

## **MAS NOTICE 637 (AMENDMENT NO. 2) 2021**

Issued on: 17 August 2021

### **RISK BASED CAPITAL ADEQUACY REQUIREMENTS FOR BANKS INCORPORATED IN SINGAPORE**

#### **Introduction**

1 This document reflects amendments made to MAS Notice 637 to implement the framework for the treatment of major stake investments in financial institutions at the Solo level.

2 For presentational purposes, the amendments in this document are compared with the version of MAS Notice 637 issued on 14 September 2012, as last revised on 14 June 2021 (the "Original Notice").

3 This document shall be interpreted as follows:

- (a) Text which is coloured and struck through represent deletions;
- (b) Text which is coloured and underlined represent insertions;
- (c) Text which is highlighted in yellow are annotations to describe changes, and will not appear in the published untracked version of MAS Notice 637. For instance, where amendments have been made to a selected paragraph of an Annex, only that paragraph will be reflected in this document, prefaced with the following explanatory text in yellow highlights:  
*[Amendments to paragraph xx];*
- (d) Any inserted portions are inserted in numerical or alphabetical order (as appropriate) with the existing text in the Original Notice;
- (e) Portions of the Original Notice which are not reflected in this document are unchanged.

4 The amendments reflected in this document shall take effect from 18 August 2021.

5 In the event of discrepancies between the amendments in this document and the published version of MAS Notice 637 revised on 17 August 2021 (with effect from 18 August 2021), the published version of MAS Notice 637 shall prevail. This document is to be used for reference only.

## **Amendments to Part V: Transitional Arrangements**

### **Amendments to paragraph 5.1.3A**

#### Capital Floors

5.1.3A As an alternative to the use of the amounts referred to in paragraphs 5.1.1(b), 5.1.2(b) and 5.1.3(b), a Reporting Bank may use 80% or such other percentage (in any case, not more than 100%) as the Authority may determine of the Total Capital Resources Requirement calculated using the rules in this Notice, with RWA of the Reporting Bank comprising the sum of –

(a) its –

(i) SA(CR) RWA;

(ii) SA(EQ) RWA;

(iii) SEC-ERBA RWA;

(iv) SEC-SA RWA; and

(v) RWA from securitisation exposures to which the SEC-IRBA, SEC-ERBA and SEC-SA cannot be applied,

assuming the Reporting Bank had not adopted IRBA<sup>29U</sup>;

(b) its RWA for investments referred to in paragraph 6.1.3(p), calculated in accordance with paragraph 6.1.3(p)(iii) and, where applicable, paragraph 6.1.3A; and

(c) its SA(MR) RWA.

[MAS Notice 637 (Amendment) 2017]

[MAS Notice 637 (Amendment No. 3) 2017]

[MAS Notice 637 (Amendment No. 2) 2021]

### **Amendments to paragraph 5.1.6**

5.1.6 For the purposes of this Part, “Total Capital Resources Requirement” means –

---

<sup>29U</sup> For the avoidance of doubt, a Reporting Bank shall calculate:

- (a) an SA(CR) RWA in respect of all its actual SA(CR) exposures and IRBA exposures;
- (b) an SA(EQ) RWA in respect of all its actual SA(EQ) exposures and IRBA(EQ) exposures; and
- (c) an SEC-ERBA RWA, SEC-SA RWA, or RWA from securitisation exposures to which the SEC-IRBA, SEC-ERBA and SEC-SA cannot be applied, as determined in accordance with the hierarchy of approaches set out in paragraphs 7.6.14 to 7.6.17, in respect of all its securitisation exposures.

[MAS Notice 637 (Amendment No. 3) 2017]

- (a) in the case where the Reporting Bank is using the rules in MAS Notice 637 in force immediately before 1 Jan 2008, the RWA of the Reporting Bank multiplied by the minimum Total CAR applicable to the Reporting Bank, adjusted by adding deductions from Tier 1 Capital and deductions from Total Capital referred to in paragraphs 12 and 18 respectively, and deducting the general provisions referred to in paragraph 16(a), of that Notice; or
- (b) in the case where the Reporting Bank is using the rules in this Notice, the RWA of the Reporting Bank multiplied by the minimum Total CAR applicable to the Reporting Bank, adjusted by adding —
- (i) regulatory adjustments in CET1 Capital referred to in paragraph 6.1.3 and, where applicable, paragraph 6.1.3B;
- (ii) regulatory adjustments in AT1 Capital referred to in paragraph 6.2.3~~;~~ and
- (iii) regulatory adjustments in Tier 2 Capital referred to in paragraph 6.3.3,
- and deducting the items referred to in paragraphs 6.3.1(d) and (e), subject to the transitional arrangements set out in Division 5 of Part VI.

[MAS Notice 637 (Amendment) 2017]  
[MAS Notice 637 (Amendment No. 3) 2017]  
[MAS Notice 637 (Amendment No. 2) 2021]

## **Amendments to Part VI: Definition of Capital**

### **Division 1: Common Equity Tier 1 Capital**

#### **Amendment to paragraph 6.1.3(p)**

##### Regulatory Adjustments Applied in the Calculation of CET1 Capital

6.1.3 A Reporting Bank shall apply the following regulatory adjustments in the calculation of CET1 Capital, at the Solo or Group level, as the case may be:

(p) certain investments in the ordinary shares of unconsolidated financial institutions in which the Reporting Bank holds a major stake (including insurance subsidiaries), shall be deducted in the calculation of CET1 Capital, in accordance with sub-paragraphs (i) and (ii) below, unless a deduction has been made pursuant to sub-paragraph (l) above:

