

Pillar 3 Report

2023

as at 31 March 2023

Incorporating the requirements of APS 330

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Introduction

National Australia Bank Limited (NAB) is an Authorised Deposit-taking Institution (ADI) subject to regulation by the Australian Prudential Regulation Authority (APRA) under the authority of the *Banking Act 1959* (Cth). This document has been prepared in accordance with APRA Prudential Standard APS 330 *Public Disclosure*, which requires disclosure of information to the market to contribute to the transparency of financial markets and to enhance market discipline. APS 330 was established to implement the third pillar of the Basel Committee on Banking Supervision's (BCBS) framework for bank capital adequacy. The framework consists of three mutually reinforcing pillars.

| Pillar 1 | Pillar 2 | Pillar 3 |
|---|--|---|
| Minimum capital requirement | Supervisory review process | Market discipline |
| Minimum requirements for the level and quality of capital | Management's responsibility for capital adequacy to support risks beyond the minimum requirements, including an Internal Capital Adequacy Assessment Process (ICAAP) | Disclosure to the market of qualitative and quantitative aspects of risk management, capital adequacy and various risk metrics |

This document provides information about risk exposures, as well as the capital and liquidity adequacy of the Group, being NAB and its controlled entities.

Amounts are presented in Australian dollars unless otherwise stated, and have been rounded to the nearest million dollars (\$m) except where indicated.

Capital Adequacy Methodologies

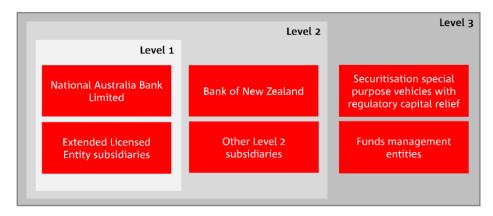
The Group uses the following approaches to measure capital adequacy as at 31 March 2023.

| Credit risk | Operational risk | Non-traded market risk | Traded market risk |
|---|-----------------------------|----------------------------------|--------------------------------------|
| Internal Ratings-based Approach (IRB) ⁽¹⁾ | Standardised Measurement | Internal Model Approach (IMA) | Internal Model Approach (IMA) and |
| | Approach (SMA) | | standard method |

⁽¹⁾ The Group has received IRB approval from APRA and applies the advanced IRB, foundation IRB, supervisory slotting and standardised approach to different portfolios in accordance with its IRB approval. Risk-weighted assets (RWA) and expected loss for the Group's banking subsidiary regulated by the Reserve Bank of New Zealand (RBNZ) are calculated using RBNZ prudential rules, with the exception of scaling factors and the capital floor which are applied under APRA requirements.

Scope of Application

APRA measures the Group's capital adequacy by assessing financial strength at three levels as illustrated below.



Level 1 comprises NAB and its subsidiaries that have been approved by APRA as part of its Extended Licensed Entity.

Level 2 comprises NAB and the entities it controls, excluding securitisation special purpose vehicles (SPVs) to which assets have been transferred in accordance with the requirements for regulatory capital relief in APS 120 Securitisation and funds management entities. Level 2 controlled entities include the Group's banking subsidiary regulated by the RBNZ (Bank of New Zealand (BNZ)), National Australia Bank Europe S.A. (NAB Europe) and other financial entities such as broking, wealth advisory and leasing companies.

Level 3 comprises the consolidation of NAB and all of its subsidiaries.

This report applies to the Level 2 Group, headed by NAB, unless otherwise stated.

Regulatory Reform

The Group remains focused on areas of regulatory change. Key reforms that may affect the Group's capital and funding include:

Revisions to the capital framework

- APRA's prudential standards for the revised capital framework came into effect on 1 January 2023, and the 31 March 2023 capital ratios presented in Table 3.1.C Capital and Leverage Ratios are in accordance with the revised framework. APRA's revisions to the framework include:
 - improving flexibility via increasing regulatory capital buffers
 - implementing more risk-sensitive risk-weights
 - introducing a capital floor for IRB ADIs
 - improving transparency and comparability through the disclosure of RWA under the standardised approach.
- The Group has applied APS 115 Capital Adequacy: Standardised Measurement Approach to Operational Risk from 1 January 2022.
- APRA's revised leverage ratio exposure measurement methodology came into effect on 1 January 2023, as did the minimum leverage ratio requirement of 3.5% for IRB ADIs. The 31 March 2023 leverage ratio of 5.10% is in accordance with the revised methodology.
- APRA has announced its intention to finalise APS 117 Capital Adequacy: Interest Rate Risk in the Banking Book by June 2023, taking effect from 1 January 2025.
- Following the APS 117 finalisation, APRA plans to consult on revisions to the market risk capital standards over 2024. The process will implement the BCBS's fundamental review of the trading book, effective from 2026.

Increased loss-absorbing capacity for ADIs

In December 2021, APRA released its finalised requirements for the Australian loss-absorbing capacity framework. The final requirements represent a further increase in the amount of Total capital required by domestic systemically important banks (D-SIBs) of 1.5% of RWA, with a total increase of 4.5% of RWA required by January 2026. The interim requirement of an increase in the Total capital requirement of 3% of RWA by 1 January 2024 remains in place.

Reserve Bank of New Zealand capital review

In December 2019, the RBNZ finalised its review of the capital adequacy framework. The RBNZ amendments to the amount of regulatory capital required of locally incorporated banks, applicable to BNZ, include:

- · an increase in credit RWA for banks that use the RBNZ's internal ratings-based approach due to:
 - the use of the standardised approach for bank and sovereign exposures, and the introduction of an overall minimum standardised floor, implemented on 1 January 2022
 - an increase in the RWA scalar, implemented on 1 October 2022.
- an increase in the Tier 1 capital requirement to 16% of RWA, and an increase in the Total capital requirement to 18% of RWA, to be phased in by 2028.

Committed Liquidity Facility (CLF) reduction

The aggregate CLF was reduced to zero on 1 January 2023.

APRA post implementation review of liquidity requirements

APRA has undertaken a post implementation review (PIR) of the Basel III liquidity reform across the industry. APRA expects to apply the feedback obtained through the PIR via a consultation process to review APS 210 *Liquidity* in 2023.

