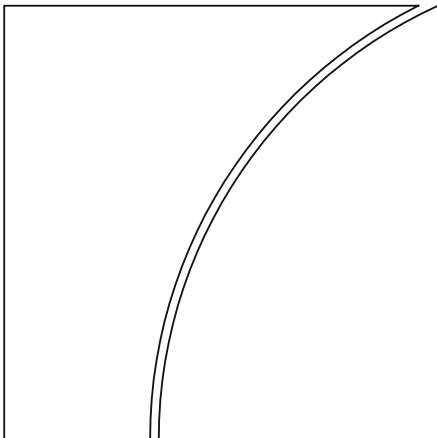


Basel Committee on Banking Supervision



Frequently asked questions on Basel III monitoring

26 March 2019



BANK FOR INTERNATIONAL SETTLEMENTS

This publication is available on the BIS website (www.bis.org/bcbs/qis/).

Grey underlined text in this publication shows where hyperlinks are available in the electronic version.

© *Bank for International Settlements 2019. All rights reserved. Brief excerpts may be reproduced or translated provided the source is stated.*

ISSN 92-9131-872-8 (print)

ISSN 92-9197-872-8 (online)

Contents

- 1. Introduction 1
- 2. General 2
- 3. Definition of capital..... 2
 - 3.1 General..... 2
 - 3.2 TLAC..... 2
 - 3.3 TLAC holdings..... 3
- 4. Leverage ratio..... 3
- 5. Liquidity 4
 - 5.1 General..... 4
 - 5.2 LCR 5
 - 5.3 NSFR 5
- 6. Monitoring of credit risk reforms 8
 - 6.1 General..... 8
 - 6.2 Worksheet "Credit risk (SA)" 8
 - 6.3 Worksheet "Credit risk (IRB)" 9
 - 6.4 Worksheet "Securitisation" 9
- 7. Operational risk 9
- 8. Trading book 10
 - 8.1 Worksheet "TB" 10
 - 8.2 Worksheet "TB IMA Backtesting-P&L" 10
- 9. CVA..... 11
- 10. Counterparty credit risk..... 11

Frequently asked questions on Basel III monitoring

1. Introduction

This document provides answers to technical and interpretive questions raised by supervisors and banks during the Committee's Basel III monitoring. **The document intends to facilitate the completion of the monitoring questionnaire and is not to be construed as an official interpretation of other documents published by the Committee.**

Paragraph numbers given in the remainder of this document usually refer to *Basel III: A global regulatory framework for more resilient banks and banking systems* ("the Basel III standards"), the *Basel III leverage ratio framework and disclosure requirements* ("the Basel III leverage ratio framework"), *Basel III: The Liquidity Coverage Ratio and liquidity risk monitoring tools* ("the Basel III LCR standards"), *Basel III: The Net Stable Funding Ratio* ("the Basel III NSFR standards"), *Total Loss-Absorbing Capacity (TLAC): Principles and Term Sheet*, *Minimum capital requirements for market risk*, *Revisions to the securitisation framework, amended to include the alternative capital treatment for "simple, transparent and comparable" securitisations* as well as to the *TLAC holdings standard*,¹ the Committee's *Finalisation of post-crisis reforms*² and the finalised *Minimum capital requirements for market risk* published in January 2019.³

In addition to the guidance for completing the monitoring template contained in this document, the Committee has published frequently asked questions (FAQ) as its official response to questions of interpretation relating to certain aspects of the Basel III standards. Therefore, banks should also take into account the frequently asked questions on capital, counterparty credit risk, the Basel III leverage ratio and the net stable funding ratio (NSFR) published by the Committee.⁴

Questions which have been added since the previous version of the FAQs are shaded yellow; questions which have been revised (other than updated cell references) are shaded red.

¹ Basel Committee on Banking Supervision, *Basel III: A global regulatory framework for more resilient banks and banking systems (revised June 2011)*, June 2011, www.bis.org/publ/bcbs189.htm; Basel Committee on Banking Supervision, *Basel III leverage ratio framework and disclosure requirements*, January 2014, www.bis.org/publ/bcbs270.htm; Basel Committee on Banking Supervision, *Basel III: The Liquidity Coverage Ratio and liquidity risk monitoring tools*, January 2013, www.bis.org/publ/bcbs238.htm; Basel Committee on Banking Supervision, *Basel III: The Net Stable Funding Ratio*, October 2014, www.bis.org/bcbs/publ/d295.htm.