(i) subject to paragraphs 6.1.3A and 6.1.3B, the amount of such investments to be deducted in the calculation of CET1 Capital shall be the amount by which such investments in aggregate exceed the threshold amount. In this sub-paragraph, the threshold amount is the lower of<sup>49</sup>:

(A) 10% of the Reporting Bank's common equity, calculated by applying the regulatory adjustments set out in sub-paragraphs (a) to (o) above to the sum of elements set out in paragraph 6.1.1(a) to (f); and

(B) 15% of the Reporting Bank's CET1 Capital<sup>50</sup>;

(ii) the investments in aggregate referred to in sub-paragraph (i) above shall be calculated as follows:

(A) direct, indirect<sup>37</sup> and synthetic holdings shall be included. For example, the Reporting Bank shall look through holdings of index securities to determine the underlying holdings of ordinary shares<sup>43</sup>;

(B) the net long positions in both the banking book and trading book shall be included. In this regard, the gross long position can be offset against the short position in the same underlying exposure, if the maturity of the short position either matches the maturity of the long position or has a residual maturity of at least one year<sup>44,45,46</sup>;

<sup>49</sup> For the period from 1 January 2013 to 31 December 2017, the threshold amount is based on sub-paragraph (A) only. The requirement to calculate the threshold amount based on the lower of sub-paragraph (A) and sub-paragraph (B) will take effect from 1 January 2018.

<sup>50</sup> This is equivalent to 17.65% of the Reporting Bank's common equity after (a) applying all regulatory adjustments set out in paragraphs 6.1.3(a) to (o); and (b) deducting in full such investments described in paragraph 6.1.3(p)(ii).

- (C) underwriting positions held for a period longer than five working days shall be included, while those positions held for five working days or less can be excluded;
  - (D) if the capital instrument of the entity in which the Reporting Bank has invested does not meet the criteria for CET1 Capital, AT1 Capital or Tier 2 Capital of the Reporting Bank, the capital instrument is to be considered as ordinary shares for the purpose of this regulatory adjustment<sup>50A</sup>;
  - (E) the maximum amount that could be paid out on any guarantee or capital enhancement, through which capital support is provided by the Reporting Bank to a financial institution shall be included. The Reporting Bank shall consult the Authority if there is uncertainty whether such guarantee or capital enhancement is to be considered as ordinary shares for the purpose of the regulatory adjustment; and
  - (F) certain investments where these have been made in the context of resolving or providing financial assistance to reorganise a distressed institution may be temporarily excluded with the approval of the Authority; and
- (iii) the amounts of such investments that do not exceed the thresholds set out in sub-paragraph (i) above and are not deducted shall be risk-weighted at 250%;

[MAS Notice 637 (Amendment No. 2) 2014]  
 [MAS Notice 637 (Amendment) 2016]  
 [MAS Notice 637 (Amendment No. 2) 2020]  
[\[MAS Notice 637 \(Amendment No. 2\) 2021\]](#)

---

<sup>50A</sup> For the avoidance of doubt,

- (a) a capital instrument would be deemed to have met the criteria for CET1 Capital, AT1 Capital or Tier 2 Capital of the Reporting Bank, if it satisfies the applicable regulatory capital criteria imposed by a bank regulatory agency that has implemented the Basel III standards;
- (b) if the entity in which the Reporting Bank has invested is a financial institution that is subject to minimum prudential standards and supervision by a regulatory agency and the investment is not included as regulatory capital of the entity, the investment can be excluded for the purpose of this regulatory adjustment; and
- (c) if the entity in which the Reporting Bank has invested is a financial institution that is not a bank, the entity is subject to minimum prudential standards and supervision by a regulatory agency and the investment is not in the form of ordinary shares but is nevertheless recognised as Tier 1 capital (or its equivalent) or Tier 2 capital (or its equivalent) of the entity, the capital instrument shall be considered as an AT1 capital instrument or Tier 2 capital instrument, respectively, for the purpose of this regulatory adjustment.

[MAS Notice 637 (Amendment) 2016]

Insertion of paragraphs 6.1.3A to 6.1.3C

6.1.3A Notwithstanding paragraph 6.1.3(p)(i), a Reporting Bank may, in the calculation of CET1 Capital at the Solo level, risk-weight an investment in the ordinary shares of an unconsolidated financial institution in which the Reporting Bank holds a major stake, at 400%, with the approval of the Authority.

[MAS Notice 637 (Amendment No. 2) 2021]

6.1.3B Where a Reporting Bank risk-weights an investment at 400% in accordance with paragraph 6.1.3A ("relevant investment"), the Reporting Bank shall apply the regulatory adjustments in the calculation of CET1 Capital set out in paragraph 6.1.3(p) as follows:

- (a) the Reporting Bank shall include the relevant investment when calculating the "investments in aggregate" referred to in paragraph 6.1.3(p)(i) and (ii), the "threshold amount" referred to in paragraph 6.1.3(p)(i)(B)<sup>50B</sup> and the "threshold" referred to in 6.1.3(p)(iii) (where the threshold amount referred to in paragraph 6.1.3(p)(i)(B) is applicable);
- (b) the Reporting Bank shall calculate the amount of investments to be deducted in the calculation of CET1 Capital as  $A-B$ , where –
  - (i) A is the amount of investments that the Reporting Bank would have deducted in the calculation of CET1 Capital but for paragraph 6.1.3A and this paragraph; and
  - (ii) B is the amount of the relevant investment;
- (c) the Reporting Bank shall risk-weight the amount of investments (excluding the relevant investment) that do not exceed the thresholds calculated in accordance with paragraph 6.1.3(p)(i) and sub-paragraph (a), and that are not deducted, in accordance with paragraph 6.1.3(p)(iii).

