. In maximising their private benefits, individual financial institutions may rationally choose outcomes that, on a system-wide level, are suboptimal because they do not take into account these externalities. Moreover, the moral hazard costs associated with implicit guarantees derived from the perceived expectation of government support may amplify risk-taking, reduce market discipline and create competitive distortions, and further increase the probability of distress in the future. As a result, the costs associated with moral hazard add to any direct costs of support that may be borne by taxpayers.

40.2

In addition, given the potential cross-border repercussions of a problem in any of the global systemically important banks (G-SIBs) on the financial institutions in many countries and on the global economy at large, this is not uniquely a problem for national authorities, and therefore requires a global minimum agreement.

40.3

Because there is no single solution to the externalities posed by G-SIBs, the official community is addressing these issues through a multipronged approach. The broad aim of the policies is to:

1. reduce the probability of failure of G-SIBs by increasing their going-concern loss-absorbency (addressed by the measures in this chapter, RBC40 and other G-SIB-specific measures in the Basel framework); and
2. reduce the extent or impact of failure of G-SIBs, by improving global recovery and resolution measures (where work is led by the Financial Stability Board, or FSB).

Assessing systemic importance

40.4

The Basel Committee's methodology for assessing the systemic importance of G-SIBs relies on an indicator-based measurement approach. The selected indicators are chosen to reflect the different aspects of what generates negative externalities and makes a bank critical for the stability of the financial system. The advantage of the multiple indicator-based measurement approach is that it encompasses many dimensions of systemic importance, is relatively simple and is more robust than currently available model-based measurement approaches and methodologies that rely on only a small set of indicators or market variables.

40.5

Given the focus of the framework on cross-border spillovers and negative global externalities that arise from the failure of a globally active bank, the reference system for assessing systemic impact is the global economy. Consequently, systemic importance is assessed based on data that relate to the consolidated group (ie the unit of analysis is the consolidated group). To be consistent with this approach, the higher loss absorbency requirement applies to the consolidated group. However, as with the minimum requirement and the capital conservation and countercyclical buffers, application at the consolidated level does not rule out the option

for the host jurisdictions of subsidiaries of the group also to apply the requirement at the individual legal entity or consolidated level within their jurisdiction.

40.6

The Committee is of the view that global systemic importance should be measured in terms of the impact that a bank's failure can have on the global financial system and wider economy, rather than the likelihood that a failure could occur. This can be thought of as a global, system-wide, loss-given-default (LGD) concept rather than a probability of default (PD) concept.

40.7

The methodology gives an equal weight of 20% to each of five categories of systemic importance, which are: size, cross-jurisdictional activity, interconnectedness, substitutability/financial institution infrastructure and complexity. With the exception of the size category, the Committee has identified multiple indicators in each of the categories, with each indicator equally weighted within its category, except for the substitutability category. That is, where there are two indicators in a category, each indicator is given a 10% overall weight; where there are three, the indicators are each weighted 6.67% (ie 20/3). In the substitutability category, two indicators are weighted 6.67% (assets under custody and payment activity), while underwritten transactions in debt and equity markets and the new trading volume indicator each weigh 3.33%. This split reflects the complementary role of the trading volume indicator, which is to capture potential disruptions in the provision of liquidity in the secondary market for some exposures, while the underwriting indicator captures liquidity in the primary market.

40.8

In 2013, the Committee found that, relative to the other categories that make up the G-SIB framework, the substitutability category has a greater impact on the assessment of systemic importance than the Committee intended for banks that are dominant in the provision of payment, underwriting and asset custody services. Therefore, the Committee decided to apply a cap to the substitutability category by limiting the maximum score to 500 basis points.

40.9

The global systemically important insurers framework does not formally capture the insurance subsidiaries of banking groups. Furthermore, some jurisdictions include insurance subsidiaries in their regulatory scope of consolidation whilst others do not, which may create an inconsistency in the systemic assessment of banking groups across jurisdictions. Against this background, the Committee has decided to include insurance activities for the following indicators: total exposures, intra-financial system assets, intra-financial system liabilities, securities outstanding, notional amount of over-the-counter (OTC) derivatives and level 3 assets in the size, interconnectedness and complexity categories. The approach therefore includes the following indicators with the following weights:

Indicator-based measurement approach — Table 1

Category (and weighting)	Individual indicator	Indicator weighting
Cross-jurisdictional activity (20%)	Cross-jurisdictional claims	10%
	Cross-jurisdictional liabilities	10%

Size (20%)	Total exposures as defined for use in the Basel III leverage ratio*	20%
Interconnectedness (20%)	Intra-financial system assets*	6.67%
	Intra-financial system liabilities*	6.67%
	Securities outstanding*	6.67%
Substitutability/financial institution infrastructure (20%)	Assets under custody	6.67%
	Payments activity	6.67%
	Underwritten transactions in debt and equity markets	3.33%
	Trading volume	3.33%
Complexity (20%)	Notional amount of OTC derivatives*	6.67%
	Level 3 assets*	6.67%
	Trading and available-for-sale securities	6.67%

* Extended scope of consolidation to include insurance activities.