² Basel Committee on Banking Supervision, *Basel III: Finalising post-crisis reforms*, December 2017, www.bis.org/bcbs/publ/d424.htm.

³ Basel Committee on Banking Supervision, *Minimum capital requirements for market risk*, January 2019, www.bis.org/bcbs/publ/d457.htm.

⁴ Basel Committee on Banking Supervision, *Basel III definition of capital – Frequently asked questions*, December 2011, www.bis.org/publ/bcbs211.htm; Basel Committee on Banking Supervision, *Basel III counterparty credit risk – Frequently asked questions*, December 2012, www.bis.org/publ/bcbs237.htm; Basel Committee on Banking Supervision, *Basel III: The standardised approach for measuring counterparty credit risk: frequently asked questions*, August 2015, www.bis.org/bcbs/publ/d333.htm; Basel Committee on Banking Supervision, *Frequently asked questions on the Basel III leverage ratio framework*, April 2016, www.bis.org/bcbs/publ/d364.htm; Basel Committee on Banking Supervision, *Basel III – The Net Stable Funding Ratio: frequently asked questions*, July 2016, www.bis.org/bcbs/publ/d375.htm; Basel Committee on Banking Supervision, *Frequently asked questions on market risk capital requirements*, January 2017, www.bis.org/bcbs/publ/d395.htm.

2. General

1. In Section 2.1, it is mentioned that banks should calculate capital requirements based on the national implementation of the Basel II framework unless stated otherwise. Does this include deviations from the Basel capital framework if any?

Answer: Yes. In some countries supervisors may have implemented additional rules beyond the Basel capital framework or may have made modifications to the framework in their national implementation, and these should be considered in the calculation of the capital requirements for the purposes of this exercise unless stated otherwise in the Instructions.

2. Some of the data requested are based on standards as they will be applicable in 2022. While we are currently not yet applying IFRS 9, we will apply IFRS 9 in 2022. Therefore, should all 2022 data be reported on an IFRS 9 basis?

Answer: No. All data should be provided based on accounting standards as applicable at the reporting date, with the sole exception of the data to be provided on the "DefCap-Provisioning" worksheet.

3. How should banks fill in the reporting template that are subject to a de minimis exemption from the market risk capital requirements?

Answer: All four cells from C47 to D48 on the "General Info" worksheet should be set to "No".

3. Definition of capital

3.1 General

1. Please clarify what data should be populated in panel E) Memo item: Investments in the capital or other TLAC liabilities of banking, financial and insurance entities that are outside the scope of regulatory consolidation and below the threshold for deduction in the "DefCap" worksheet.

Answer: These cells refer to "Investments in the capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation and where the bank does not own more than 10% of the issued common share capital (excluding amounts held for underwriting purposes only if held for 5 working days or less)" and "below the threshold for deduction". Significant investments in those should be excluded from these cells.

2. Can banks choose whether or not to include the amounts related to defaulted assets in cells D8 and D9 of the "DefCap" worksheet?

Answer: No. Banks in EU countries **must exclude** the amounts related to defaulted assets from cells D8 and D9 of the "DefCap" worksheet and report them separately in cells D10 and D11. Conversely, banks in non-EU countries **must include** these amounts in cells D8 and D9 and leave cells D10 and D11 empty.

3.2 TLAC

–

3.3 TLAC holdings

1. Please clarify what data should be populated in column F of the "TLAC holdings" worksheet: "RWA Impact pure" and the interaction with the "Requirements" sheet.

Answer: The column F ("RWA Impact pure") in "TLAC holdings" works in the same way as column F in panels B2, C2 and D2 of the "DefCap" worksheet. This means that banks need to report the RWA marginal impact of moving from the national implementation of the TLAC holdings standard (column D: "2022 national implementation") to the treatment under the Basel standard (column E: "Basel III pure").⁵

Where national implementation is still underway, banks have two options:

