## HOW TO UNDERSTAND THE HARMONISED ANNEX?

May 2020

## DISCLAIMER AND LIST OF ABBREVIATIONS

## IMPORTANT NOTICE:

The information and guidance provided in this document are intended to contribute to a better understanding of the Harmonised Annex. Certain unessential aspects of the calculation methodology adopted and the mathematical operations performed in this document may slightly differ from those adopted and performed in the corresponding steps under the SRB Calculation Tool. The figures provided in this document are for illustrative purpose only and do not correspond to the relevant numbers for the 2020 contributions.

This document is intended purely as a guidance tool - only the text of the applicable EU legislation has legal force and is liable to create rights and obligations for individuals. This guidance is not intended to be relied upon for purposes other than description, nor should be regarded as creating any enforceable right or expectation. The views expressed in this guidance shall not be construed as binding the Single Resolution Board and are without prejudice to the position that it might take, or has previously taken, in other contexts. Neither the Single Resolution Board nor any person acting on behalf of the Single Resolution Board may be held accountable for the use which might be made of the information included therein. As this guidance reflects the state of the art at the time of its drafting, it should be regarded as a 'living tool' and its content may be subject to modifications without notice.

## List of abbreviations:

- CIR shall be read as Council Implementing Regulation (EU) 2015/81.
- DR shall be read as Commission Delegated Regulation (EU) 2015/63.
- MD stands for 2020 Master Decision and refers to the Decision of the Single Resolution Board of 15 April 2020 on the calculation of the 2020 ex-ante contributions to the Single Resolution Fund (SRB/ES/2020/24).


## INTRODUCTION: TYPES OF HARMONISED ANNEXES (1/2)

| A. Lump sum - small institutions paying a lump-sum contribution |  |
| :--- | :--- |
| 2020 SRF Data Reporting Form | The contributions of these institutions are calculated in accordance with Article 10 of Commission Delegated Regulation <br> 2015/66 ("DR"). In case an institution qualifies for lump-sum contribution, the field 2B2 in the 2020 SRF Data Reporting Form <br> is prefilled with "Yes". These institutions need to fill in Tab 1 "General information" and sections A and B of Tab 2 "Basic <br> annual contribution". |
| Please refer to section 5 "Calculation methodology", sub-section 5.3 "Lump-sum contributions for small institutions" in the  <br> 2020 Master Decision 2020 Master Decision ("MD"). |  |

## B. Article 10(7) - institutions that have opted for the alternative calculation under Art. 10(7) DR

2020 SRF Data Reporting Form | When an institution qualifies for lump-sum contribution, in accordance with Article 10(7) it can also opt for the calculation of an |
| :--- |
| alternative contribution amount. In such case, institution needs to fill in "Yes" in field 2B3 in the 2020 SRF Data Reporting Form, |
| and provide all necessary additional information in section C of Tab 2 "Basic annual contribution" and Tab 3 "Deductions". |

2020 Master Decision Please refer to section 5 "Calculation methodology", sub-section 5.3 "Lump-sum contributions for small institutions" in the MD.

## INTRODUCTION: TYPES OF HARMONISED ANNEXES (2/2)

C. Basic - Mortgage credit institutions financed by covered bonds and investment firms authorized to carry out only limited services and
activities

2020 SRF Data Reporting Form
When an institution is a mortgage credit institution financed by covered bonds ${ }^{1}$ or an investment firm authorized to carry out only limited services and activities fields 1 C10 or 1C8, respectively, are filled with "Yes" in the 2020 SRF Data Reporting Form. In case their size does not allow them to qualify for lump-sum contribution, a special calculation method is applied:

- For mortgage credit institutions financed by covered bonds: $50 \%$ is applied on their Basic Annual Contribution
- For investment firm authorized to carry out only limited services and activities: the contribution amount is equal to their Basic Annual Contribution
These institutions need to fill in only Tab 1 "General information", Tab 2 "Basic annual contribution" and Tab 3 "Deductions".
- For mortgage credit institutions financed by covered bonds: please refer to section 5 "Calculation methodology", subsection 5.6 "Mortgage credit institutions financed by covered bonds which, according to national law, are not allowed to receive deposits" in the MD.
- For investment firms authorized to carry out only limited services and activities: please refer to section 6 "Investment firms with limited services and activities" in the MD.
D. Risk Adjusted and Article 8(5)-institutions paying a contribution that has been calculated applying a risk adjustment factor


## 2020 SRF Data Reporting Form

2020 Master Decision

These institutions should fill in all Tabs in the 2020 SRF Data Reporting Form.
Please refer to section 5 "Calculation methodology", sub-section 5.2 "Calculation of the risk-adjusted contributions". For institutions whose total assets are above EUR 1 bn, but equal to, or less than, EUR 3 bn, please refer to sub-section 5.5 "Partial lump-sum contributions" in the MD. For small institutions that have a risk profile that is disproportionate to their small size, please refer to sub-section 5.4 "Small institutions that have a risk profile that is disproportionate to their small size" in the MD.