[MAS Notice 637 (Amendment No. 2) 2021]

6.1.3C The Authority may grant the approval mentioned in paragraph 6.1.3A subject to such conditions or restrictions as the Authority may impose. The Authority will not normally grant such approval unless the Reporting Bank is able to demonstrate that such investments can be realised and made available to the Reporting Bank during stress<sup>50C</sup>.

---

<sup>50B</sup> For example, in determining the threshold amount referred to in paragraph 6.1.3(p)(i)(B) using the formula in footnote 50, the Reporting Bank shall include the relevant investment as part of the investments to be deducted under that formula.

[MAS Notice 637 (Amendment No. 2) 2021]

<sup>50C</sup> For example, if value of the investment is realised through a disposal of overseas subsidiary, the Reporting Bank should present a credible disposal plan, including an intent to dispose the subsidiary in stress and demonstrate that there are no impediments to execute the sale.

[MAS Notice 637 (Amendment No. 2) 2021]

and the risk of loss of value in stress is adequately covered by capital required by risk-weighting such investments at 400%<sup>50D</sup>.

[MAS Notice 637 (Amendment No. 2) 2021]

---

<sup>50D</sup> For example, this could be assessed by determining the sale value or “threshold price” at which there is no negative capital impact on the Reporting Bank’s CET1 CAR levels between pre and post-sale and whether the estimated sale value during stress exceeds this threshold price. The Reporting Bank should ensure that its valuation should be backed by reasonable assumptions.

[MAS Notice 637 (Amendment No. 2) 2021]

## **Amendments to Part VII: Credit Risk**

### **Division 1: Overview of Credit RWA Calculation**

#### **Sub-division 1: Introduction**

##### **Amendments to paragraph 7.1.1**

7.1.1 The credit RWA of a Reporting Bank is the sum of -

- (a) its SA(CR) RWA calculated in accordance with Sub-division 3 of this Division and its SA(EQ) RWA calculated in accordance with Sub-division 5 of this Division;
- (b) its IRBA RWA calculated in accordance with Sub-division 4 of this Division and its IRBA(EQ) RWA calculated in accordance with Sub-division 5 of this Division, with the total multiplied by 1.06<sup>101</sup>;
- (ba) its SEC-IRBA RWA, SEC-ERBA RWA, SEC-SA RWA, and RWA from securitisation exposures to which the SEC-IRBA, SEC-ERBA, and SEC-SA cannot be applied, calculated in accordance with Sub-division 6 of this Division;
- (c) its CVA RWA calculated in accordance with Annex 7AI;
- (d) its CCP RWA calculated in accordance with Annex 7AJ; ~~and~~
- (e) its RWA calculated in accordance with paragraph 6.1.3(p)(iii) ~~;~~ and
- (f) subject to paragraph 7.1.1A, its RWA calculated in accordance with paragraph 6.1.3A.

[MAS Notice 637 (Amendment) 2012]

[MAS Notice 637 (Amendment) 2014]

[MAS Notice 637 (Amendment No. 2) 2017]

[MAS Notice 637 (Amendment No. 2) 2021]

##### **Insertion of paragraph 7.1.1A**

7.1.1A For the purposes of paragraph 7.1.1(f), the Reporting Bank shall only include its RWA calculated in accordance with paragraph 6.1.3A for the purposes of calculating the credit RWA of the Reporting Bank at the Solo level, and where the Reporting Bank has obtained the Authority's approval pursuant to paragraph 6.1.3C.

[MAS Notice 637 (Amendment No. 2) 2021]

---

<sup>101</sup> This scaling factor is subject to change, taking into account further guidance from the BCBS.



## **Amendments to Part XII: Reporting Schedules**

### ***Amendments to Schedules 1A and 2***

## STATEMENT OF CET1 CAR, TIER 1 CAR AND TOTAL CAR

Name of the Reporting Bank:

Statement as at:

Scope of Reporting:

  
(indicate as appropriate)

Amounts

Amounts subject to pre-BaseI III treatment

(In S\$ million)