- Reporting in "TLAC holdings" the same amounts in columns D and E and zero in column F. This approach should be followed where it is likely that the national implementation will be aligned to the Basel framework. In this case, to avoid double counting, any impact on RWA deriving from the implementation of the Basel framework for the TLAC instruments needs to be included as a negative number in cell D119 in the "Requirements" worksheet;
- Reporting in "TLAC holdings" different data for the deductions of the TLAC instruments under the draft or final national rules (column D) and the Basel framework (column E) and in column F the marginal impact on RWA. This approach should be followed where national implementation has begun and where banks are able to provide data under the two different regimes (and compute the impact on RWA). In this case, banks are expected to include in the figures reported in cell D119 of the "Requirements" worksheet the RWA of TLAC instruments not yet deducted and not included in the "TLAC holdings" worksheet. This is in order to neutralise what under the current rules (excluding any rules on TLAC deductions) is under the RWA framework but will be deducted from the capital when the TLAC holdings standard is fully implemented.

4. Leverage ratio

1. For cash pooling transactions to be reported on panel A rows 17 and 18, please clarify how banks are to report 'Accounting balance sheet value' (column H) and 'Gross value (assuming no netting or CRM)' (column I). Relatedly, how are banks to report interest associated with cash pooling transaction accounts?

Answer: For 'Accounting balance sheet value' (column H), banks are to report the sum of all cash pooling transactions reported as assets on the bank's accounting balance sheet under its relevant accounting standard with consideration given to the regulatory scope of consolidation. For 'Gross value (assuming no netting or CRM)' (column I), banks are to report the sum of accounting values (net of specific provisions and valuation adjustments), assuming no accounting netting or credit risk mitigation effects. If amounts of interest associated with cash pooling transactions are included on the bank's balance sheet, these amounts should also be included in the values reported in column H and column I.

2. For some cash pooling accounts, transfers of credit and/or debit balances of individual participating accounts into a single account balance take place on a daily basis, while in other

⁵ For further details, refer to the example reported in the Instructions (paragraph 4.2.3) for regulatory adjustments in the "DefCap" worksheet.

cases such transfers only occur on a weekly or monthly basis. How this should be reflected in the reporting of amounts on rows 17 and 18 of panel A?

Answer: All cash pooling accounts (regardless of the frequency of by which balance transfers take place) should be included in row 17. In row 18, banks should report only amounts associated with cash pooling transactions that fulfil the requirements of paragraph 31 of the December 2017 revised leverage ratio standard. Accounts that are subject to balance transfers into a single balance on at least a daily basis are considered to meet the criteria of paragraph 31. Accounts that are not subject to balance transfers on at least a daily basis must be assessed against the criteria in paragraph 31 to determine their measurement for purposes of the leverage ratio.

3. How should banks fill in the mandatory cells in panel A of the "Leverage ratio additional" worksheet if they can only calculate leverage ratio exposures for the end of the quarter?

Answer: In this case please enter the end of quarter values for average, median, max and min (columns D to G of this panel), enter a standard deviation (column H) of zero, frequency (column I) "other" and enter "end of quarter" in columns L/M. The remaining columns should be filled in as appropriate.

4. How should banks treat the CCP leg of client cleared transactions for purposes of reporting potential future exposure (PFE) under the December 2017 leverage ratio framework?

Answer: Banks should provide a value for PFE in row 31 that excludes the amount of PFE associated with the CCP leg of client cleared trade exposures to a QCCP as set out in paragraph 41 of the December 2017 leverage ratio framework.

5. Are the values to be reported in panel F ("Business model categorisation under the 2014 leverage ratio framework") to be reported reflecting any applicable regulatory adjustments?

Answer: Banks should provide values in panel F without application of any associated regulatory adjustments.

6. Please clarify what data is to be provided in row 102 ('Derivatives counterparty credit risk exposure') and row 103 ('Derivatives, potential future exposure (current exposure method; apply regulatory netting) in panel E ('Memo: calculation of revised leverage ratio')

Answer: In row 102, banks are to provide the replacement of derivatives as determined per the 2014 leverage ratio framework. In row 103, banks are to provide the potential future exposure amount of derivatives as determined per the 2014 leverage ratio framework.

5. Liquidity

5.1 General

1. Deleted.
2. Section 2.2 of the instructions states: "Where information is not available, the corresponding cell should be left empty. No text such as "na" should be entered in these cells. However, leaving a cell empty could trigger exclusion from some or all of the analyses if the respective item is required."