[^0]${ }^{2}$ investment firm authorized to carry out only limited services and activities' means investment firms as defined in point (2) of Article 4(1) of Regulation (EU) No 575/2013 that is subject to the initial capital requirement laid down in Article 28(2) of Directive 2013/36/EU, which fall within the definition of Article 96(1)(a) or (b) of Regulation (EU) No 575/2013 or which carry out activity 8 of Annex I Section A of Directive 2004/39/EC but which do not carry out activities 3 or 6 of Annex I Section A of that Directive. This investment firm shall also be covered by the consolidated supervision of the parent undertaking carried out by the ECB in accordance with Article 4(1)(g) of Regulation (EU) No 1024/2013.
A. LUMP-SUM

## Example A.1: 2020 ex-ante contribution calculated for small institutions paying a lump-sum contribution

## Determination of size of the institution (field codes refer to the 2020 SRF reporting form)

Total liabilities

- Own funds
- Covered deposits
Total


310,000,000.0000 50,000,000.0000 200,000,000.0000 60,000,000.0000

When is an institution eligible for lump-sum?

- Total Assets < $€ 1$ bn; and
- Base (total liabilities - own funds - covered deposits) of an institution $\leq € 300 \mathrm{~m}$

How is the gross contribution determined?

| Base of institution | Gross contribution |
| :---: | :---: |
| base $\leq € 50 \mathrm{~m}$ | $1,000 €$ |
| $€ 50 \mathrm{~m}$ < base $\leq € 100 \mathrm{~m}$ | $2,000 €$ |
| $€ 100 \mathrm{~m}$ < base $\leq € 150 \mathrm{~m}$ | $7,000 €$ |
| $€ 150 \mathrm{~m}$ < base $\leq € 200 \mathrm{~m}$ | $15,000 €$ |
| $€ 200 \mathrm{~m}$ < base $\leq € 250 \mathrm{~m}$ | $26,000 €$ |
| $€ 250 \mathrm{~m}$ < base $\leq € 300 \mathrm{~m}$ | $50,000 €$ |

[^1]
## Example B.1: 2020 ex-ante contribution calculated for lump-sum institution that opted for the alternative calculation

| Calculation of gross contribution |  |  |
| :---: | :---: | :---: |
|  | SRMR (80\%) | BRRD (20\%) |
| STEP 1 Lump sum amount | 50,000.00 | 50,000.00 |
| STEP 2 Relevant target (as above) | 7,100,000,000.0000 | 300,000,000.0000 |
| BAC numerator (as above) | 252,000,000.0000 | 252,000,000.0000 |
| BAC denominator (as above) | 37,000,000,000,000.0000 | 200,000,000,000.0000 |
| Outcome of alternative calculation | 48,356.76 | 378,000.00 |
| STEP 3 Lower of the two amounts | 48,356.76 | 50,000.00 |
| STEP 42020 contribution | 48,685.41 |  |

## Legend:

- $B_{n}$ is the BAC numerator
- $\sum_{p=1}^{N} B_{p}$ is the BAC denominator
- target is the original target excluding the lump-sum contributions


## How is the 2020 contribution calculated?

For lump-sum institutions that have opted for an alternative calculation, the 2020 ex-ante contribution is determined by comparing the lump sum amount to the alternative calculation (sub-section 5.3 paragraph (56) of MD).

STEP 1: determine the lump-sum amount based on institution's base (i.e. total liabilities - own funds - covered deposits)

STEP 2: calculate the alternative amount in SRMR and BRRD:
target $\times \frac{B_{n}}{\sum_{p=1}^{N} B_{p}}$
Ex:

- In SRMR: 7,100,000,000 x 252,000,000 / 37,000,000,000,000 = 48,356.76
- In BRRD: 300,000,000 x 252,000,000 / 200,000,000,000 = 378,000.00

STEP 3: choose the lower of the two amounts (i.e. lump sum or alternative) in SRMR and BRRD

Ex:

- In SRMR: $\min [50,000.00 ; 48,356.76] \rightarrow 48,356.76$
- In BRRD: $\min [50,000.00 ; 378,000.00] \rightarrow 50,000.00$

STEP 4: determine the 2020 contribution by applying the relative weights: $80 \%$ - SRMR and $20 \%$ - BRRD

Ex: $0.80 \times 48,356.76+0.20 \times 50,000=48,685.41$

* Institutions that have opted for the alternative calculation under Article 10(7) DR.


## C. BASIC

## Example C.1: 2020 ex-ante contribution calculated for investment firms with limited services and activities

## Calculation of gross contribution

STEP 1 Relevant target (as above) BAC numerator (as above) BAC denominator (as above) Outcome calculation

STEP 22020 contribution

| SRMR (80\%) | BRRD (20\%) |
| ---: | ---: |
| $6,100,000,000.0000$ | $200,000,000.0000$ |
| $750,000,000.0000$ | $750,000,000.0000$ |
| $15,000,000,000,000.0000$ | $350,000,000,000.0000$ |
| $305,000.00$ | $428,571.43$ |
| $329,714.29$ |  |

STEP 2: determine the 2020 contribution by applying the relative weights: $80 \%$ - SRMR and $20 \%$ - BRRD
Ex: $0.80 \times 305,000+0.20 \times 428,571.43=329,714.29$

How is the 2020 contribution calculated?