## Part A: CET1, AT1 and Tier 2 Capital

**Common Equity Tier 1 capital: instruments and reserves**

1	Paid-up ordinary shares and share premium (if applicable)	<input type="text"/>	
2	Retained earnings	<input type="text"/>	
3	Accumulated other comprehensive income and other disclosed reserves	<input type="text"/>	
	of which: 45% of revaluation surpluses and accumulated revaluation gains	<input type="text"/>	
4	Directly issued capital subject to phase out from CET1 (only applicable to non-joint stock companies)	<input type="text"/>	
5	Minority interest that meets criteria for inclusion	<input type="text"/>	<input type="text"/>
6	<b>Common Equity Tier 1 capital before regulatory adjustments</b>	<input type="text"/>	
	<b>Common Equity Tier 1 capital: regulatory adjustments</b>		
7	Valuation adjustment pursuant to Part VIII	<input type="text"/>	
8	Goodwill, net of associated deferred tax liability	<input type="text"/>	<input type="text"/>
9	Intangible assets, net of associated deferred tax liability	<input type="text"/>	<input type="text"/>
10	Deferred tax assets that rely on future profitability	<input type="text"/>	<input type="text"/>
11	Cash flow hedge reserve	<input type="text"/>	<input type="text"/>
12	Shortfall of TEP relative to EL under IRBA	<input type="text"/>	<input type="text"/>
13	Increase in equity resulting from securitisation transactions	<input type="text"/>	<input type="text"/>
13A	Net exposures to credit-enhancing interest-only strips	<input type="text"/>	<input type="text"/>
14	Unrealised fair value gains/losses on financial liabilities and derivative liabilities arising from changes in own credit risk	<input type="text"/>	<input type="text"/>
15	Defined benefit pension fund assets, net of associated deferred tax liability	<input type="text"/>	
16	Investments in own shares	<input type="text"/>	
	of which: Direct investments, net of qualifying short positions	<input type="text"/>	
	of which: Indirect investments, net of qualifying short positions	<input type="text"/>	
17	Reciprocal cross-holdings in ordinary shares of financial institutions	<input type="text"/>	
18	Investments in ordinary shares of unconsolidated financial institutions in which Reporting Bank does not hold a major stake	<input type="text"/>	
	Total holdings of capital instruments and other TLAC liabilities:	<input type="text"/>	
	(i) Gross direct, indirect and synthetic holdings in banking/trading books including qualifying offsetting short positions	<input type="text"/>	
	(ii) Underwriting positions held for more than five working days	<input type="text"/>	
	(iii) Maximum amount that could be paid out on guarantees or capital enhancements arising from capital support provided to financial institutions	<input type="text"/>	
	of which: ordinary share holdings of unconsolidated financial institutions incorporated in Singapore	<input type="text"/>	
	10% of common equity pursuant to paragraph 6.1.3(o)(i)	<input type="text"/>	
	Total holdings of capital instruments and other TLAC liabilities in excess of 10% of common equity	<input type="text"/>	
	Proportion of ordinary share holdings to total holdings of capital instruments and other TLAC liabilities	<input type="text"/>	
19	Investments in ordinary shares of unconsolidated financial institutions in which Reporting Bank holds a major stake approved under s32 of Banking Act (incl insurance subsidiaries) (amount above 10% threshold)	<input type="text"/>	<input type="text"/>
	Investments in aggregate	<input type="text"/>	
	(i) Gross direct, indirect and synthetic holdings in banking/trading books including qualifying offsetting short positions	<input type="text"/>	
	(ii) Underwriting positions held for more than five working days	<input type="text"/>	
	(iii) Maximum amount that could be paid out on guarantees or capital enhancements arising from capital support provided to financial institutions	<input type="text"/>	
	10% of common equity pursuant to paragraph 6.1.3(p)(i)	<input type="text"/>	
	Investments that are risk-weighted pursuant to paragraph 6.1.3A (applicable only at the Solo level)	<input type="text"/>	
20	Mortgage servicing rights (amount above 10% threshold)	<input type="text"/>	<input type="text"/>
21	Deferred tax assets arising from temporary differences (amount above 10% threshold, net of related tax liability)	<input type="text"/>	<input type="text"/>
22	Amount exceeding the 15% threshold	<input type="text"/>	
	of which: investments in ordinary shares of unconsolidated financial institutions in which Reporting Bank holds a major stake approved under s32 of Banking Act (incl insurance subsidiaries)	<input type="text"/>	
24	of which: mortgage servicing rights	<input type="text"/>	
25	of which: deferred tax assets arising from temporary differences	<input type="text"/>	
25A	15% of CET1 Capital	<input type="text"/>	