We would like to know which information is considered absolutely necessary to be reported so as not to be excluded from the most relevant analysis. At the moment, and given the short time to fill in the templates, we find it difficult to provide some of the breakdowns (eg operational deposits, distinction between non-transactional accounts with and without established relations and credit lines/ liquidity lines).

Answer: All relevant breakdowns on the templates should be filled in on a “best-efforts” basis. Leaving a relevant row blank may distort the end result and may trigger exclusion from the analyses. If cells are not applicable, then they are known to be zero and thus a zero value should be entered in such cells.

5.2 LCR

Questions 3–27 removed.

5.3 NSFR

28. Where the template provides encumbrance terms greater than one year for assets with maturities less than one year, such as in row 150, is it simultaneously possible to have securities with maturities less than one year that are encumbered for greater than one year?

Answer: It is technically possible to encumber assets for longer than their maturity. For example, a bank may transact a one-year repo against a basket of securities and pledge a security that matures in six months. The bank would therefore be required to replace matured covered assets. The same effect could occur in securitisations of revolving assets, such as credit card receivables. If a bank does not undertake this type of activity then it has nothing to report.

29. Regarding secured borrowing in lines 43 through 47, are repos, collateral lending and covered bonds included in this field?

Answer: Yes, the definition of secured borrowing is the same as that used in the LCR: it defines secured funding as “those liabilities and general obligations that are collateralised by legal rights to specifically designated assets owned by the borrowing institution in the case of bankruptcy, insolvency, liquidation or resolution”.

30. Regarding Section 6.2 and in particular Section 6.2.2, of the instructions, please provide additional guidance on how we should treat encumbrances that result from reasons other than pledging or secured funding transactions (ie tied positions).

Answer: Encumbrance should be treated in the same manner regardless of the reason.

31. Where should data for insurance companies, investment companies, etc be reported?

Answer: Data for these entities should be reported in rows 32 and 47 as they are funding from “other legal entities”.

32. In what row should the market value of financial instruments be reported? Are the reported figures supposed to be net figures?

Answer: Assuming that “financial instruments” means derivatives, they should be reported as outlined in Section 6.2.2 of the instructions.

33. Concerning reverse repos, the instructions say they should be treated as secured cash loans.

- In which line(s) should they be reported? As loans depending on the counterparty? If so, this treatment does not seem to agree with paragraph 32 of the Basel III NSFR standards (if the bank will receive cash, then the RSF of the transaction would be 0%).

Answer: Reverse repos should be reported as cash loans according to counterparty. Paragraph 32 is only applicable to assets on balance sheet. Most accounting standards do not result in such assets being recorded on a bank’s balance sheet.

- What distinction is made for the different underlying assets (Level 1, Level 2A, Level 2B, others)?

Answer: Secured loans to financial institutions where such loans are secured against Level 1 assets (and where the bank has the ability to freely rehypothecate the received collateral for the life of the loan) are reported separately from such loans secured by other collateral. See reporting instructions for additional detail.

- What maturity should be considered for assigning the RSF factor, the maturity corresponding to the reverse repo or that of the underlying security?

Answer: The maturity of the reverse repo (secured loan).

- How should reverse repo balances be reported if the collateral received in connection to the reverse repo has been re-hypothecated in a repo or similar transaction?

Answer: If the collateral received in connection to a reverse repo has been re-hypothecated in a repo or similar transaction in which the firm intends to repurchase the collateral, the resulting cash inflows and outflows are assumed to offset and therefore should not be reported. In such cases the balances of the associated reverse repo should be reported as encumbered for the period of re-hypothecation or for the maturity of those balances, whichever is longer. For more information refer to Section 6.2.2 of the Basel III monitoring instructions.

- How should reverse repo balances be reported if collateral received in connection to the reverse repo has been sold outright rather than re-hypothecated in a repo or similar transaction?

Answer: If the collateral received as a result of a reverse repo has been sold, the balances of the reverse repo should be reported as encumbered for a period equal to the entire maturity of the associated reverse repo.

34. How are assets excluded from Level 1 and Level 2 in the LCR because they do not meet the operational requirements (line 60 of the "LCR" worksheet) treated in the NSFR?

Answer: The operational requirements which apply to the LCR are not relevant in the NSFR.

35. The current definition of line 251 (all other assets not included in the above categories) could potentially generate misleading results. A more granular approach would be beneficial for a better understanding and a more accurate reporting of balances.