Other regulatory changes

- The BCBS revised market risk and Credit Valuation Adjustment (CVA) frameworks came into effect on 1 January 2023. APRA has deferred the implementation date for Basel III reforms to APS 116 Capital Adequacy: Market Risk and APS 180 Capital Adequacy: Counterparty Credit Risk to 2026.
- In December 2022, APRA issued a revised APS 330 which aligns with the updated international standards for public disclosure set by the BCBS. The revised disclosure requirements are effective from 1 January 2025.

Capital

3.1 Capital Adequacy

Table 3.1.A Risk-weighted Assets

Impact of the revised capital framework on credit RWA

The revised capital framework which came into effect on 1 January 2023 resulted in a decrease in credit RWA of \$17.8 billion compared to the previous prudential requirements as at 31 December 2022. Key drivers of the decrease are:

- a decrease in exposure at default (EaD) subject to risk-weighting of \$35.8 billion from the change in credit conversion factors applied to undrawn commitments under the revised capital framework. More detail on the change in EaD is outlined in the commentary to Table 4.1.B Total and Average Credit Risk Exposures.
- a decrease in credit RWA for IRB residential mortgages from a lowering of the loss given default (LGD) floor set by APRA from 20% to 10%, and from a decrease in the correlation factor to 15%.
- specialised lending exposures other than project finance exposures (such as income-producing real estate exposures), previously subject to supervisory slotting, are subject to the advanced or foundation IRB approach under the revised capital framework. This resulted in lower average risk-weights, even after the application of a 1.5 multiplier.
- removal of overlay adjustments for regulatory prescribed methodology requirements that are no longer relevant under the revised capital framework.

These decreases were partially offset by:

- an increase in credit RWA for income-producing real estate exposures previously subject to the advanced IRB approach from the application of a 1.5 multiplier.
- an increase in credit RWA for IRB residential mortgages from the application of a 1.4 multiplier for owner occupier principal and interest exposures, a 1.7 multiplier for other mortgages and a 2.5 multiplier where a borrower has five or more investment properties.
- an increase in the scaling factor applied to IRB exposures (excluding specialised lending), including exposures of the RBNZ regulated banking subsidiary, from 1.06 to 1.1.

In addition to the impact on total credit RWA, the revised capital framework has resulted in exposures, and therefore credit RWA, being reflected under different or new asset classes. More detail on the changes to asset classes is outlined in the commentary to Table 4.1.B *Total and Average Credit Risk Exposures*.

Change in presentation of credit RWA by portfolio

In this report, credit RWA for the RBNZ regulated banking subsidiary (excluding credit valuation adjustment) has been separately disclosed in accordance with amendments to APS 330 effective from 1 January 2023. To assist with comparability between reporting periods, the 30 September 2022 comparatives have been restated by removing amounts for the RBNZ regulated banking subsidiary from assets classes under which they were previously disclosed and aggregating them in the RBNZ regulated banking subsidiary line. Further details of the restatement, which also includes some improvements in presentation, are outlined in Appendix 1.

All comparative amounts are under rules that applied as at 30 September 2022.

Capital Adequacy (cont.)

The following table provides RWA for each risk type for the Level 2 Group.

| | As at | |
|--|-----------|-----------|
| | 31 Mar 23 | 30 Sep 22 |
| | \$m | \$m |
| Credit risk | | |
| Subject to advanced IRB approach | | |
| Corporate (including small and medium-sized enterprises (SME)) | 105,725 | 113,543 |
| Sovereign | n/a | 1,761 |
| Bank | n/a | 5,854 |
| Retail SME | 10,641 | 6,391 |
| Residential mortgage ⁽¹⁾ | 97,178 | 96,542 |
| Qualifying revolving retail | 2,553 | 2,248 |
| Other retail | 1,729 | 1,370 |
| Subject to foundation IRB approach | | |
| Corporate | 26,390 | n/a |
| Sovereign | 1,806 | n/a |
| Financial institution | 23,145 | n/a |
| Total IRB approach | 269,167 | 227,709 |
| Specialised lending | 2,043 | 55,570 |
| Subject to standardised approach | | |
| Corporate | 4,929 | 5,136 |
| Residential mortgage | 6,656 | 5,305 |
| Other retail | 6,359 | 4,402 |
| Other ⁽²⁾ | 5,058 | 5,647 |
| Total standardised approach | 23,002 | 20,490 |
| RBNZ regulated banking subsidiary | 52,104 | 47,682 |
| Other . | | |
| Securitisation exposures | 5,490 | 5,788 |
| Credit valuation adjustment | 4,501 | 6,720 |
| Other ⁽³⁾ | - | 3,302 |
| Total other | 9,991 | 15,810 |
| Total credit risk | 356,307 | 367,261 |
| Market risk | 8,496 | 7,907 |
| Operational risk | 41,178 | 41,124 |
| Interest rate risk in the banking book | 30,192 | 33,626 |
| Total RWA | 436,173 | 449,918 |

⁽¹⁾ RWA for residential mortgages for the Group excluding BNZ measured under the IRB approach is \$150,328 million when recomputed under the standardised approach for the purposes of the capital floor (30 September 2022: n/a).

The following table provides total RWA for the Level 1 Group.

| | A | s at |
|-----------|-----------|-----------|
| | 31 Mar 23 | 30 Sep 22 |
| | *m | \$m |
| Total RWA | 388,047 | 404,514 |

⁽²⁾ Other subject to the standardised approach consists of cash items in the process of collection, premises and other fixed assets, and all other exposures, and includes \$107 million for equity exposures (30 September 2022: \$84 million).

⁽³⁾ Other RWA as at 30 September 2022 consists of overlay adjustments for regulatory prescribed methodology requirements. Overlay adjustments as at 31 March 2023 have been presented together with RWA for the relevant asset classes.

3.1.B Capital Floor

Changes under the revised capital framework include the introduction of a capital floor to limit the capital benefit of modelled estimates under the IRB approach relative to the standardised approach. The capital floor applies at the aggregate RWA level and requires IRB ADIs to apply the higher of total RWA calculated under the IRB approach and 72.5% of total RWA calculated under the standardised approach.