For investment firms with limited services and activities that do not qualify for a lump sum, the contribution is equal to their Basic Annual Contribution (section 6 paragraph (63) (b) of MD):
target $\times \frac{B_{n}}{\sum_{p=1}^{N} B_{p}}$
STEP 1: calculate the basic annual contribution in SRMR and BRRD:
Ex:

- In SRMR: 6,100,000,000 x 750,000,000 / 15,000,000,000,000 = 305,000.00
- In BRRD: 200,000,000 x 750,000,000 / 350,000,000,000 = 428,571.43

Example C.2: 2020 ex-ante contribution calculated for mortgage credit institutions financed by covered bonds

## Calculation of gross contribution

STEP 1 Relevant target (as above) BAC numerator (as above) BAC denominator (as above) Outcome calculation

| SRMR (80\%) | BRRD (20\%) |
| ---: | ---: |
| $6,100,000,000.0000$ | $200,000,000.0000$ |
| $750,000,000.0000$ | $750,000,000.0000$ |
| $15,000,000,000,000.0000$ | $350,000,000,000.0000$ |
| $152,500.00$ | $214,285.71$ |

STEP 22020 contribution

STEP 2: determine the 2020 contribution by applying the relative weights: $80 \%$ - SRM and $20 \%$ - BRRD Ex: $0.80 \times 152,500+0.20 \times 214,285.71=164,857.14$

How is the 2020 contribution calculated?
For mortgage credit institutions financed by covered bonds that do not qualify for a lump sum, the contribution is calculated using only $50 \%$ of their Basic Annual Contribution (sub-section 5.6 of MD):
target $\times \frac{B_{n}}{\sum_{p=1}^{N} B_{p}} \times \frac{1}{2}$
STEP 1: calculate the basic annual contribution in SRMR and BRRD:
Ex:

- In SRM: 6,100,000,000 x 750,000,000 / 15,000,000,000,000 x 1⁄2 = 152,500.00
- In BRRD: 200,000,000 x 750,000,000 / 350,000,000,000 x 1/2 $=$ 214,285.71

Repeat STEPS 1 and 2 as for investment firms with limited services and activities, but note that for mortgage credit institutions financed by covered bonds, in order to calculate the "Outcome calculation" 50\% of the Basic Annual Contribution is taken into account

## Example D.1: Calculation of the Risk Adjustment Factor (1/2)

| Risk-adjustment factor (field codes refer to the 2020 SRF reporting template) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PILLAR I: Risk exposure |  | Weight 50.00\% | STEP 1 <br> Number of bins (DR, Annex I, Step 2) | Bin number <br> (DR, Annex I, <br> Step 2) | Sign (DR, Annex I, Step 4.1) | STEP 2 <br> Score of bin (TRI) (DR, <br> Annex I, Step 4.2) |
| Leverage ratio |  | 33.33\% | 19 | 1 | - | 1.0000 |
| CET1 ratio (CET1 capital / Total Risk Exposure) |  | 33.33\% | 20 | 13 | - | 631.9474 |
| Total Risk Exposure / Total Assets |  | 33.33\% | 21 | 5 | + | 800.2000 |
| PILLAR II: Stability and variety of sources of funding |  | 20.00\% |  |  |  |  |
| Liquidity Coverage Ratio |  | 100\% | 21 | 15 | - | 700.3000 |
| PILLAR III: Importance of an institution to the stability of the financial system or economy |  | 10.00\% |  |  |  |  |
| Share of interbank loans and deposits in the EU |  | 100\% | 20 | 4 | + | 842.2632 |
| PILLAR IV: Additional risk indicators |  | 20.00\% |  |  |  |  |
| Risk weighted assets for market risk divided by Total Assets Risk weighted assets for market risk divided by CET1 |  | 5\% | 21 | 1 | + | 1000.0000 |
|  |  | 5\% | 20 | 1 | + | 1000.0000 |
| Risk weighted assets for market risk divided by total risk exposure |  | 5\% | 19 | 1 | + | 1000.0000 |
| Off-balance sheet nominal amount divided by Total Assets Off-balance sheet nominal amount divided by CET1 <br> Off-balance sheet nominal amount divided by total risk exposure |  | 5\% | 21 | 6 | + | 750.2500 |
|  |  | 5\% | 19 | 7 | + | 667.0000 |
|  |  | 5\% | 19 | 19 | + | 1.0000 |
| Derivatives exposure divided by Total Assets |  | 5\% | 21 | 1 | + | 1000.0000 |
| Derivatives exposure divided by CET1Derivatives exposure divided by total risk exposure |  | 5\% | 19 | 14 | + | 278.5000 |
|  |  | 5\% | 19 | 14 | + | 278.5000 |
| Membership in an Institutional Protection Scheme $\quad$ 1C4 | Yes | 45\% |  |  | - | 777.8000 |
| IPS bin | 2.0000 |  |  |  |  |  |
| Multiplier factor for the IPS indicator | 777.8000 |  |  |  |  |  |
| Extent of previous extraordinary public financial support 4D17 | No | 10\% |  |  | + | 1000.0000 |
| Calculation of SRM risk-adjustment factor |  |  |  |  |  |  |
| Pillar I- Composite Indicator (DR, Annex I, Step 5) | 477.6680 |  |  |  |  |  |
| Pillar II - Composite Indicator (DR, Annex I, Step 5) | 700.3000 |  |  |  |  |  |
| Pillar III- Composite Indicator (DR, Annex I, Step 5) | 842.2632 |  |  |  |  |  |
| Pillar IV - Composite Indicator (DR, Annex I, Step 5) | 748.7725 |  |  |  |  |  |
| Composite Indicator (DR, Annex I, Step 5) | 597.0829 |  |  | Minimum FCl |  | 66.397703393189 |
| Final Composite Indicator (FCI) (DR, Annex I, Step 5) | 402.9171 |  |  | Maximum FCl |  | 961.431578011444 |
| Risk Adjustment Factor (DR, Annex 1, Step 6) | 189532847 |  |  |  |  |  |

## $\longrightarrow$ How is the Risk Adjustment Factor calculated?

For risk-adjusted institutions, the basic annual contributions of the institutions are further adjusted in proportion to their risk profile (subsection 5.2 of MD).