26	National specific regulatory adjustments		
26A	PE/VC investments held beyond the relevant holding periods set out in MAS Notice 630		
26B	Capital deficits in subsidiaries and associates that are regulated financial institutions		
26C	Any other items which the Authority may specify		
27	Regulatory adjustments applied in calculation of CET1 Capital due to insufficient AT1 Capital to satisfy required deductions		
28	<b>Total regulatory adjustments to CET1 Capital</b>		
29	<b>Common Equity Tier 1 capital (CET1)</b>		
	<b><u>Additional Tier 1 capital: instruments</u></b>		
30	AT1 capital instruments and share premium (if applicable)		
31	of which: classified as equity under the Accounting Standards		
32	of which: classified as liabilities under the Accounting Standards		
33	Transitional: Ineligible capital instruments (pursuant to paragraphs 6.5.3 and 6.5.4)		
34	AT1 capital instruments issued by fully-consolidated subsidiaries that meet criteria for inclusion		
35	of which: instruments issued by subsidiaries subject to phase out		
36	<b>Additional Tier 1 capital before regulatory adjustments</b>		
	<b><u>Additional Tier 1 capital: regulatory adjustments</u></b>		
37	Investments in own AT1 capital instruments		
	of which: Direct investments, net of qualifying short positions		
	of which: Indirect investments, net of qualifying short positions		
38	Reciprocal cross-holdings in AT1 capital instruments of financial institutions		
39	Investments in AT1 capital instruments of unconsolidated financial institutions in which Reporting Bank does not hold a major stake		
	(i) AT1 capital instrument holdings of unconsolidated financial institutions incorporated in Singapore		
	(ii) Total holdings of capital instruments and other TLAC liabilities in excess of 10% of common equity		
	(iii) Proportion of AT1 capital instrument holdings to total holdings of capital instruments and other TLAC liabilities		
40	Investments in AT1 capital instruments of unconsolidated financial institutions in which Reporting Bank holds a major stake approved under s32 of Banking Act (incl insurance subsidiaries)		
	(i) Gross direct, indirect and synthetic holdings in banking/trading books including qualifying offsetting short positions		
	(ii) Underwriting positions held for more than five working days		
41	National specific regulatory adjustments		
41A	Any other items which the Authority may specify		
41B	Regulatory adjustments applied to AT1 Capital in respect of amounts subject to pre-BaseI III treatment		
	of which:		
(i)	Goodwill, net of associated deferred tax liability		
(ii)	Intangible assets, net of associated deferred tax liability		
(iii)	Deferred tax assets that rely on future profitability		
(iv)	Cash flow hedge reserve		
(v)	Increase in equity resulting from securitisation transactions		
(vi)	Unrealised fair value gains/losses on financial liabilities and derivative liabilities arising from changes in own credit risk		
(vii)	Shortfall of TEP relative to EL under IRBA		
(viii)	PE/VC investments held beyond the relevant holding periods set out in MAS Notice 630		
(ix)	Capital deficits in subsidiaries and associates that are regulated financial institutions		
(x)	Investments in ordinary shares of unconsolidated financial institutions in which Reporting Bank holds a major stake approved under s32 of Banking Act (incl insurance subsidiaries)		
(xi)	Investments in Tier 2 capital instruments of unconsolidated financial institutions in which Reporting Bank holds a major stake approved under s32 of Banking Act (incl insurance subsidiaries)		
42	Regulatory adjustments applied in calculation of AT1 Capital due to insufficient Tier 2 Capital to satisfy required deductions		
43	<b>Total regulatory adjustments to Additional Tier 1 capital</b>		
44	<b>Additional Tier 1 capital (AT1)</b>		
45	<b>Tier 1 capital (T1 = CET1 + AT1)</b>		
	<b><u>Tier 2 capital: instruments and provisions</u></b>		
46	Tier 2 capital instruments and share premium (if applicable)		
47	Transitional: Ineligible capital instruments (pursuant to paragraphs 6.5.3 and 6.5.4)		
48	Tier 2 capital instruments issued by fully-consolidated subsidiaries that meet criteria for inclusion		
49	of which: instruments issued by subsidiaries subject to phase out		
50	Provisions		
51	<b>Tier 2 capital before regulatory adjustments</b>		
	<b><u>Tier 2 capital: regulatory adjustments</u></b>		
52	Investments in own Tier 2 instruments		
	of which: Direct investments, net of qualifying short positions		
	of which: Indirect investments, net of qualifying short positions		
53	Reciprocal cross-holdings in Tier 2 capital instruments of financial institutions		
54	Investments in Tier 2 capital instruments and other TLAC liabilities of unconsolidated financial institutions in which Reporting Bank does not hold a major stake		
	(i) Total holdings of Tier 2 capital instruments and other TLAC liabilities of unconsolidated financial institutions incorporated in Singapore		

(ii) Total holdings of capital instruments and other TLAC liabilities in excess of 10% of common equity		
(iii) Proportion of total holdings of Tier 2 capital instruments and other TLAC liabilities to total holdings of capital instruments and other TLAC liabilities		
54A Investments in other TLAC liabilities of unconsolidated financial institutions in which the Reporting Bank does not hold a major stake: amount previously designated for the 5% threshold but that no longer meets the conditions		
55 Investments in Tier 2 capital instruments and other TLAC liabilities of unconsolidated financial institutions in which Reporting Bank holds a major stake approved under s32 of Banking Act (incl insurance subsidiaries)		
(i) Gross direct, indirect and synthetic holdings in banking/trading books including qualifying offsetting short positions		
(ii) Underwriting positions held for more than five working days		
56 National specific regulatory adjustments		
56A Any other items which the Authority may specify		
56B Regulatory adjustments applied to Tier 2 Capital in respect of amounts subject to pre-Basel III treatment		
of which:		
(i) Shortfall of TEP relative to EL under IRBA		
(ii) PE/VC investments held beyond the relevant holding periods set out in MAS Notice 630		
(iii) Capital deficits in subsidiaries and associates that are regulated financial institutions		
(iv) Investments in ordinary shares of unconsolidated financial institutions in which Reporting Bank holds a major stake approved under s32 of Banking Act (incl insurance subsidiaries)		
(v) Investments in AT1 capital instruments of unconsolidated financial institutions in which Reporting Bank holds a major stake approved under s32 of Banking Act (incl insurance subsidiaries)		
57 Total regulatory adjustments to Tier 2 capital		
58 Tier 2 capital (T2)		
59 Total capital (TC = T1 + T2)		
60 Total risk weighted assets after floor adjustment		
<b>Capital ratios (as a percentage of risk weighted assets)</b>		
61 Common Equity Tier 1 CAR		
62 Tier 1 CAR		
63 Total CAR		
64 Bank-specific buffer requirement		
65 of which: capital conservation buffer requirement		
66 of which: bank specific countercyclical buffer requirement		
67 of which: G-SIB buffer requirement (if applicable)		
68 Common Equity Tier 1 available to meet buffers		
<b>National minima</b>		
69 Minimum CET1 CAR		
70 Minimum Tier 1 CAR		
71 Minimum Total CAR		
<b>Amounts below the thresholds for deduction (before risk weighting)</b>		
72 Investments in ordinary shares, AT1 capital, Tier 2 capital and other TLAC liabilities of unconsolidated financial institutions in which the bank does not hold a major stake		
of which:		
(i) CET1 capital instrument holdings		
(ii) AT1 capital instrument holdings		
(iii) Tier 2 capital instrument holdings		
(iv) Other TLAC liabilities (excluding those designated for the 5% threshold described in paragraphs 6.3.3(d)(iii) under Part VI)		
(v) Other TLAC liabilities (designated for the 5% threshold described in paragraphs 6.3.3(d)(iii) under Part VI)		
73 Investments in ordinary shares of unconsolidated financial institutions in which Reporting Bank holds a major stake approved under s32 of Banking Act (incl insurance subsidiaries)		
74 Mortgage servicing rights (net of related tax liability)		
75 Deferred tax assets arising from temporary differences (net of related tax liability)		
<b>Applicable caps on the inclusion of provisions in Tier 2</b>		
76 Provisions eligible for inclusion in Tier 2 in respect of exposures subject to standardised approach (prior to application of cap)		
77 Cap on inclusion of provisions in Tier 2 under standardised approach		
78 Provisions eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings-based approach (prior to application of cap)		
79 Cap for inclusion of provisions in Tier 2 under internal ratings-based approach		
<b>PE/VC investments and investments in unconsolidated major stake companies that are not financial institutions</b>		
80 Portion of Reporting Bank's individual PE/VC investments and investments in unconsolidated major stake companies that are not financial institutions and exceed 15% of Eligible Total Capital		
80A of which: PE/VC investments		
80B of which: Investments in unconsolidated major stake companies that are not financial institutions		
80C 15% of Eligible Total Capital		
81 Portion of Reporting Bank's aggregate PE/VC investments and investments in unconsolidated major stake companies that are not financial institutions which exceed 60% of Eligible Total Capital		
81A 60% of Eligible Total Capital		
<b>Capital instruments subject to phase-out arrangements (only applicable between 1 Jan 2013 and 1 Jan 2022)</b>		
82 Current cap on CET1 instruments subject to phase out arrangements		
83 Amount excluded from CET1 due to cap (excess over cap after redemptions and maturities)		
83A Nominal amount of ineligible AT1 instruments as at 1 Jan 2013		
84 Current cap on AT1 instruments subject to phase out arrangements		
85 Amount excluded from AT1 due to cap (excess over cap after redemptions and maturities)		
85A Nominal amount of ineligible T2 instruments as at 1 Jan 2013		
86 Current cap on T2 instruments subject to phase out arrangements		
87 Amount excluded from T2 due to cap (excess over cap after redemptions and maturities)		