There was no capital floor adjustment as at 31 March 2023 as shown below.

| | As at 31 Mar 23 |
|--|--------------------|
| | \$m |
| Risk-weighted assets under the standardised approach | |
| Credit risk | 526,010 |
| Market risk | 8,496 |
| Operational risk | 41,178 |
| Interest rate risk in the banking book | n/a |
| Total | 575,684 |
| Risk-weighted assets prior to application of floor | |
| Credit risk | 356,307 |
| Market risk | 8,496 |
| Operational risk | 41,178 |
| Interest rate risk in the banking book | 30,192 |
| Total | 436,173 |
| Capital floor | 417,371 |
| Capital floor adjustment | n/a |

Table 3.1.C Capital and Leverage Ratios

The following tables provide:

- \cdot the key capital ratios for the Level 1 and Level 2 Groups.
- the key capital ratios for the Group's banking subsidiary regulated by the RBNZ.
- the leverage ratio for the Level 2 Group as at 31 March 2023 and for the three previous quarters.

| | As | As at | |
|------------------------------|-----------|-----------|--|
| | 31 Mar 23 | 30 Sep 22 | |
| Capital ratios | | % | |
| Level 2 Common Equity Tier 1 | 12.21 | 11.51 | |
| Level 2 Tier 1 | 13.89 | 13.14 | |
| Level 2 Total | 19.76 | 18.17 | |
| Level 1 Common Equity Tier 1 | 12.03 | 11.24 | |
| Level 1 Tier 1 | 13.92 | 13.05 | |
| Level 1 Total | 20.43 | 18.57 | |

| | A: | s at |
|---|-----------|-----------|
| | 31 Mar 23 | 30 Sep 22 |
| RBNZ regulated banking subsidiary capital ratios ⁽¹⁾ | % | % |
| BNZ Common Equity Tier 1 | 13.3 | 12.8 |
| BNZ Tier 1 | 14.1 | 13.8 |
| BNZ Total | 15.7 | 15.4 |

⁽¹⁾ BNZ's capital ratios are derived under the RBNZ's capital adequacy framework.

| | As at | | | |
|--------------------|-----------|-----------|-----------|-----------|
| | 31 Mar 23 | 31 Dec 22 | 30 Sep 22 | 30 Jun 22 |
| Leverage ratio | \$m | \$m | \$m | \$m |
| Tier 1 capital | 60,595 | 58,669 | 59,112 | 58,684 |
| Total exposures | 1,189,150 | 1,182,429 | 1,167,759 | 1,161,897 |
| Leverage ratio (%) | 5.10% | 4.96% | 5.06% | 5.05% |

3.2 Capital Structure

Regulatory capital is calculated in accordance with APS 111 Capital Adequacy: Measurement of Capital. The Group's capital structure comprises various forms of capital which are summarised in the table below.

| Common Equity Tier 1 capital | Tier 1 capital | Total capital |
|---|---|---|
| Common Equity Tier 1 (CET1) capital ranks behind the claims of depositors and other creditors in the event of winding-up of the issuer, absorbs losses as and when they occur, has full flexibility of dividend payments and has no maturity date. CET1 capital consists of the sum of paid-up ordinary share capital, retained profits plus certain other items as defined in APS 111. | CET1 capital plus Additional Tier 1 capital. Additional Tier 1 capital comprises high quality components of capital that satisfy the following characteristics: - provide a permanent and unrestricted commitment of funds - are freely available to absorb losses - rank behind the claims of depositors and other more senior creditors in the event of winding-up of the issuer - provide for fully discretionary capital distributions. | Tier 1 capital plus Tier 2 capital. Tier 2 capital comprises other components of capital that, to varying degrees, do not meet the requirements of Tier 1 capital but nonetheless contribute to the overall strength of an ADI and its capacity to absorb losses. |

Further details of Additional Tier 1 and Tier 2 securities are available at <u>capital.nab.com.au/disclaimer-area/capital-instruments.phps</u>.

Restrictions and Major Impediments on the Transfer of Funds or Regulatory Capital within the Group

Thin capitalisation rules

The transfer of funds or regulatory capital within the Group will take into account tax legislation that imposes interest deduction limitations based on prescribed minimum capital levels.

Intragroup exposure limits

Exposures to related entities are managed in accordance with the Aggregate Risk Exposure Policy and prudential limits prescribed in APS 222 Associations with Related Entities.

Table 3.2.A Regulatory Capital Structure

The table below provides the structure of regulatory capital for the Level 2 Group. A detailed breakdown as at 31 March 2023 is shown in Table 3.3.A *Regulatory Capital Disclosure Template*.

| | Asa | at |
|--|-----------|-----------|
| | 31 Mar 23 | 30 Sep 22 |
| | *m | \$m |
| Common Equity Tier 1 capital before regulatory adjustments | 61,416 | 59,019 |
| Regulatory adjustments to Common Equity Tier 1 capital | (8,161) | (7,243) |
| Common Equity Tier 1 capital (CET1) | 53,255 | 51,776 |
| Additional Tier 1 capital before regulatory adjustments | 7,360 | 7,360 |
| Regulatory adjustments to Additional Tier 1 capital | (20) | (24) |
| Additional Tier 1 capital (AT1) | 7,340 | 7,336 |
| Tier 1 capital (T1 = CET1 + AT1) | 60,595 | 59,112 |
| Tier 2 capital before regulatory adjustments | 25,674 | 22,719 |
| Regulatory adjustments to Tier 2 capital | (101) | (96) |
| Tier 2 capital (T2) | 25,573 | 22,623 |
| Total capital (TC = T1 + T2) | 86,168 | 81,735 |

3.3 Detailed Capital Disclosures

Table 3.3.A Regulatory Capital Disclosure Template

The capital ratios for the Level 2 Group and other regulatory capital information are presented in the following regulatory capital disclosure template.