Answer: Firms can provide to their national supervisors explanatory notes detailing significant exposures in this category upon request.

36. Rows 163 to 168 refer to "residential mortgages of any maturity that would qualify for the 35% or lower risk weight under the Basel II standardised approach for credit risk". Among the "encumbered" classification, it would be useful for analysis purposes to insert a specific sub-category ("of which") with the self-securitisations.

Answer: As this type of encumbrance is not treated differently from other types, no distinction is made in the template. Assets encumbered in self-issued or synthetic (own-name) securitisations should only be reported as encumbered if the securities have been encumbered outside of the reporting entity. For example, if the securities being held by the institution have not been pledged and are still available to raise funding, then the underlying assets can be reported as unencumbered.

37. Concerning derivatives liabilities/assets in lines 49 and 213, is there a reporting distinction for differences in maturity?

Answer: No distinction is made for maturity.

38. Should the time buckets fit the generally binding accounting standards and include the upper bound (≤ 6 months, > 6 months and ≤ 12 months etc)?

Answer: The standard is measured at one year or greater, and the semi-annual buckets were calibrated accordingly.

39. What is the applicable RSF for a plain vanilla reverse repo on a Level 1 asset? Is it 100% as we have to look at the long-term claim which is on the balance sheet or 5% for the collateral held unencumbered? In the first case, is there any liquidity value considered in the NSFR for the Level 1 asset?

Answer: For the purpose of the Basel III monitoring exercise, a reverse repo of any asset for longer than one year is 100%. Therefore, no liquidity value is assigned to the borrowed asset.

40. Some mortgages and loans are only partially secured and are therefore separated into secured and unsecured portions with different risk weights under Basel II. How should these portions be treated in the "NSFR" worksheet?

Answer: Only the portion of the loan with the appropriate risk weight should be reported. The separate portion at a different risk weight should be reported in the row to which it relates. For purposes of Basel III monitoring reporting, institutions can assume that the secured portion of the loan applies to the longest dated ($> one year$) part of the loan, so long as it remains encumbered for that entire period.

41. Net known derivatives (payable or receivables) should be reported in the LCR as well as the NSFR. It is clear that any known (ie non-contingent) cash flow that will take place within 30 days on derivative positions should be included on a net basis (different lines if payable or receivable). However, should FX spot transactions (spot outright (an exchange between two currencies) and not forward contracts) be taken into account? If they should be included in "net know derivatives", are they treated the same if they have same day settlement or if settled with two-day lag (T+2)?

Answer: Known cash flows related to FX spot transactions should be included in the net known derivatives payable/receivable lines of the "LCR" worksheet, regardless of the settlement date (providing it is within the 30-day period).

42. How should the portion of amortising loans that comes due within one year be reported on the "NSFR" worksheet?

Answer: Per paragraph 26 of the Basel III NSFR standards, "for amortising loans, the portion that comes due within the one-year horizon can be treated in the 'less than a year' residual maturity category". Where possible, banks should allocate the amortising portion across the maturity time buckets on the "NSFR" worksheet.

43. When reporting assets posted as initial margin for derivative contracts or provided to contribute to the default fund of a CCP, should the term for which these assets are to be posted be considered when determining the appropriate line items to report balances?

Answer: All assets posted as initial margin for derivative contracts or provided to contribute to the default fund of a CCP should be reported without regard to the term they are to be posted, with the exception of balances reported in line 239. Initial margin balances reported in line 239 should be reported according to the residual maturity of associated derivative contract(s). Banks should not report assets posted as initial margin or provided as default fund contributions in their relevant asset categories as encumbered assets according to their remaining term of encumbrance. A Level 1 asset posted as initial margin for a period greater than one year, for example, should be included in balances reported in lines 232, 235 and 239 (as well as lines 237, 242 and 243, if applicable) but should not be reported in line 126. An asset posted as initial margin for a derivative contract or provided to contribute to the default fund of a CCP should

continue to be reported in its relevant asset category and not with margin balances only if it is subject to a RSF factor greater than 85% when held unencumbered.

6. Monitoring of credit risk reforms

6.1 General

1. Should data for the final Basel III framework provided on the "Credit risk (SA)" and "Credit risk (IRB)" worksheets reflect the full phasing in of IFRS 9 provisions where relevant?