STEP 1: following the "Discretization of the Indicators" in Annex I Step 2 of the DR, a number of bins per indicator is determined and institutions are assigned to one of these bins according to the value taken by their risk indicator. Institutions with the lowest value of the raw indicators are assigned to the first bins and institutions with the highest value to the last bin.

Ex. In Pillar I, indicator "Leverage ratio", there are 19 bins. Based on the value of the leverage ratio raw indicator, the institution was placed in bin 1 (hence, it has the lowest value of the raw indicators).

STEP 2: rescaling of indicators (including the assigned sign) is performed by applying the following formulas:

$$
\begin{cases}(1000-1) \cdot \frac{I_{k, n}-\min _{n} I_{k, n}}{\max _{n} I_{k, n}-\min _{n} I_{k, n}}+1 & \text { if sign }='^{\prime}- \\ 1001-\left((1000-1) \cdot \frac{I_{k, n}-\min _{n} I_{k, n}}{\max _{n} I_{k, n}-\min _{n} I_{k, n}}+1\right) & \text { if sign }='+{ }^{\prime}\end{cases}
$$

Ex: In Pillar I:

- "CET1 ratio" with negative sign: $(1000-1) \times(13-1) /(20-1)+1=999 \times$ $12 / 19+1=631.9474$
- "TRE/TA" with positive sign: $1001-((1000-1) \times(5-1) /(21-1)+1)=1001$ $-(999 \times 4 / 20+1)=1001-200.8000=800.2000$
* Mid-size institutions as defined in Article 8(5) of CIR.

Note: The steps described in these slides do not correspond to steps in Annex I of the DR.

## D. RISK ADJUSTED AND ARTICLE 8(5)

## Example D.1: Calculation of the Risk Adjustment Factor (2/2)



## D. RISK ADJUSTED

## Example D.2: 2020 ex-ante contribution calculated for risk-adjusted institution that does not qualify for Art. 8(5) of CIR

| Calculation of gross contribution (DR, Annex I, Step 6) |  |  |
| :---: | :---: | :---: |
|  | SRMR (80\%) | BRRD (20\%) |
| EP 1 (a) Relevant target (as above) | 5,100,000,000.0000 | 100,000,000.0000 |
| (b) BAC numerator ( Bn , as above) | 900,000,000.0000 | 900,000,000.0000 |
| (c) BAC denominator* | 13,000,000,000,000.0000 | 300,000,000,000.0000 |
| (d) Risk Adjustment Factor ( R̃n, as above) | 1.063189533 | 1.443210000 |
| (e) Sum of risk adjusted BACs** | 18,700,000,000,000.0000 | 4,000,000,000,000.0000 |
| Outcome calculation*** | 260,964.70 | $32,472.23$ |
| EP 22020 contribution | 215,266.21 |  |

What is the sum of risk adjusted BACs?
The sum of risk adjusted BACs can be expressed in the following formula:
$\sum_{p=1}^{N} B_{p} * \tilde{R}_{p}$

Ex: hypothetical environment with only three institutions

|  | BAC | RAF | BAC $\mathbf{x}$ RAF |
| :--- | ---: | ---: | ---: |
| Bank A | 900 | 0.9 | 810 |
| Bank B | 500 | 1.35 | 675 |
| Bank C | 750 | 1.5 | 1,125 |
| SUM | $\mathbf{2 , 1 5 0}$ |  | $\mathbf{2 , 6 1 0}$ |

[^2]How is the 2020 contribution calculated?
The 2020 contribution of risk-adjusted institutions depends on the relevant target, relative size of its basic annual contribution and its risk:

$$
\operatorname{Target} * \frac{\frac{B_{n}}{\sum_{p=1}^{N} B_{p}} * \tilde{R}_{n}}{\sum_{p=1}^{N}\left(\frac{B_{p}}{\sum_{q=1}^{N} B_{q}} * \tilde{R}_{p}\right)}=(a) * \frac{\frac{(b)}{(c)} *(d)}{\frac{(e)}{(c)}}
$$

STEP 1: calculate the contribution amount in SRMR and BRRD.
Ex:

- In SRMR: 5,100,000,000 x (900,000,000/13,000,000,000,000) x 1.063189532847 / (18,700,000,000,000/13,000,000,000,000) = 260,964.70
- In BRRD: 100,000,000 x (900,000,000/300,000,000,000) x 1.443210000 / $(4,000,000,000,000 / 300,000,000,000)=32,472.23$

STEP 2: determine the 2020 contribution by applying the relative weights: $80 \%$ - SRMR and $20 \%$ - BRRD