Explanation of how amounts in the template reconcile to the Level 2 Group balance sheet is contained in Table 3.3.C Reconciliation between the Level 2 Group Balance Sheet and Regulatory Capital Disclosure Template.

| As at 31 Mar 2 | Asa | at | 31 | Mar | 23 |
|----------------|-----|----|----|-----|----|
|----------------|-----|----|----|-----|----|

| | | \$m |
|-----|--|--------|
| Cor | nmon Equity Tier 1 capital: instruments and reserves | |
| 1 | Directly issued qualifying ordinary shares (and equivalent for mutually-owned entities) capital | 38,845 |
| 2 | Retained earnings | 22,959 |
| 3 | Accumulated other comprehensive income (and other reserves) | (388) |
| 5 | Ordinary share capital issued by subsidiaries and held by third parties (amount allowed in group CET1) | - |
| 6 | Common Equity Tier 1 capital before regulatory adjustments | 61,416 |
| Cor | nmon Equity Tier 1 capital: regulatory adjustments | |
| 7 | Prudential valuation adjustments | 1 |
| 8 | Goodwill | 2,091 |
| 9 | Other intangibles other than mortgage-servicing rights (net of related deferred tax balance) | 2,872 |
| 10 | Deferred tax assets that rely on future profitability excluding those arising from temporary differences (net of related tax liability) | 37 |
| 11 | Cash flow hedge reserve | (827) |
| 12 | Shortfall of provisions to expected losses | - |
| 13 | Securitisation gain on sale (as set out in paragraph 562 of Basel II framework) | - |
| 14 | Gains/(losses) due to changes in own credit risk on fair valued liabilities | (42) |
| 15 | Defined benefit superannuation plan assets (net of related tax liability) | 27 |
| 16 | Investments in own shares (if not already netted off paid-in capital on reported balance sheet) | - |
| 17 | Reciprocal cross-holdings in common equity | - |
| 18 | Investments in the capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions, where the ADI does not own more than 10% of the issued share capital (amount above 10% threshold) | - |
| 19 | Significant investments in the ordinary shares of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions (amount above 10% threshold) | - |
| 20 | Mortgage service rights (amount above 10% threshold) | - |
| 21 | Deferred tax assets arising from temporary differences (amount above 10% threshold, net of related tax liability) | - |
| 22 | Amount exceeding the 15% threshold | - |
| 23 | of which: significant investments in the ordinary shares of financial entities | = |
| 24 | of which: mortgage servicing rights | - |
| 25 | of which: deferred tax assets arising from temporary differences | - |
| APR | A specific regulatory adjustments | |
| 26 | National specific regulatory adjustments (sum of rows 26a, 26b, 26c, 26d, 26e, 26f, 26g, 26h, 26i and 26j) | 4,002 |
| 26a | of which: treasury shares | - |
| 26b | of which: offset to dividends declared under a dividend reinvestment plan (DRP), to the extent that the dividends are used to purchase new ordinary shares issued by the ADI | - |
| 26c | | - |
| 26d | of which: equity investments in financial institutions not reported in rows 18, 19 and 23 (adjusted for intangible component of investments) | 680 |
| 26e | of which: deferred tax assets not reported in rows 10, 21 and 25 | 2,225 |
| 26f | of which: capitalised expenses ⁽¹⁾ | 1,013 |
| 26g | of which: investments in commercial (non-financial) entities that are deducted under APRA prudential requirements | 53 |
| 26h | of which: covered bonds in excess of asset cover in pools | - |
| 26i | of which: undercapitalisation of a non-consolidated subsidiary | - |
| 26j | of which: other national specific regulatory adjustments not reported in rows 26a to 26i | 31 |
| 27 | Regulatory adjustments applied to Common Equity Tier 1 due to insufficient Additional Tier 1 and Tier 2 to cover deductions | - |
| 28 | Total regulatory adjustments to Common Equity Tier 1 | 8,161 |
| 29 | Common Equity Tier 1 capital (CET1) | 53,255 |

⁽¹⁾ Includes loan origination fees and commissions net of deferred income, and costs associated with the issuance of debt and capital instruments.

| | | 04 | | ~~ |
|----|----|----|-----|----|
| AS | at | 31 | Mar | 23 |

| | | AS at 31 Mar 23 |
|-----|---|-----------------|
| | | \$m |
| Ad | ditional Tier 1 capital: instruments | |
| 30 | Directly issued qualifying Additional Tier 1 instruments | 7,360 |
| 31 | of which: classified as equity under applicable accounting standards | - |
| 32 | of which: classified as liabilities under applicable accounting standards | 7,360 |
| 34 | Additional Tier 1 instruments (and CET1 instruments not included in row 5) issued by subsidiaries and held by third parties (amount allowed in group Additional Tier 1) | - |
| 36 | Additional Tier 1 capital before regulatory adjustments | 7,360 |
| Ad | ditional Tier 1 capital: regulatory adjustments | |
| 37 | Investments in own Additional Tier 1 instruments and any unused trading limit | 20 |
| 38 | Reciprocal cross-holdings in Additional Tier 1 instruments | - |
| 39 | Investments in the capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions, where the ADI does not own more than 10% of the issued share capital (amount above 10% threshold) | - |
| 40 | Significant investments in the capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation (net of eligible short positions) | - |
| 41 | National specific regulatory adjustments (sum of rows 41a, 41b and 41c) | - |
| 41a | of which: holdings of capital instruments in group members by other group members on behalf of third parties | - |
| 41b | of which: investments in the capital of financial institutions that are outside the scope of regulatory consolidations not reported in rows 39 and 40 | - |
| 410 | of which: other national specific regulatory adjustments not reported in rows 41a and 41b | - |
| 42 | Regulatory adjustments applied to Additional Tier 1 due to insufficient Tier 2 to cover deductions | - |
| 43 | Total regulatory adjustments to Additional Tier 1 capital | 20 |
| 44 | Additional Tier 1 capital (AT1) | 7,340 |
| 45 | Tier 1 capital (T1 = CET1 + AT1) | 60,595 |
| Tie | r 2 capital: instruments and provisions | |
| 46 | Directly issued qualifying Tier 2 instruments | 23,508 |
| 48 | Tier 2 instruments (and CET1 and Additional Tier 1 instruments not included in rows 5 or 34) issued by subsidiaries and held by third parties (amount allowed in group Tier 2) | - |
| 50 | Provisions ⁽¹⁾ | 2,166 |
| 51 | Tier 2 capital before regulatory adjustments | 25,674 |
| Tie | r 2 capital: regulatory adjustments | |
| 52 | Investments in own Tier 2 instruments and any unused trading limit | 75 |
| 53 | Reciprocal cross-holdings in Tier 2 instruments | - |
| 54 | Investments in the Tier 2 capital of banking, financial and insurance entities that are outside the scope of regulatory consolidation, net of eligible short positions, where the ADI does not own more than 10% of the issued share capital (amount above 10% threshold) | - |
| 55 | Significant investments in the Tier 2 capital banking, financial and insurance entities that are outside the scope of regulatory consolidation (net of eligible short positions) | - |
| 56 | National specific regulatory adjustments (sum of rows 56a, 56b and 56c) | 26 |
| 568 | of which: holdings of capital instruments in group members by other group members on behalf of third parties | - |
| 56k | of which: investments in the capital of financial institutions that are outside the scope of regulatory consolidation not reported in rows 54 and 55 | 26 |
| 560 | of which: other national specific regulatory adjustments not reported in rows 56a and 56b | - |
| 57 | Total regulatory adjustments to Tier 2 capital | 101 |
| 58 | Tier 2 capital (T2) | 25,573 |
| 59 | Total capital (TC = T1 + T2) | 86,168 |
| 60 | Total RWA based on APRA standards | 436,173 |

⁽¹⁾ Consists of eligible provisions held against non-defaulted exposures under the IRB approach (\$1,922 million) and against exposures under the standardised approach (\$244 million).