Answer: No. Data for both the current credit risk rules and the final Basel III framework should reflect any transitional rules regarding IFRS 9 provisioning as applied by the bank at the reporting date. In particular, this applies to

- All exposure and RWA amounts reported on the "Credit risk (SA)" worksheet; and
- Provisions provided in columns AL to AO as well as to the standardised approach exposures and RWAs provided in columns BW to CF and CM to CO of the "Credit risk (IRB)" worksheet.

The Committee collects data on the impact of IFRS 9 provisioning separately on the "DefCap-provisioning" worksheet.

6.2 Worksheet "Credit risk (SA)"

1. Can banks report standardised approach real estate exposures under both the loan splitting approach and the whole loan approach?

Answer: No, banks should report their real estate exposures under either the loan splitting approach or the whole loan approach. The relevant supervisor will provide guidance to reporting banks as to which of the two approaches all banks in their jurisdictions should use.

2. Some non-banks can be treated as banks under paragraph 37 of the standardised approach of Basel III if the national supervisor determines that the regulatory and supervisory framework in their jurisdiction is equivalent to the one that applies to banks. What approach should banks follow when completing the template?

Answer: National supervisors will provide guidance on this to reporting banks in their jurisdiction.

3. How should commercial real estate exposures, where repayment is materially dependent on cash flows generated by the property securing the loan, be reported?

Answer: Commercial real estate exposures, where repayment is materially dependent on cash flows generated by the property securing the loan, should be reported in rows 121 to 128 of the worksheet. However, there is one exception. In cases where national supervisors have exercised discretion to allow banks to apply footnote 49 of the Dec 2017 Basel III framework, banks should report exposures which meet the conditions in footnote 49 in rows 112 to 120 of the worksheet.

4. The logic check in cell AC123 checks that the inferred average risk weight for income-producing residential real estate is within 5% of 37.5%. Should the reference point be 35% instead?

Answer: Yes, please ignore any errors flagged by this particular check.

6.3 Worksheet "Credit risk (IRB)"

1. Under the AIRB approach there is a parameter floor on EAD (calculated as the on-balance sheet exposure plus 50% of the off-balance sheet exposure calculated using the applicable credit conversion factor). Should banks apply this parameter floor to retail exposures as well as corporate exposures?

Answer: As set out in Table 3 of the Basel III summary document⁶ the floor applies to both retail and corporate exposures. This is clearly stated in paragraph 105 of the IRB approach for corporate exposures. The lack of reference to the EAD floor in the Basel III IRB retail section was an oversight that will be corrected in due course. Banks must apply the EAD floor to both corporate and retail exposures in completing the "Credit risk (IRB banks)" worksheet.

2. Under the revised framework, has the 1.06 scaler that applies to RWA calculated under the IRB approach been removed for all exposures including sovereign exposures?

Answer: Yes. Footnote 3 of Basel III (December 2017) removes the 1.06 scaler for all risk-weighted asset amounts calculated under the IRB approach. Banks must not apply the 1.06 scaler in the RWA amounts reported in the revised IRB framework section of the "Credit risk (IRB banks)" worksheet.

3. Deleted.

4. How should equity exposures be reported in panel B of the "Credit risk (IRB)" worksheet?

Answer: In addition to reporting equity exposures in rows 50 to 53 of panel A, banks should report equity exposures in panel B. In panel B, exposures subject to a grandfathering treatment should be in row 76, typically with an EL amount of 0. Non-grandfathered exposures should be reported in row 75.

5. In columns CM and CN of panel A of the "Credit risk (IRB)" worksheet, should exposures be reported gross or net of provisions?

Answer: In columns CM and CN of panel A of the "Credit risk (IRB)" worksheet, exposures should be reported fully in line with the standardised approach exposure definition, in particular **net** of specific provisions (including partial write-offs). Any warnings in column CP which are triggered because of this should be ignored.

6.4 Worksheet "Securitisation"

–

7. Operational risk

1. How should banks interpret the term "gross" in the description of "BI gross of excluded divested activities (per supervisory approval)" under row 69?

Answer: Banks should report in row 69 an adjusted Gross Income which exclude divested activities (after application of paragraph 30). This row will be used to analyse the impact of paragraph 30 in the 'OpRisk' under the final Basel III framework. Furthermore, under panel B banks should use the regulatory scope of consolidation at the specific reporting year (before application of paragraph 30).