Ex: $0.80 \times 260,964.70+0.20 \times 32,472.23=215,266.21$

## D. ARTICLE 8.5

Example D.3: 2020 ex-ante contribution calculated for risk-adjusted institution that qualifies for Art. 8(5) of CIR

## Basic Annual Contribution (BAC): numerator (field codes refer to the 2020 SRF reporting template)

Total liabilities

- Own funds
- Covered deposits


## Sub total

+/- Derivative adjustment (If applicable; see last page)

- Deductions (If applicable; see last page)
- Liabilities treated according to Art. 8(5) CIR

| 2A1 | $2,000,000,000.0000$ |
| ---: | ---: |
| 2A2 | $200,000,000.0000$ |
| 2A3 | $800,000,000.0000$ |
|  | $\mathbf{1 , 0 0 0 , 0 0 0 , 0 0 0 . 0 0 0 0}$ |
|  | $65,000,000.0000$ |
|  | $15,000,000.0000$ |
|  | $300,000,000.0000$ |
|  |  |
|  |  |
|  |  |

## Calculation of gross contribution (DR, Annex I, Step 6)

STEP 2 (a) Relevant target (as above)
(b) BAC numerator ( Bn , as above)
(c) BAC denominator*
(d) Risk Adjustment Factor ( R̃n, as above)
(e) Sum of risk adjusted BACs**

Outcome calculation***
Of which: EUR 50.000 for liabilities treated in accordance with Article 8(5) CIR
2020 contribution
229,388.51

How is the 2020 contribution calculated?
In accordance with Art. 8(5) of Council Implementing Regulation (EU) 2015/81, the 2020 contribution of institutions whose total assets are above $€ 1$ bn, but equal to, or less than, $€ 3$ bn pay a lumpsum of $€ 50,000$ for the first $€ 300 \mathrm{~m}$ of total liabilities excluding own funds and covered deposits. For the remaining total liabilities, institutions contribute in accordance with the risk-adjusted regime of the $D R$.

STEP 1: calculate the BAC numerator* by excluding liabilities treated in accordance with Art. 8(5).

Ex. $\max (2,000,000,000-200,000,000-800,000,000+65,000,000-$ $15,000,000-300,000,000 ; 0)=750,000,000$

STEP 2: calculate the contribution amounts in SRMR and BRRD.

$$
\text { Target } * \frac{\frac{B_{n}}{\sum_{p=1}^{N} B_{p}} * \tilde{R}_{n}}{\sum_{p=1}^{N}\left(\frac{B_{p}}{\sum_{q=1}^{N} B_{q}} * \tilde{R}_{p}\right)}=(a) * \frac{\frac{(b)}{(c)} *(d)}{\frac{(e)}{(c)}}
$$

Ex:

- In SRMR
> For the first $300 \mathrm{~m}: 50,000$
> For the remaining $750 \mathrm{~m}: 5,100,000,000 \times$ $(750,000,000 / 13,000,000,000,000) \times 1.063189532847$ / (18,700,000,000,000/13,000,000,000,000) =


## 217,470.59

> Total: 50,000 $+217,470.59=267,470.59$

- In BRRD:
- For the first $300 \mathrm{~m}: 50,000$
> For the remaining 750 m : 100,000,000 $\times(750,000,000 /$ $300,000,000,000) \times 1.44321000000$ / $(4,000,000,000,000 / 300,000,000,000)=27,060.19$
> Total: $50,000+27,060.19=77,060.19$


## E. SRM AND BRRD CALCULATION DETAILS

## Example E.1: SRM and BRRD calculation details

| SRMR (80\%) | BRRD (20\%) | During the transitional period, the ex-ante contributions are calculated in accordance with the adjusted methodology laid down in Article 8(1) of the Council Implementing Regulation (EU) 2015/81. (27) For the 2020 contribution period, for all institutions (section 5 of MD): |
| :---: | :---: | :---: |
|  |  |  |
|  |  | - $20 \%$ of the annual contributions were calculated in accordance with Article 103 of Directive 2014/59/EU and Article 4 of Commission Delegated Regulation (EU) 2015/63 ("National Base" or, in the annexes "BRRD"), and |
|  |  | - $80 \%$ of the annual contributions were calculated in accordance with Articles 69 and 70 of Regulation (EU) No 806/2014 and Article 4 of Council Implementing Regulation (EU) 2015/81 ("Euro Area Base" or, in the annexes, "SRMR"). |
|  |  | Ex: For risk-adjusted institutions the risk adjustment factor is calculated twice: on the National Base and the Euro Area Base Therefore, institutions' basic annual contributions are adjusted in proportion to their risk profile twice: on the National Base and the Euro Area Base (which might result in different contributions). The final contribution is then weighted $20 \%$ on the National Base contribution and $80 \%$ on the Euro Area Base contribution. |


#### Abstract

Note: For the calculation of the part of the annual contributions in the National Base, only data from institutions that are authorised in the territory of that participating Member State are taken into account, while data from institutions that are authorised in the territories of other participating Member States are not considered. Consequently, the target used for this calculation is defined on a National Base taking into account only the covered deposits of the credit institutions in the relevant participating Member State. In the same way, the relative riskiness and the relative size of an institution are assessed only in comparison with the riskiness and the size of institutions authorised in the territory of the same participating Member State. For the calculation of the part of annual contributions in the Euro Area Base, data from all institutions authorised in the territories of all participating Member States are taken into account. Consequently, the annual target level is defined based on the covered deposits of all credit institutions established in the participating Member States, and the relative riskiness and size of the institutions are assessed in comparison with all such institutions. The methodology for calculating the contributions is the same in both calculations.