As at 31 Mar 23

| | | \$m |
|----|---|--------|
| Ca | pital ratios and buffers | |
| 61 | Common Equity Tier 1 (as a percentage of RWA) | 12.21% |
| 62 | Tier 1 (as a percentage of RWA) | 13.89% |
| 63 | Total capital (as a percentage of RWA) | 19.76% |
| 64 | Buffer requirement (minimum CET1 requirement, plus capital conservation buffer, plus any countercyclical buffer requirements expressed as a percentage of RWA) ⁽¹⁾ | 10.04% |
| 65 | of which: capital conservation buffer requirement | 3.75% |
| 66 | of which: ADI-specific countercyclical buffer requirements | 0.79% |
| 67 | of which: Global Systemically Important Bank (G-SIB) buffer requirement | n/a |
| 68 | Common Equity Tier 1 available to meet buffers (as a percentage of RWA) | 12.21% |
| Na | tional minima (if different from Basel III) | |
| 69 | National Common Equity Tier 1 minimum ratio (if different from Basel III minimum) | n/a |
| 70 | National Tier 1 minimum ratio (if different from Basel III minimum) | n/a |
| 71 | National Total capital minimum ratio (if different from Basel III minimum) | n/a |
| Am | ounts below the thresholds for deduction (not risk-weighted) ⁽²⁾ | |
| 72 | Non-significant investments in the capital of other financial entities | 144 |
| 73 | Significant investments in the ordinary shares of financial entities (adjusted for intangible component of investments) | 536 |
| 74 | Mortgage servicing rights (net of related tax liability) | - |
| 75 | Deferred tax assets arising from temporary differences (net of related tax liability) | 2,225 |
| Ар | plicable caps on the inclusion of provisions in Tier 2 | |
| 76 | Provisions eligible for inclusion in Tier 2 in respect of exposures subject to standardised approach (prior to application of cap) | 244 |
| 77 | Cap on inclusion of provisions in Tier 2 under standardised approach | 361 |
| 78 | Provisions eligible for inclusion in Tier 2 in respect of exposures subject to internal ratings-based approach (prior to application of cap) | 2,291 |
| 79 | Cap for inclusion of provisions in Tier 2 under internal ratings-based approach | 1,922 |

⁽¹⁾ Comprises a minimum CET1 ratio of 4.5% per APS 110 Capital Adequacy paragraph 24(a), a capital conservation buffer of 3.75% of RWA, an additional capital buffer applicable to D-SIBs of 1% of RWA and a countercyclical capital buffer (refer to Table 3.3.E Countercyclical Capital Buffer).

⁽²⁾ Amounts below the thresholds for deduction under Basel requirements are an APRA specific regulatory adjustment.

Table 3.3.B Reconciliation between the Group and Level 2 Group Balance Sheet

The following table shows the Group's balance sheet and adjustments to derive the Level 2 Group balance sheet as at 31 March 2023.

| | Group balance sheet | Adjustments ⁽¹⁾ | Level 2 Group balance sheet | Reference ⁽²⁾ |
|---|---------------------------|----------------------------|--------------------------------------|--------------------------|
| | \$m | \$m | \$m | |
| Assets | | | | |
| Cash and liquid assets | 57,279 | - | 57,279 | |
| Due from other banks | 138,679 | = | 138,679 | |
| Collateral placed | 10,752 | - | 10,752 | |
| Trading securities | 47,019 | - | 47,019 | |
| Debt instruments | 45,555 | - | 45,555 | |
| Other financial assets | 1,473 | - | 1,473 | |
| Derivative assets | 32,133 | - | 32,133 | |
| Loans and advances | 695,053 | (2,139) | 692,914 | |
| Current tax assets | 6 | - | 6 | |
| Due from controlled entities | - | 14 | 14 | |
| Deferred tax assets | 2,940 | = | 2,940 | Table C |
| Property, plant and equipment | 2,930 | = | 2,930 | |
| Investments in controlled entities | - | 10 | 10 | |
| Goodwill and other intangible assets | 4,778 | = | 4,778 | Table A |
| Other assets | 9,691 | = | 9,691 | |
| Total assets | 1,048,288 | (2,115) | 1,046,173 | |
| Liabilities | | | | |
| Due to other banks | 75,265 | = | 75,265 | |
| Collateral received | 9,015 | = | 9,015 | |
| Other financial liabilities | 26,430 | = | 26,430 | |
| Derivative liabilities | 32,033 | 3 | 32,036 | |
| Deposits and other borrowings | 689,020 | = | 689,020 | |
| Current tax liabilities | 557 | 1 | 558 | |
| Provisions | 1,595 | = | 1,595 | |
| Due to controlled entities | - | 78 | 78 | |
| Bonds, notes and subordinated debt | 131,469 | (2,197) | 129,272 | |
| Other debt issues | 7,322 | = | 7,322 | |
| Other liabilities | 14,167 | (1) | 14,166 | |
| Total liabilities | 986,873 | (2,116) | 984,757 | |
| Net assets | 61,415 | 1 | 61,416 | |
| Equity | | | | |
| Contributed equity | 38,845 | = | 38,845 | Row 1 |
| Foreign currency translation reserve | 162 | = | 162 | |
| Asset revaluation reserve | 21 | - | 21 | |
| Cash flow hedge reserve | (827) | - | (827) | Row 11 |
| Cost of hedging reserve | 17 | - | 17 | |
| Equity-based compensation reserve | 189 | = | 189 | |
| Debt instruments at fair value through other comprehensive income reserve | 27 | - | 27 | |
| Equity instruments at fair value through other comprehensive income reserve | 23 | - | 23 | |
| Total reserves | (388) | - | (388) | |
| Retained profits | 22,958 | 1 | 22,959 | Row 2 |
| Total equity | 61,415 | 1 | 61,416 | |

⁽¹⁾ The adjustments remove the assets, liabilities and equity balances of Level 3 entities deconsolidated for regulatory purposes, and reinstate any intragroup assets and liabilities, treating them as external to the Level 2 Group.