40.10

For each bank, the score for a particular indicator is calculated by dividing the individual bank amount (expressed in EUR) by the aggregate amount for the indicator summed across all banks in the sample.[1] [2] This amount is then multiplied by 10,000 to express the indicator score in terms of basis points. For example, if a bank's size divided by the total size of all banks in the sample is 0.03 (ie the bank makes up 3% of the sample total) its score will be expressed as 300 basis points. Each category score for each bank is determined by taking a simple average of the indicator scores in that category. The overall score for each bank is then calculated by taking a simple average of its five category scores and then rounding to the nearest whole basis point.[3] The maximum total score, ie the score that a bank would have if it were the only bank in sample, is 10,000 basis points (ie 100%).[4]

4 Footnotes

1 *See SCO40.19 for a description of how the sample of banks is determined.*

[2] *The calculation of the score for the trading volume indicator differs from the calculation of the scores for the other 12 indicators. The trading volume indicator is calculated for each bank using two sub-indicators: (1) trading volume of fixed income instruments; and (2) trading volume of equities and other securities. Scores are first calculated for each sub indicator by dividing the individual bank amount (expressed in EUR) by the aggregate amount for the sub-indicator summed across all banks in the sample. The trading volume indicator is then calculated as the simple average (arithmetic mean) of the two sub-indicator scores.*

[3] *Fractional values between 0 and 0.5 are rounded down, while values from 0.5 to 1 are rounded up.*

[4] *This ignores the impact of the cap on the substitutability category. The impact of the cap is such that the actual maximum score if there were only one bank in the sample is 8,000 basis points plus one fifth of the maximum substitutability score.*

40.11

When calculating a bank's indicators, the data must be converted from the reporting currency to euros using the exchange rates published on the Basel Committee website. These rates should not be rounded in performing the conversions, as this may lead to inaccurate results.

40.12

There are different sets of currency conversions on the website, each corresponding to a different fiscal year-end. Within each set, there are two conversion tables. The first is a point-in-time, or spot, conversion rate corresponding to the following fiscal year-ends: 30 September, 30 October, 31 December, and 31 March (of the following year). The second set is an average of the exchange rates over the relevant fiscal year. Unless the bank decides to collect the daily flow data in the reporting currency directly and convert the data using a consistent set of daily exchange rate quotations, the average rates over the bank's fiscal year should be used to convert the individual payments data into the bank's reporting currency. The 31 December spot rate should be used to convert each of the 12 indicator values (including total payments activity) to the G-SIB assessment methodology reporting currency (ie euros).

Cross-jurisdictional activity

40.13

Given the focus on G-SIBs, the objective of this indicator is to capture banks' global footprint. Two indicators in this category measure the importance of the bank's activities outside its home (headquarter) jurisdiction relative to overall activity of other banks in the sample:

1. cross-jurisdictional claims; and
2. cross-jurisdictional liabilities.

40.14

The idea is that the international impact of a bank's distress or failure would vary in line with its share of cross-jurisdictional assets and liabilities. The greater a bank's global reach, the

more difficult it is to coordinate its resolution and the more widespread the spillover effects from its failure.

Size

40.15

A bank's distress or failure is more likely to damage the global economy or financial markets if its activities comprise a large share of global activity. The larger the bank, the more difficult it is for its activities to be quickly replaced by other banks and therefore the greater the chance that its distress or failure would cause disruption to the financial markets in which it operates. The distress or failure of a large bank is also more likely to damage confidence in the financial system as a whole. Size is therefore a key measure of systemic importance. One indicator is used to measure size: the measure of total exposures used in the Basel III leverage ratio, including exposures arising from insurance subsidiaries.

Interconnectedness

40.16

Financial distress at one institution can materially increase the likelihood of distress at other institutions given the network of contractual obligations in which these firms operate. A bank's systemic impact is likely to be positively related to its interconnectedness vis-à-vis other financial institutions. Three indicators are used to measure interconnectedness, all of which include insurance subsidiaries:

1. intra-financial system assets;
2. intra-financial system liabilities; and
3. securities outstanding.