## F. BASIC ANNUAL CONTRIBUTION

Example F.1: How are the intermediate steps for Basic Annual Contributions calculated? Applicable for 10.7, Basic, Risk Adjusted institutions, and Article 8.5

## Input values used in the calculation (field codes refer to the 2020 SRF data reporting form) in addition to the ones mentioned above to identify the BAC

| Adjustment of liabilities arising from derivative contracts (excluding credit derivatives) |  |  |  |  |
| :--- | :--- | ---: | :---: | :---: |
| 2C1 | Liabilities arising from all derivative contracts (excluding credit derivatives) valued in accordance with the | $60,000,000.0000$ |  |  |
| 2C2 | Accounting value of liabilities arising from all derivative contracts (excluding credit derivatives) booked on- | $45,000,000.0000$ |  |  |
| 2C3 | Accounting value of liabilities arising from all derivative contracts (excluding credit derivatives) held off-balance | $5,000,000.0000$ |  |  |
| Derivative adjustment (-2C2+max(2C1;0.75*(2C2+2C3)) |  |  |  | $\mathbf{1 5 , 0 0 0 , 0 0 0 . 0 0 0 0}$ |


| Deductions according to Article 5(1) of Delegated Regulation 2015/63 |  |  |
| ---: | :--- | ---: |
| 3A8 | Total deductible amount of qualifying liabilities related to clearing activities | 0.0000 |
| 3B8 | Total deductible amount of qualifying liabilities related to CSD activities | 0.0000 |
| 3C8 | Total deductible amount of qualifying liabilities that arise by virtue of holding client assets or client money | 0.0000 |
| 3D8 | Total deductible amount of qualifying liabilities that arise from promotional loans | 0.0000 |
| 3E11 | Total deductible amount of assets and liabilities arising from qualifying IPS liabilities | $50,000.0000$ |
| 3F11 | Total deductible amount of assets and liabilities arising from qualifying intragroup liabilities | $100,000.0000$ |

How is the total deduction amount calculated?

The total deduction amount is calculated by taking fields 3A8, 3B8, 3C8, 3D8, 3E11 and 3F11 in the 2020 SRF Data Reporting Form and summing up all amounts.

Ex: $50,000+100,000=150,000$

How is the derivative adjustment calculated?

Derivative adjustment is calculated by taking fields 2C1, 2C2 and 2C3 in the 2020 SRF Data Reporting Form and applying the following formula (subsection 5.1 of MD):

- ONBS + max[LR; $0.75 \times$ (ONBS + OFFBS)]
which means that accounting value of liabilities arising from derivative contracts booked on balance sheet is deducted (- ONBS) and replaced with the highest of either on- and off-balance sheet liabilities arising from derivative contracts valued in accordance with the leverage ratio methodology or $75 \%$ of the sum of on- and off- balance sheet accounting value of liabilities arising from derivative contracts (+ max[LR; $0.75 \times($ ONBS + OFFBS) $]$ ).

Ex: - 45,000,000 + max[60,000,000 ; 37,500,000] = 15,000,000

## F. BASIC ANNUAL CONTRIBUTION

Example F.2: What is taken into account when calculating Basic Annual Contributions? Applicable for 10.7, Basic, Risk Adjusted institutions, and Article 8.5

| Calculation method \& relevant target level |  |  |
| :--- | :--- | :--- | :--- |


| Basic Annual Contribution (BAC): numerator (field codes refer to the 2020 SRF reporting template) |
| :--- |
| Total liabilities 2A1 $4,000,000,000.0000$ <br> - Own funds 2A2 $400,000,000.0000$ <br> - Covered deposits 2A3 $1,600,000,000.0000$ <br> Sub total $\mathbf{2 , 0 0 0 , 0 0 0 , 0 0 0 . 0 0 0 0}$  <br> +/- Derivative adjustment (If applicable; see last page) $15,000,000.0000$  <br> - Deductions (If applicable; see last page) $150,000.0000$  <br> BAC Numerator $\mathbf{2 , 0 1 4 , 8 5 0 , 0 0 0 . 0 0 0 0}$  |

The institution's BAC numerator (sub-section 5.1 of MD) takes into account data provided in Tabs $2 \& 3$ of the 2020 SRF Data Reporting Form. The BAC numerator is calculated by applying the following adjustments (if applicable) to institution's total liabilities:

- subtracting own funds
- subtracting covered deposits
- adding or subtracting derivative adjustment
- subtracting deductions (exclusions described in Article 5(1) of DR)

Ex: 4,000,000,000-400,000,000-1,600,000,000 + 15,000,000-150,000 = 2,014,850,000

## Basic Annual Contribution (BAC): denominator

SRMR
Sum of the relevant BACs
15,000,000,000,000.0000
BRRD
2,000,000,000,000.0000

## What is the relevant target level?

The total amount of contributions to the Fund for the 2020 ex-ante contribution period (the "annual target level") was set at $1 / 8$ th of $1.25 \%$ of the covered deposits of all credit institutions authorised in the participating Member States in 2019 (section 4 of MD).