⁶ See www.bis.org/bcbs/publ/d424_hlsummary.pdf.

The above reporting would be consistent to Panel C, ie reporting in the first step values without considering supervisory approval (rows 30–35 and rows 46–53) and in the second step considering supervisory approval (rows 40–42 and 56–58).

8. Trading book

8.1 Worksheet “TB”

1. Deleted.
2. Deleted.
3. Deleted.
4. Deleted.
5. Deleted.
6. Deleted.
7. What is curvature risk calculation that must be applied under the downward scenario (CVR_k^-) per MAR21.5(2)(f) in the January 2019 market risk framework?

Answer: CVR_k^- must be calculated as follows:

$$CVR_k^- = -\sum_i \left\{ V_i \left(x_k^{RW(Curvature)^-} \right) - V(x_k) + RW_k^{Curvature} \times s_{ik} \right\}$$

Please note that the standard published on 14 January 2019 contained a typo in the operator that precedes the $RW_k^{Curvature} \times s_{ik}$ component. For this Basel III monitoring exercise, banks must use the above formula, which has been included in the corrected version of the standard made available on 25 February 2019.

8. How should a bank that uses the internal models approach report the capital requirement for the non-modellable risk factors (ie SES) per risk class under the January 2019 market risk framework?

Answer: Per each risk class, a bank must report data for each term in the below formula (see MAR33.17):

$$SES = \sqrt{\sum_{i=1}^I ISES_{NM,i}^2} + \sqrt{\sum_{j=1}^J ISES_{NM,j}^2} + \sqrt{\left(\rho^* \sum_{k=1}^K SES_{NM,k} \right)^2 + (1 - \rho^2)^* \sum_{k=1}^K SES_{NM,k}^2}$$

Please note that the template is updated to reflect the revised formula in the January 2019 market risk framework. A bank must report the sum of SES of each non-modellable risk factor in that risk class and the sum of squared SES. For credit spread and equity risk, a bank may recognise idiosyncratic risk in accordance to MAR33.16 and MAR33.17. Capital measure for such idiosyncratic non-modellable risk factors must be reported in column I as the sum of squared ISES (ie $\sum ISES^2$). For credit spread and equity risk, the capital measures reported in columns G and H ($\sum SES$ and $\sum SES^2$) must exclude the capital measure from the idiosyncratic risk.

8.2 Worksheet "TB IMA Backtesting-P&L"

1. Deleted.
2. Deleted.
3. Deleted.
4. Deleted.
5. Deleted.
6. Deleted.

9. CVA

1. Deleted.
2. Deleted.
3. Deleted.
4. Deleted.
5. Deleted.
6. Deleted.
7. Deleted.

10. Counterparty credit risk

1. Are the trade exposures to CCPs and QCCPs, which are to be reported on the "Requirements" worksheet, also to be included in panel A of the "CCR and CVA" worksheet for the overall CCR exposures and RWA?

Answer: Yes, the trade exposures to CCPs and QCCPs should be included in panel A, with associated netting sets reported per the counterparty credit risk methodology by which the banks determines capital requirements for those exposures.

2. The "CCR and CVA" worksheet for the end-June 2018 Basel III monitoring exercise had a panel A – "Exposures to central counterparties". This panel had default fund as a line item. For the end-December 2018 exercise, this entire panel does not exist.

- Should the default fund contribution to the QCCPs and non-QCCPs be included as an exposure and where (what line item)?
- If yes, please confirm whether banks should provide the corresponding default fund RWAs and where (what line item).

Answer: Exposures and RWA from default fund contributions and trade exposures to CCPs are collected in panel A of the "Requirements" worksheet.

Default fund contributions should be entered in row 37 of the "Requirements" worksheet. This is the only place in the template where default fund contributions should be reported – they should **not** be reported in panel A of the "CCR and CVA" worksheet.

For trade exposures to CCPs, these should **also** be reported in panel A on the "CCR and CVA" worksheet which provides more details for CCR exposures that are expected to be reported in panel A1 of the "Credit risk (SA)", "Credit risk (IRB)" or "Requirements" worksheet. Trade exposures should only be reported in row 37 of the "Requirements" worksheet if they are not already reported in panel A1 on the "Credit risk (SA)" or "Credit risk (IRB)" worksheet.