[MAS Notice 637 (Amendment) 2017]  
[MAS Notice 637 (Amendment No. 2) 2017]  
[MAS Notice 637 (Amendment No. 2) 2018]  
[MAS Notice 637 (Amendment No. 2) 2021]

STATEMENT OF CET1 CAR, TIER 1 CAR AND TOTAL CAR

Name of the Reporting Bank:	
Statement as at:	
Scope of Reporting:	Solo/Group

88. Capital Instruments issued by Fully-Consolidated Subsidiaries that meet Criteria for Inclusion in Regulatory Capital (pursuant to paragraphs 6.1.4, 6.2.4, 6.2.5, 6.3.4 and 6.3.5)		(In S\$ million)		Total (Sum across all subsidiaries)
		Subsidiary 1 (Name)	Subsidiary 2 (Name)	
(a)	CET1 Capital of subsidiary, net of regulatory adjustments			
(i)	paid-up amount, reserves, retained earnings owned by Reporting Bank, gross of all regulatory adjustments			
(ii)	paid-up amount, reserves, retained earnings owned by third party investors gross of all regulatory adjustments			
(b)	Tier 1 Capital of subsidiary, net of regulatory adjustments (after applying the provision in paragraph 6.5.3)			
(i)	paid-up amount, reserves, retained earnings owned by Reporting Bank, gross of all regulatory adjustments			
(ii)	paid-up amount, reserves, retained earnings owned by third party investors gross of all regulatory adjustments			
(c)	Eligible Total Capital of subsidiary, net of regulatory adjustments (after applying the provision in paragraph 6.5.3)			
(i)	paid-up amount, reserves, retained earnings owned by Reporting Bank, gross of all regulatory adjustments			
(ii)	paid-up amount, reserves, retained earnings owned by third party investors gross of all regulatory adjustments			
(d)	Total risk-weighted assets of subsidiary			
(e)	Consolidated risk-weighted assets attributable to the subsidiary			
(f)	CET1 Capital			
(i)	Surplus CET1 Capital	88(a) - 9% x lower of 88(d) and 88(e)		
(ii)	Surplus CET1 Capital attributable to third party investors	88(f)(i) x 88(a)(ii)/[sum of 88(a)(i) and 88(a)(ii)]		
(iii)	CET1 capital held by third party investors less surplus attributable to third party investors	88(a)(ii) - 88(f)(ii)		
(g)	Tier 1 Capital			
(i)	Surplus Tier 1 Capital	88(b) - 10.5% x lower of 88(d) and 88(e)		
(ii)	Surplus Tier 1 Capital attributable to third party investors	88(g)(i) x 88(b)(ii)/[sum of 88(b)(i) and 88(b)(ii)]		
(iii)	Tier 1 capital held by third party investors less surplus attributable to third party investors	88(b)(ii) - 88(g)(ii)		
(h)	Eligible Total Capital			
(i)	Surplus Eligible Total Capital	88(c) - 12.5% x lower of 88(d) and 88(e)		
(ii)	Surplus Eligible Total Capital attributable to third party investors	88(h)(i) x 88(c)(ii)/[sum of 88(c)(i) and 88(c)(ii)]		
(iii)	Total capital held by third party investors less surplus attributable to third party investors	88(c)(ii) - 88(h)(ii)		
(i)	CET1 Capital of subsidiary to be included in consolidated CET1 Capital	88(f)(iii)		
(j)	Tier 1 Capital of subsidiary to be included in consolidated AT1 Capital	88(g)(iii) - 88(i)		
(k)	Eligible Total Capital of subsidiary to be included in consolidated Tier 2 Capital	88(h)(iii) - 88(i) - 88(j)		