⁽²⁾ References are directly to rows in Table 3.3.A Regulatory Capital Disclosure Template or to reconciliations to the disclosure template in Table 3.3.C Reconciliation between the Level 2 Group Balance Sheet and Regulatory Capital Disclosure Template.

Table 3.3.C Reconciliation between the Level 2 Group Balance Sheet and Regulatory Capital **Disclosure Template**

The following tables show how amounts in the Regulatory Capital Disclosure Template in Table 3.3.A have been derived based on the Level 2 Group Balance Sheet in Table 3.3.B.

| | As at 31 Mar 23 | Disclosure template row |
|---|--------------------|----------------------------|
| Table A | \$m | |
| Goodwill and other intangible assets | 4,778 | |
| Associated net deferred tax asset | 185 | |
| Total | 4,963 | |
| which comprises: | | |
| Goodwill | 2,091 | Row 8 |
| Other intangibles other than mortgage-servicing rights (net of related tax) | 2,872 | Row 9 |

| | As at 31 Mar 23 | Disclosure template row |
|--|--------------------|----------------------------|
| Table B | \$m | |
| Non-defaulted expected loss | 1,989 | |
| Less collective provision for credit impairment | (4,524) | |
| Add eligible provisions held against exposures under the standardised approach | 244 | Row 50, 76 |
| Add eligible provisions held against non-defaulted exposures under the IRB approach | 1,922 | Row 50, 79 |
| IRB approach surplus provisions above the cap | 369 | |
| Non-defaulted: shortfall of provisions to expected losses | = | |
| Defaulted expected loss | 1,067 | |
| Less individual provision for credit impairment subject to the IRB approach(1) | (511) | |
| Less partial write-offs | (93) | |
| Less collective provision for credit impairment for defaulted exposures subject to the IRB approach(2) | (483) | |
| Surplus in defaulted provisions not recognised | 20 | |
| Defaulted: shortfall of provisions to expected losses | - | |
| Gross deduction of shortfall of provisions to expected losses | - | Row 12 |

⁽¹⁾ Excludes individual provision for credit impairment subject to the standardised approach of \$10 million.

⁽²⁾ Excludes collective provision for credit impairment on defaulted exposures subject to the standardised approach of \$49 million.

| | As at 31 Mar 23 | Disclosure template row |
|--|--------------------|----------------------------|
| Table C | \$m | |
| Deferred tax assets | 2,940 | |
| Less deferred tax assets that rely on future profitability | (37) | Row 10 |
| Less unrealised revaluation on funding vehicles | (58) | |
| Less net deferred tax assets included in other regulatory adjustments or associated with reserves ineligible for inclusion in regulatory capital | (620) | |
| Deferred tax assets APRA specific regulatory adjustment | 2,225 | Row 26e, 75 |

| | As at 31 Mar 23 | Disclosure template row |
|--|--------------------|----------------------------|
| Table D | \$m | |
| Face value of NAB Capital Notes 3 | 1,874 | |
| Face value of NAB Capital Notes 5 | 2,386 | |
| Face value of NAB Capital Notes 6 | 2,000 | |
| Face value of NAB Wholesale Capital Notes | 500 | |
| Face value of NAB Wholesale Capital Notes 2 | 600 | |
| Directly issued qualifying Additional Tier 1 instruments classified as liabilities | 7,360 | Row 32 |

| | As at 31 Mar 23 | Disclosure template row |
|---|--------------------|----------------------------|
| Table E | \$m | |
| Subordinated medium term notes | 23,508 | |
| Directly issued qualifying Tier 2 instruments | 23,508 | Row 46 |

Table 3.3.D Entities Excluded from the Level 2 Group Balance Sheet

The following table provides details of entities included in the accounting scope of consolidation and excluded from the regulatory scope of consolidation.

| | | As at 31 Mar 23 | |
|-------------------------------------|--------------------|-----------------|----------------------|
| | | Total assets | Total liabilities |
| Entity name | Principal activity | \$m | \$m |
| NAB Trust Services Limited | Trustee | 11 | = |
| National Australia Managers Limited | Funds Manager | 3 | 1 |
| National RMBS Trust 2018-1 | Securitisation | 509 | 510 |
| National RMBS Trust 2018-2 | Securitisation | 538 | 541 |
| National RMBS Trust 2022-1 | Securitisation | 1,161 | 1,162 |

Table 3.3.E Countercyclical Capital Buffer

The countercyclical capital buffer represents an extension to the capital conservation buffer and may require an ADI to hold additional CET1 capital of up to 3.5% of RWA. It is calculated in accordance with APS 110 (Attachment C). Its primary objective is to use a buffer of capital to achieve the broader macroprudential goal of protecting the banking sector from periods of excess aggregate credit growth that have often been associated with the build-up of system-wide risk.

The following table provides a geographic breakdown of RWA associated with private sector credit exposures that are used to calculate the Level 2 Group's countercyclical capital buffer requirement.

| | | As at 31 Mar 23 | | |
|----------------|--------------------------------|--|------------------------|--|
| | Countercyclical capital buffer | RWA for private sector credit exposures | ADI-specific buffer | |
| Country | % | \$m | % | |
| Australia | 1.00 | 265,355 | 0.745 | |
| Denmark | 2.50 | 184 | 0.001 | |
| Germany | 0.75 | 888 | 0.002 | |
| Hong Kong | 1.00 | 1,246 | 0.003 | |
| Luxembourg | 0.50 | 709 | 0.001 | |
| Norway | 2.50 | 259 | 0.002 | |
| Sweden | 1.00 | 551 | 0.002 | |
| United Kingdom | 1.00 | 10,822 | 0.031 | |
| Other | - | 76,008 | - | |
| Total | n/a | 356,022 | 0.787 | |

3.4 Leverage Ratio

The leverage ratio is a non-risk based measure that uses exposures to supplement the RWA-based capital requirements. It is calculated in accordance with APS 110 (Attachment D).