The target level relevant for the calculation method is determined in accordance with Annex I, Step 6 of DR, which means that the amount referred in these fields will be different depending if the institution:

- Qualifies for a lump-sum treatment, but opted for an alternative calculation in accordance with Art. 10(7) of DR;
- Identified itself as mortgage credit institutions financed by covered bonds or investment firm authorized to carry out only limited services and activities;
- Qualifies for a risk adjusted contribution calculation.


## What is the sum of the relevant $\mathrm{BACs} ? \quad \sum_{p=1}^{N} B_{p}$

The sum of relevant BACs for the calculation method will be different depending on whether the institution:

- Qualifies for a lump-sum treatment, but opted for an alternative calculation in accordance with Art. 10(7) of DR;
- Identified itself as mortgage credit institutions financed by covered bonds or as investment firm authorized to carry out only limited services and activities;
- Qualifies for a risk adjusted contribution calculation.


## H. OTHER INPUT VALUES USED IN THE CALCULATION

Example H.1: What are the additional input values used to perform the calculations? Applicable for Risk Adjusted institutions and Article 8.5

| Other input values used in the calculation |  |  |
| :---: | :---: | :---: |
| 1D1 | Start date of supervision (only filled if in the course of 2019) |  |
| $1 \mathrm{E1}$ | Reference date for reporting form | 31/12/2018 |
| 4A7 | Leverage ratio | 0.0600 |
| 4A14 | CET1 capital | 200,000,000.0000 |
| 4A15 | Total Risk Exposure | 10,000,000,000.0000 |
| 4A16 | CET1 ratio (CET1 capital / Total Risk Exposure) | 0.0200 |
| 4A17 | Total assets | 30,000,000,000.0000 |
| 4A18 | Total Risk Exposure / Total Assets | 0.3333 |
| 4B6 | Liquidity Coverage Ratio | 1.0000 |
| 4C6 | Interbank loans | 3,000,000,000.0000 |
| 4C7 | Interbank deposits | 7,000,000,000.0000 |
| 4C8 | Share of interbank loans and deposits in the EU | 10,000,000,000.0000 |
| 4D1 | Risk exposure amount for market risk on traded debt instruments | 50,000,000.0000 |
| 4D4 | Risk weighted assets for market risk divided by Total Assets | 0.0017 |
| 4D3 | Risk weighted assets for market risk divided by CET1 | 0.2500 |
| 4D2 | Risk weighted assets for market risk divided by total risk exposure | 0.0050 |
| 4D5 | Total off-balance sheet nominal amount | 4,000,000,000.0000 |
| 4D8 | Off-balance sheet nominal amount divided by Total Assets | 0.1333 |
| 4D7 | Off-balance sheet nominal amount divided by CET1 | 20.0000 |
| 4D6 | Off-balance sheet nominal amount divided by total risk exposure | 0.4000 |
| 4D9 | Total derivative exposure | 80,000,000.0000 |
| 4D10 | Of which: derivatives cleared through a central counterparty (CCP) | 0.0000 |
| 4D13 | Derivatives exposure divided by Total Assets | 0.0027 |
| 4D12 | Derivatives exposure divided by CET1 | 0.4000 |
| 4D11 | Derivatives exposure divided by total risk exposure | 0.0080 |
| 4D17 | Does the institution meet the three conditions of 'public financial | No |

What are the additional input values used to perform the calculations?

Each Harmonized Annex includes input data used in the calculation. In the case of risk adjusted and Article 8.5 institutions, all data points used to determine the institutions' risk adjustment factor, including the raw values but also the calculated ratios used to assign the institution to its bin (Annex I DR Step 2), are presented at the end of the Harmonized Annex.

## H. CALCULATION OF FINAL AMOUNT TO BE PAID

Example H.1: How to get to the "Final amount to be paid"? Applicable to all institutions

| Calculation of final amount to be paid |  |  |
| :---: | :---: | :---: |
| 2020 contribution | 2,000,000.00 | How to get to the final amount to be paid? |
| Deduction of 2015 contribution | 250,000.00 | The final amount to be paid is determined by taking 2020 ex-ante contribution |
| +/- 2015 data restatements | 50,000.00 | calculated (sections 5 \& 6 of MD ) and applying the following adjustments (if applicable): |
| +/- 2016 data restatements | 150,000.00 | subtracting part of 2015 contribution paid by the institution (section 7 of MD) |
| +/- 2017 data restatements | - 50,000.00 | adding or subtracting adjustment related to data restatements (section 9 of MD) |
| +/- 2018 data restatements | - 20,000.00 | Ex: 2,000,000-250,000 + 50,000 + 150,000-50,000-20,000 + 50,000 = 1,930,000 |
| +/- 2019 data restatements | 50,000.00 |  |
| + Adjustment for newly supervised | N/A |  |
| Final amount to be paid | 1,930,000.00 |  |