**Part B: Capital Floors where a Reporting Bank has adopted the IRBA****Solo**  
**(In S\$ million)****Group**

<b>1. Approach used for Capital Floor Calculation</b>	<input type="text" value="Basel I / Current SA"/>	
Basel I means the rules in MAS Notice 637 in force immediately before 1 Jan 2008 Current SA means the approach described in paragraph 5.1.3A		
<b>2. Adjustment factor (%)</b>	<input type="text"/>	
<b>3. Capital Resources Requirement using approach used for capital floors</b>		
Total Capital Resources Requirement x adjustment factor	<input type="text"/>	<input type="text"/>
(i) Minimum total CAR applicable to the bank multiplied by the RWA calculated using approach used for capital floors	<input type="text"/>	<input type="text"/>
(ii) Adjustments for deductions and provisions referred to in paragraph 5.1.6(a) or (b), as the case may be	<input type="text"/>	<input type="text"/>
(iii) Total Capital Resources Requirement (i) + (ii)	<input type="text"/>	<input type="text"/>
<b>4. Capital Resources Requirement using rules in this Notice</b>		
Total Capital Resources Requirement	<input type="text"/>	<input type="text"/>
(i) Minimum total CAR applicable to the bank multiplied by the RWA calculated using rules in this Notice	<input type="text"/>	<input type="text"/>
(ii) Regulatory adjustments in CET1, AT1 Capital and Tier 2 Capital referred to in MAS Notice 637, Part V, paragraph 5.1.6(b)	<input type="text"/>	<input type="text"/>

Where the amount calculated under item 3 is higher than the amount calculated under item 4, the Reporting Bank shall include a floor adjustment to RWA in item 4 of Part C, in accordance with paragraph 5.1.3C.

**Part C: Total Risk Weighted Assets****Solo**  
**(In S\$ million)****Group**

<b>1. Credit RWA</b> calculated under the		
(a) SA(CR), SA(EQ)	<input type="text"/>	<input type="text"/>
(b) IRBA, IRBA(EQ)	<input type="text"/>	<input type="text"/>
(c) SEC-IRBA, SEC-ERBA, SEC-SA, and RWA from Securitisation Exposures to which the SEC-IRBA, SEC-ERBA, and SEC-SA cannot be applied	<input type="text"/>	<input type="text"/>
(d) CVA RWA	<input type="text"/>	<input type="text"/>
(e) CCP RWA	<input type="text"/>	<input type="text"/>
(f) RWA pursuant to paragraph 6.1.3(p)(iii)	<input type="text"/>	<input type="text"/>
(g) <b>RWA pursuant to paragraph 6.1.3A (applicable only at the Solo level)</b>	<input type="text"/>	
Total Credit RWA	<input type="text"/>	<input type="text"/>
		[MAS Notice 637 (Amendment No. 2) 2017] [MAS Notice 637 (Amendment No. 2) 2021]
<b>2. Market RWA</b> calculated under the		
(a) SA(MR)	<input type="text"/>	<input type="text"/>
(b) IMA	<input type="text"/>	<input type="text"/>
Total Market RWA	<input type="text"/>	<input type="text"/>
<b>3. Operational RWA</b> calculated under the		
(a) BIA	<input type="text"/>	<input type="text"/>
(b) SA(OR)	<input type="text"/>	<input type="text"/>
(c) ASA	<input type="text"/>	<input type="text"/>
(d) AMA	<input type="text"/>	<input type="text"/>
Total Operational RWA	<input type="text"/>	<input type="text"/>
<b>4. Total RWA</b>		
(a) Total RWA before floor adjustment	<input type="text"/>	<input type="text"/>
(b) Floor adjustment to RWA (if any)	<input type="text"/>	<input type="text"/>
(c) Total RWA after floor adjustment	<input type="text"/>	<input type="text"/>

[MAS Notice 637 (Amendment) 2017]  
[MAS Notice 637 (Amendment No. 2) 2018]

## SUMMARY OF CREDIT RWA

Name of the Reporting Bank:

Statement as at:

Scope of Reporting:

## 1. Credit RWA

Amount  
(S\$ million)

## (a) SA(CR), SA(EQ), SEC-ERBA, SEC-SA

Total Credit RWA

(i) Cash and Cash Equivalents	<input type="text"/>	
(ii) Central Government and Central Bank Asset Class	<input type="text"/>	
(iii) PSE Asset Class	<input type="text"/>	
(iv) MDB Asset Class	<input type="text"/>	
(v) Bank Asset Class	<input type="text"/>	
(vi) Corporate Asset Class	<input type="text"/>	
(vii) Regulatory Retail Asset Class	<input type="text"/>	
(viii) Residential Mortgage Asset Class	<input type="text"/>	
(ix) CRE Asset Class	<input type="text"/>	
(x) Other Exposures Asset Class	<input type="text"/>	
(xi) SA(EQ) RWA	<input type="text"/>	A
(xii) SEC-ERBA RWA	<input type="text"/>	
(xiii) SEC-SA RWA	<input type="text"/>	
(xiv) RWA from Securitisation Exposures to which the SEC-IRBA, SEC-ERBA, and SEC-SA cannot be applied	<input type="text"/>	
(xv) Unsettled Trades	<input type="text"/>	

SA(CR) RWA + SA(EQ) RWA + SEC-ERBA RWA + SEC-SA RWA

+ RWA from Securitisation Exposures to which the SEC-IRBA, SEC-ERBA, and SEC-SA cannot be applied