The leverage ratio calculation is presented in the disclosure template below. Comparative amounts are under the methodology that applied as at 30 September 2022. The main changes under the revised leverage ratio methodology introduced from 1 January

- derivative exposures (rows 4 and 5 in the disclosure template) for the Level 2 Group excluding BNZ are measured under the standardised approach for measuring counterparty credit risk (SA-CCR), with some modifications for the treatment of collateral. Derivative exposures for the RBNZ regulated banking subsidiary are measured under the current exposure method. Under the previous methodology, derivatives exposures for the Level 2 Group were all measured under the current
- the calculation of non-market related off-balance sheet exposures (row 19 in the disclosure template) applies credit conversion factors that would be used in the calculation of EaD under the standardised approach under APS 112 Capital Adequacy: Standardised Approach to Credit Risk and RBNZ prudential rules. Under the previous methodology, APS 110 prescribed credit conversion factors for use in the leverage ratio calculation.

The leverage ratio increased from 5.06% at 30 September 2022 to 5.10% at 31 March 2023, due to a \$1.5 billion increase in Tier 1 capital, which was partially offset by an increase in total exposures of \$21.4 billion.

The increase in Tier 1 capital was mainly due to higher retained profits and reserves, partially offset by the reduction in contributed equity from the on-market buy-back of NAB ordinary shares.

The increase in total exposures was primarily driven by an increase in on-balance sheet exposures of \$27.8 billion, mainly related to an increase in loans and advances and trading and debt securities of \$14.9 billion and \$9.9 billion respectively. This increase was partially offset by a decrease in securities financing transaction exposures of \$6.3 billion.

Table 3.4.A Leverage Ratio Disclosure Template

| | | AS 8 | ιτ |
|----|---|-----------|-----------|
| | | 31 Mar 23 | 30 Sep 22 |
| | | \$m | \$m |
| Or | n-balance sheet exposures | | |
| 1 | On-balance sheet items (excluding derivatives and securities financing transactions (SFTs), but including collateral) | 940,177 | 912,330 |
| 2 | (Asset amounts deducted in determining Tier 1 capital) | (8,889) | (8,793) |
| 3 | On-balance sheet exposures (excluding derivatives and SFTs) (sum of rows 1 and 2) | 931,288 | 903,537 |
| De | privative exposures | | |
| 4 | Replacement cost associated with all derivatives transactions (i.e. net of eligible cash variation margin) | 12,364 | 15,764 |
| 5 | Add-on amounts for potential future credit exposure (PFCE) associated with all derivatives transactions | 23,872 | 22,864 |
| 6 | Gross-up for derivatives collateral provided where not included in on-balance sheet exposures | 6,402 | 7,272 |
| 7 | (Deductions of receivables assets for cash variation margin provided in derivatives transactions) | (6,578) | (11,391) |
| 8 | (Exempted central counterparty (CCP) leg of client-cleared trade exposures) | _ | _ |
| 9 | Adjusted effective notional amount of written credit derivatives | 11,034 | 8,100 |
| 10 | (Adjusted effective notional offsets and add-on deductions for written credit derivatives) | (9,971) | (7,054) |
| 11 | Derivative exposures (sum of rows 4 to 10) | 37,123 | 35,555 |
| Se | curities financing transaction exposures | | |
| 12 | Gross SFT assets (with no recognition of netting), after adjusting for sales accounting transactions | 89,102 | 96,927 |
| 13 | (Netted amounts of cash payables and cash receivables of gross SFT assets) | (14,841) | (17,558) |
| 14 | Counterparty Credit Risk (CCR) exposure for SFT assets | 22,039 | 23,280 |
| 15 | Agent transaction exposures | - | = |
| 16 | Securities financing transaction exposures (sum of rows 12 to 15) | 96,300 | 102,649 |
| No | on-market related off-balance sheet exposures | | |
| 17 | Off-balance sheet exposure at gross notional amount | 240,947 | 237,144 |
| 18 | (Adjustments for conversion to credit equivalent amounts) | (116,508) | (111,126) |
| 19 | Non-market related off-balance sheet exposures (sum of rows 17 and 18) | 124,439 | 126,018 |
| Ca | pital and total exposures | | |
| 20 | Tier 1 capital | 60,595 | 59,112 |
| 21 | Total exposures (sum of rows 3, 11, 16 and 19) | 1,189,150 | 1,167,759 |
| Le | verage ratio | | |
| 22 | Leverage ratio | 5.10% | 5.06% |

As at

Table 3.4.B Summary Comparison of Accounting Assets vs Leverage Ratio Exposure Measure

| | | Asa | at |
|-----|--|-----------|-----------|
| | | 31 Mar 23 | 30 Sep 22 |
| | | \$m | \$m |
| Ite | ems | | |
| 1 | Total consolidated assets as per published financial statements | 1,048,288 | 1,055,126 |
| 2 | Adjustment for investments in entities that are consolidated for accounting purposes but outside the scope of regulatory consolidation | (2,115) | (2,411) |
| 3 | Adjustment for assets held on the balance sheet in a fiduciary capacity pursuant to the Australian Accounting Standards but excluded from the leverage ratio exposure measure | - | - |
| 4 | Adjustments for derivative financial instruments | 4,990 | (25,461) |
| 5 | Adjustment for securities financing transactions | 22,437 | 23,280 |
| 6 | Adjustment for off-balance sheet exposures (credit equivalent amount) | 124,439 | 126,018 |
| 7 | Other adjustments | (8,889) | (8,793) |
| 8 | Leverage ratio exposure | 1,189,150 | 1,167,759 |

Credit Risk

4.1 General Disclosures

EaD throughout this section represents credit risk exposures net of offsets for eligible financial collateral, except where indicated.

This section excludes credit risk information in respect of securitisation exposures within the scope of APS 120 (which have separate disclosures in Section 5 Securitisation), with the exception of comparative securitisation exposures of the RBNZ regulated banking subsidiary as part of the change in presentation described below. RWA in this section excludes credit valuation adjustment.

Impact of the revised capital framework on exposure at default

The impact of the revised capital framework on EaD is described in the commentary to Table 4.1.B Total and Average Credit Risk Exposures.