Substitutability / financial institution infrastructure

40.17

The systemic impact of a bank's distress or failure is expected to be negatively related to its degree of substitutability as both a market participant and client service provider, ie it is expected to be positively related to the extent to which the bank provides financial institution infrastructure. For example, the greater a bank's role in a particular business line, or as a service provider in underlying market infrastructure (eg payment systems), the larger the disruption will likely be following its failure, in terms of both service gaps and reduced flow of market and infrastructure liquidity. At the same time, the cost to the failed bank's customers in having to seek the same service from another institution is likely to be higher for a failed bank with relatively greater market share in providing the service. Four indicators are used to measure substitutability/financial institution infrastructure:

1. assets under custody;
2. payments activity;
3. underwritten transactions in debt and equity markets; and
4. trading volume.

Complexity

40.18

The systemic impact of a bank's distress or failure is expected to be positively related to its overall complexity – that is, its business, structural and operational complexity. The more complex a bank is, the greater are the costs and time needed to resolve the bank. Three indictors are used to measure complexity, the first two of which include insurance subsidiaries:

1. notional amount of OTC derivatives;
2. Level 3 assets; and
3. trading and available-for-sale securities.

Sample of banks

40.19

The indicator-based measurement approach uses a large sample of banks as its proxy for the global banking sector. Data supplied by this sample of banks is then used to calculate banks' scores. Banks fulfilling any of the following criteria will be included in the sample:

1. Banks that the Committee identifies as the 75 largest global banks, based on the financial year-end Basel III leverage ratio exposure measure, including exposures arising from insurance subsidiaries.
2. Banks that were designated as G-SIBs in the previous year (unless supervisors agree that there is compelling reason to exclude them).
3. Banks that have been added to the sample by national supervisors using supervisory judgment (subject to certain criteria).

Bucketing approach

40.20

Banks that have a score produced by the indicator-based measurement approach that exceeds a cutoff level are classified as G-SIBs. Supervisory judgment may also be used to add banks with scores below the cutoff to the list of G-SIBs. This judgment will be exercised according to the principles set out in SCO40.23 to SCO40.26.

40.21

Each year, the Committee runs the assessment and, if necessary, reallocates G-SIBs into different categories of systemic importance based on their scores and supervisory judgment. G-SIBs are allocated into equally sized buckets based on their scores of systemic importance, with varying levels of higher loss absorbency requirements applied to the different buckets as set out in RBC40.4 and RBC40.5. The cutoff score for G-SIB designation is 130 basis points and the buckets corresponding to the different higher loss absorbency requirements each have a range of 100 basis points.[5]

1 Footnote

5 *Cutoff scores and bucket thresholds are available at www.bis.org/bcbs/gsib/cutoff.htm .*

40.22

The number of G-SIBs, and their bucket allocations, will evolve over time as banks change their behaviour in response to the incentives of the G-SIB framework as well as other aspects of Basel III and country-specific regulations. Moreover, if a bank's score increases such that it exceeds the top threshold of the fourth bucket, new buckets will be added to accommodate the bank. New buckets will be equal in size in terms of scores to each of the existing buckets, and will have incremental higher loss absorbency requirements, as set out in RBC40.4 and RBC40.5, to provide incentives for banks to avoid becoming more systemically important.

Criteria for supervisory judgment

40.23

Supervisory judgment can support the results derived from the indicator-based measurement approach of the assessment methodology. The Committee has developed four principles for supervisory judgment:

1. The bar for judgmental adjustment to the scores should be high: in particular, judgment should only be used to override the indicator-based measurement approach in exceptional cases. Those cases are expected to be rare.
2. The process should focus on factors pertaining to a bank's global systemic impact, ie the impact of the bank's distress/failure and not the probability of distress/failure (ie the riskiness) of the bank.
3. Views on the quality of the policy/resolution framework within a jurisdiction should not play a role in this G-SIB identification process.[6]
4. The judgmental overlay should comprise well documented and verifiable quantitative as well as qualitative information.

1 Footnote

6 *However, this is not meant to preclude any other actions that the Committee, the FSB or national supervisors may wish to take for global systemically important financial institutions to address the quality of the policy/resolution framework. For example, national supervisors could impose higher capital surcharges beyond the higher loss absorbency requirements for G-SIBs that do not have an effective and credible recovery and resolution plan.*

Ancillary indicators

40.24

The Committee has identified a number of ancillary indicators relating to specific aspects of the systemic importance of an institution that may not be captured by the indicator-based measurement approach alone. These indicators can be used to support the judgment overlay.