Example H.2: How is the "Adjustment for newly supervised" institutions determined? Applicable to all institutions

| Calculation of final amount to be paid |  | How is the adjustment for newly supervised institutions determined? <br> In accordance with Article 12(1) DR, the partial contributions for 2019 (of institutions that are newly supervised in the year 2019) are determined by considering the amount of 2020 ex-ante contributions by reference to the number of full months of the contribution period for which the institution was supervised. |
| :---: | :---: | :---: |
| 2020 contribution | 2,000,000.00 |  |
| + Adjustment for newly supervised | 1,000,000.00 |  |
| Final amount to be paid | 3,000,000.00 |  |
| Input values used in the calculation (field codes refer to the $\mathbf{2 0 2 0}$ SRF data reporting form) in addition to the ones mentioned above to identify the BAC |  |  |
| Other input values used in the calculation |  | Ex: if the start date of supervision is 5 June 2019, the institution was supervised for 6 full |
| 1D1 Start date of supervision (only filled if in the course of 2019) | 05/06/2019 |  |

Example H.3: How is the "Possible IPC amount" determined? Applicable to all institutions

| Calculation of final amount to be paid |  | How is the IPC amount determined? |
| :---: | :---: | :---: |
| 2020 contribution | 2,000,000.00 | Pursuant to the Decision of the Board of 17 December 2019 on the 2020 policy concerning irrevocable payment commitments (SRB/ES/SRF/2019/18), such amount was calculated as $15 \%$ of the total payment obligation of each institution. |
| Deduction of 2015 contribution | 250,000.00 |  |
| Final amount to be paid | 1,750,000.00 | Ex: 1,750,000 $0.15=262,500$ |
| Possible IPC amount | 262,500.00 |  |

## I. ADDITIONAL INFORMATION ON THE RISK INDICATORS UNDER THE SRM

Example I.1: What additional information is provided on the risk indicators? Applicable for Risk Adjusted institutions and Article 8.5

| Additional information on the risk indicators under the SRMR |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PILLAR I: Risk exposure |  | Min | Max | Median | Mean |
| 4A7 | Leverage ratio | 0.0022 | 10.0318 | 0.0789 | 0.1023 |
| 4A16 | CET1 ratio (CET1 capital / Total Risk Exposure) | 0.0663 | 12.7400 | 0.1579 | 0.2065 |
| 4A18 | Total Risk Exposure / Total Assets | 0.0007 | 443.4624 | 0.5256 | 0.7787 |
| PILLAR II: Stability and variety of sources of funding |  |  |  |  |  |
| 4B6 | Liquidity Coverage Ratio | 0.0000 | 999,999.9999 | 1.6931 | 1,863.1565 |
| PILLAR III: Importance of an institution to the stability of the financial system or economy |  |  |  |  |  |
| 4C8 | Share of interbank loans and deposits in the EU | 0.0000 | 651,933,203,280.0000 | 515,017,556.0000 | 15,571,468,599.7330 |
| PILLAR IV: Additional risk indicators |  |  |  |  |  |
| 4D4 | Risk weighted assets for market risk divided by Total Assets | 0.0000 | 17.3893 | 0.0000 | 0.0146 |
| 4D3 | Risk weighted assets for market risk divided by CET1 | 0.0000 | 14.2917 | 0.0000 | 0.0533 |
| 4D2 | Risk weighted assets for market risk divided by total risk exposure | 0.0000 | 2.4870 | 0.0000 | 0.0095 |
| 4D8 | Off-balance sheet nominal amount divided by Total Assets | 0.0000 | 156.8638 | 0.1646 | 0.2747 |
| 4D7 | Off-balance sheet nominal amount divided by CET1 | 0.0000 | 77.4064 | 1.9304 | 2.3731 |
| 4D6 | Off-balance sheet nominal amount divided by total risk exposure | 0.0000 | 9.3564 | 0.3093 | 0.3819 |
| 4D13 | Derivatives exposure divided by Total Assets | 0.0000 | 18.0075 | 0.0012 | 0.0225 |
| 4D12 | Derivatives exposure divided by CET1 | 0.0000 | 23.6823 | 0.0137 | 0.2090 |
| 4D11 | Derivatives exposure divided by total risk exposure | 0.0000 | 10.1729 | 0.0022 | 0.0430 |

The descriptive statistics (minimum, maximum, median, mean) presented in the last section of the Harmonized Annex enable institutions to picture the distribution of each risk indicator and to have a better understanding of the bin to which they have been allocated when calculating the ex-ante contributions at Euro Area Base (SRMR). The statistics of the calculations in the summary and collective form that were shared together with the documentation on the 2020 exante contributions provide further details on the discretization step of the non-binary risk indicators performed calculating the ex-ante contributions at Euro Area Base.


[^0]:    ${ }^{1}$ mortgage credit institution financed by covered bonds' means institutions referred to in Article 45(3) of Directive 2014/59/EU.

[^1]:    Note:
    Since certain investment firms, which are authorized to carry out only limited services and activities, are not subject to, or may be exempted from, certain capital and liquidity requirements, the Commission Delegated Regulation (EU) 2015/63 does not apply to them. In order to be able to, nevertheless, calculate the required contribution for these institutions, the SRB defined a risk adjustment methodology. For those investment firms, whose total liabilities less own funds less covered deposits are less than or equal to EUR $300,000,000$, the lump-sum methodology of Article 10 of the Commission Delegated Regulation (EU) 2015/63 is used, without, however, applying the maximum amount (EUR $1,000,000,000$ ) on the total assets. For other investment firms, the contribution amount is equal to the Basic Annual Contribution (see slide 7).

[^2]:    $\rightarrow$ The sum of risk adjusted BACS: $810+675+1,125=2,610$