B

## (b) IRBA, IRBA(EQ), SEC-IRBA

F-IRBA	A-IRBA	Total Credit RWA
(a)	(b)	(c=a+b)

(i) Sovereign Asset Sub-class	<input type="text"/>	<input type="text"/>	<input type="text"/>	C
(ii) Bank Asset Sub-class	<input type="text"/>	<input type="text"/>	<input type="text"/>	D
(iii) Corporate Asset Sub-class				
Corporate	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Corporate - double default	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Total Corporate Asset Sub-Class	<input type="text"/>	<input type="text"/>	<input type="text"/>	E
(iv) SL Asset Sub-class				
IPRE	<input type="text"/>	<input type="text"/>	<input type="text"/>	
PF/OF/CF	<input type="text"/>	<input type="text"/>	<input type="text"/>	
IPRE - double default	<input type="text"/>	<input type="text"/>	<input type="text"/>	
PF/OF/CF - double default	<input type="text"/>	<input type="text"/>	<input type="text"/>	
IPRE - supervisory slotting criteria	<input type="text"/>	<input type="text"/>	<input type="text"/>	
PF/OF/CF - supervisory slotting criteria	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Total SL Asset Sub-class	<input type="text"/>	<input type="text"/>	<input type="text"/>	F
(v) HVCRE Asset Sub-class				
HVCRE	<input type="text"/>	<input type="text"/>	<input type="text"/>	
HVCRE - double default	<input type="text"/>	<input type="text"/>	<input type="text"/>	
HVCRE - supervisory slotting criteria	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Total HVCRE Asset Sub-class	<input type="text"/>	<input type="text"/>	<input type="text"/>	G
(vi) Corporate Small Business Asset Sub-class				
Corporate Small Business	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Corporate Small Business - double default	<input type="text"/>	<input type="text"/>	<input type="text"/>	
Total Corporate Small Business Asset Sub-class	<input type="text"/>	<input type="text"/>	<input type="text"/>	H
(vii) Residential Mortgage Asset Sub-class			<input type="text"/>	I
(viii) QRRE Asset Sub-class			<input type="text"/>	J
(ix) Other Retail Exposures Asset Sub-class				
Other Retail Exposures (excluding exposures to small business)			<input type="text"/>	
Exposures to Small Business			<input type="text"/>	
Total Other Retail Exposures Asset Sub-class			<input type="text"/>	K
IRBA RWA	SUM(C:K)		<input type="text"/>	L
(ix) IRBA(EQ) RWA (exposures other than those subject to 1250% risk weight)			<input type="text"/>	M
IRBA(EQ) RWA (exposures subject to 1250% risk weight)			<input type="text"/>	N
(x) SEC-IRBA RWA			<input type="text"/>	O
IRBA RWA and IRBA(EQ) RWA Subject to Scaling Factor	L+M		<input type="text"/>	Q
Adjusted RWA post Scaling Factor of 1.06	1.06 x Q		<input type="text"/>	R
IRBA RWA + IRBA(EQ) RWA + SEC-IRBA RWA	R+N+O		<input type="text"/>	S

## (c) Total CVA RWA

T

## (d) Total CCP RWA

U

## (e) RWA pursuant to paragraph 6.1.3(p)(iii)

[MAS Notice 637 (Amendment) 2012]

V

## (ea) RWA pursuant to paragraph 6.1.3A (applicable only at the Solo level)

WA

## (f) Total Credit RWA

[MAS Notice 637 (Amendment No. 2) 2021]  
B+S+T+U+V+WA

[MAS Notice 637 (Amendment) 2012]

[MAS Notice 637 (Amendment No. 2) 2017]

[MAS Notice 637 (Amendment No. 3) 2017]

[MAS Notice 637 (Amendment No. 2) 2021]

## Name of the Reporting Bank:

Statement as at:

**Scope of Reporting:**

**(a) IRBA, IRBA(EQ) and SEC-IRBA Coverage (applicable at Group level only)**

(i) IRBA RWA + IRBA(EQ) RWA + SEC-IRBA RWA  
Total Credit RWA  
(To exclude SA(EQ) RWA in Total Credit RWA if equity exposures are excluded from IRBA(EQ) based on immateriality)

IRBA, IRBA(EQ), SEC-IRBA Coverage (%)

(ii)	SA(CR) RWA + SA(EQ) RWA + SEC-ERBA RWA + SEC-SA RWA + RWA from securitisation exposures to which the SEC-IRBA, SEC-ERBA, and SEC-SA cannot be applied Total Credit RWA (To exclude SA(EQ) RWA if equity exposures are excluded from IRBA(EQ) based on immateriality)	B or (B-A)		%
		(B+S) or (B+S-A)		%

**Coverage of SA(CR), SA(EQ), SEC-ERBA, SEC-SA, and RWA from Securitisation Exposures to which the SEC-IRBA, SEC-ERBA, and SEC-SA cannot be applied (%)**

Aggregate Equity Exposures  
Eligible Total Capital

Ratio of Aggregate Equity Exposures over Eligible Total Capital

(c) Asset Classes/Sub-Classes under SA(CR), SA(EQ), SEC-ERBA, SEC-SA or Securitisation Exposures to which the SEC-IRBA, SEC-ERBA, and SEC-SA cannot be applied

(To list by asset class/sub-class or portfolios and legal entities and indicate by ticking if exposures are exempted from or transitioning to IRBA, IRBA(EQ) or SEC-IRBA)

[illegible]