40.25

The ancillary indicators are set out in the reporting template and related instructions, which are available on the Committee's website.[7]

1 Footnote

7 www.bis.org/bcbs/gsib

Qualitative supervisory judgment

40.26

Supervisory judgment can also be based on qualitative information. This is intended to capture information that cannot be easily quantified in the form of an indicator, for example, a major restructuring of a bank's operation. Qualitative judgments should also be thoroughly explained and supported by verifiable arguments.

Process for incorporating supervisory judgment

40.27

The supervisory judgmental overlay can be incorporated using the following sequential steps to the score produced by the indicator-based measurement approach:

1. Collection of the data[8] and supervisory commentary for all banks in the sample.
2. Mechanical application of the indicator-based measurement approach and corresponding bucketing.
3. Relevant authorities[9] propose adjustments to the score of individual banks on the basis of an agreed process.
4. The Committee develops recommendations for the FSB.
5. The FSB and national authorities, in consultation with the Basel Committee, make final decisions.

2 Footnotes

8 *The data collection can start in the second quarter and be finalised in third quarter each year, subject to consultation with national supervisors.*

9 *Relevant authorities mainly refer to home and host supervisors.*

40.28

The supervisory judgment input to the results of the indicator-based measurement approach should be conducted in an effective and transparent way and ensure that the final outcome is consistent with the views of the Committee as a group. Challenges to the results of the indicator-based measurement approach should only be made if they involve a material impact in the treatment of a specific bank (eg resulting in a different loss absorbency requirement). To limit the risk that resources are used ineffectively, when the authority is not the bank's home supervisor it would be required to take into account the views of the bank's home and major host supervisors. These could be, for instance, the members of the institution's college of supervisors.

40.29

In addition to the materiality and consultation requirements, proposals to challenge the indicator-based measurement approach will be subject to the following modalities. Proposals

originating from the home supervisor that result in a lower loss absorbency requirement would be scrutinised and would require a stronger justification than those resulting in a higher loss absorbency requirement. The reverse would apply to proposals originating from other authorities: those recommending a higher loss-absorbency requirement would be subject to higher standards of proof and documentation. The rationale for this asymmetric treatment follows the general principle that the Committee is setting minimum standards.

Periodic review and refinement

40.30

The methodology, including the indicator-based measurement approach itself, the cutoff/threshold scores and the size of the sample of banks, are regularly monitored and reviewed by the Committee in order to ensure that they remain appropriate in light of: (i) developments in the banking sector; (ii) progress in methods and approaches for measuring systemic importance; (iii) structural changes; and (iv) any evidence of material unintended consequences or material deficiencies with respect to the objectives of the framework. As regards the structural changes in regional arrangements – in particular in the European Banking Union – they will be reviewed as actual changes are made.

40.31

The Committee expects national jurisdictions to prepare a framework in which banks are able to provide high-quality data for the indicators. In order to ensure the transparency of the methodology, the Committee expects banks to disclose relevant data and has set out disclosure requirements in SCO40.32 to SCO40.34. The Committee discloses the values of the cutoff scores, the threshold scores for buckets, the denominators used to normalise the indicator values and the G-SIB indicators of all banks so that banks, regulators and market participants can understand how actions banks take could affect their systemic importance score and thereby the applicable magnitude of the HLA requirement.

Reporting and disclosure requirements

40.32

For each financial year-end, all banks with a leverage ratio exposure measure, including exposures arising from insurance subsidiaries, that exceeded EUR 350 billion in the previous year-end (using the exchange rate applicable at the financial year-end), will be required to submit the full set of data used in the assessment methodology to their supervisors. These banks should be required by national authorities to make publicly available the 13 indicators used in the assessment methodology. [10] Banks should note in their disclosures that those figures are subject to revision and restatement.

1 Footnote

10 *For the trading volume indicator, banks should be required by national authorities to make publicly available its two sub-indicators: (i) trading volume of fixed income instruments; and (ii) trading volume of equities and other securities.*

40.33

Banks below this threshold that have been added to the sample owing to supervisory judgment

or as a result of being classified as a G-SIB in the previous year would also be required to comply with the data submission and disclosure requirements stated in SCO40.32.

40.34

Banks should also be required by national authorities to publicly disclose if the data used to calculate the G-SIB scores differ from the figures previously disclosed. To the extent that a revision to the data is required, banks should disclose the accurate figures in the financial quarter immediately following the finalisation of the Committee's G-SIB score calculation.

Operational timetable

40.35

The assessment methodology set out in this chapter applies from 2027, based on end-2026 data. The corresponding higher loss absorbency requirement (defined in RBC40) applies from 1 January 2029.