Change in presentation

In this report, amounts for the RBNZ regulated banking subsidiary have been separately disclosed in accordance with amendments to APS 330 effective from 1 January 2023. To assist with comparability between reporting periods, the 30 September 2022 comparatives have been restated throughout this section by removing amounts for the RBNZ regulated banking subsidiary from asset classes under which amounts were previously disclosed and aggregating them in the RBNZ regulated banking subsidiary line. This includes removing securitisation exposures of the RBNZ regulated banking subsidiary from Section 5 Securitisation, and including them in Section 4 Credit Risk, in line with where the equivalent current period amounts are reported. Further details of the restatement of EaD and RWA, which also includes some improvements in presentation, are outlined in Appendix 1.

All comparatives in this section, including expected loss and asset quality metrics, have been restated in a similar manner. All comparative amounts are under rules that applied as at 30 September 2022.

Table 4.1.A Credit Risk Summary

The following table provides information on credit exposures and asset quality.

| | | 1 | As at 31 Mar 23 | ; | | 6 months ended 31 Mar 23 |
|------------------------------------|------------------------|-----------------------------|-----------------|---------------------------------|---|--------------------------------|
| | Exposure at default | Risk- weighted assets | Expected loss | Non- performing exposures | Specific provision for credit impairment | Net write- offs |
| Exposure type | \$m | \$m | \$m | \$m | \$m | \$m |
| Subject to advanced IRB approach | | | | | | |
| Corporate (including SME) | 188,491 | 105,725 | 1,088 | 1,686 | 248 | 34 |
| Retail SME | 23,936 | 10,641 | 318 | 831 | 87 | 16 |
| Residential mortgage | 386,453 | 97,178 | 810 | 2,879 | 59 | 10 |
| Qualifying revolving retail | 9,105 | 2,553 | 107 | 57 | - | 27 |
| Other retail | 1,552 | 1,729 | 83 | 43 | 3 | 17 |
| Subject to foundation IRB approach | | | | | | |
| Corporate | 45,772 | 26,390 | 88 | 14 | 12 | - |
| Sovereign | 193,146 | 1,806 | 2 | - | - | - |
| Financial institution | 73,463 | 23,145 | 52 | 23 | 10 | - |
| Total IRB approach | 921,918 | 269,167 | 2,548 | 5,533 | 419 | 104 |
| Specialised lending | 2,532 | 2,043 | 34 | 27 | 23 | 7 |
| Subject to standardised approach | | | | | | |
| Corporate | 13,074 | 4,929 | - | 28 | 4 | - |
| Residential mortgage | 16,563 | 6,656 | - | 143 | 6 | - |
| Other retail | 8,786 | 6,359 | - | 70 | - | 15 |
| Other | 7,533 | 5,058 | = | - | _ | - |
| Total standardised approach | 45,956 | 23,002 | - | 241 | 10 | 15 |
| RBNZ regulated banking subsidiary | 133,010 | 52,104 | 474 | 927 | 69 | 14 |
| Total | 1,103,416 | 346,316 | 3,056 | 6,728 | 521 | 140 |

As at 30 Sep 22

6 months ended

| | | | | | | 30 Sep 22 |
|-----------------------------------|------------------------|-----------------------------|------------------|---------------------------------|---|--------------------|
| | Exposure at default | Risk- weighted assets | Expected loss | Non- performing exposures | Specific provision for credit impairment | Net write- offs |
| Exposure type | \$m | \$m | \$m | \$m | \$m | \$m |
| Subject to advanced IRB approach | | | | | | |
| Corporate (including SME) | 270,488 | 113,543 | 986 | 1,355 | 249 | 51 |
| Sovereign | 188,222 | 1,761 | 4 | = | = | = |
| Bank | 26,030 | 5,854 | 8 | = | = | = |
| Retail SME | 15,489 | 6,391 | 183 | 686 | 60 | 20 |
| Residential mortgage | 380,784 | 96,542 | 833 | 3,070 | 66 | 14 |
| Qualifying revolving retail | 8,989 | 2,248 | 93 | 54 | = | 21 |
| Other retail | 1,339 | 1,371 | 63 | 39 | 3 | 10 |
| Total advanced IRB approach | 891,341 | 227,710 | 2,170 | 5,204 | 378 | 116 |
| Specialised lending | 64,887 | 55,570 | 777 | 362 | 48 | 6 |
| Subject to standardised approach | | | | | | |
| Corporate | 11,381 | 5,136 | = | 62 | 22 | = |
| Residential mortgage | 13,978 | 5,305 | = | 136 | 5 | = |
| Other retail | 5,136 | 4,402 | = | 57 | = | 16 |
| Other | 7,766 | 5,647 | - | = | = | - |
| Total standardised approach | 38,261 | 20,490 | - | 255 | 27 | 16 |
| RBNZ regulated banking subsidiary | 123,929 | 47,682 | 466 | 682 | 78 | 34 |
| Total | 1,118,418 | 351,451 | 3,413 | 6,503 | 531 | 172 |

Table 4.1.B Total and Average Credit Risk Exposures

The following table provides a breakdown of credit risk exposures between on and off-balance sheet.

The comparative table also provides average credit risk exposure, being the simple average of the exposure at the beginning and end of the reporting period. Average credit risk exposure has not been reported for the six months ended 31 March 2023, as exposures are measured differently and reflected under different asset classes at the beginning and end of the reporting period due to adoption of the revised capital framework.

Impact of the revised capital framework

The revised capital framework which came into effect on 1 January 2023 resulted in a decrease in EaD of \$35.8 billion compared to the previous prudential requirements as at 31 December 2022. Key drivers of the decrease are:

- a decrease in the credit conversion factor applied in the calculation of off-balance sheet EaD for certain non-retail undrawn commitments from 100% to 40%.
- a decrease in the EaD of the RBNZ regulated banking subsidiary. Under RBNZ prudential rules, bank and sovereign exposures
 are no longer modelled exposure classes and these exposures have lower credit conversion factors under the standardised
 approach. In addition, the measurement of net derivative credit exposure changed from SA-CCR to current exposure method.

These decreases were partially offset by the impact of an increase in the credit conversion factor applied in the calculation of off-balance sheet EaD for margin lending and Citi consumer business credit card exposures under the standardised approach from 0% to 40%.

In addition to the impact on total EaD, the revised capital framework has resulted in exposures being reflected under different or new asset classes on 1 January 2023 compared to the previous prudential requirements as at 31 December 2022:

- With the exception of project finance exposures, specialised lending exposures previously subject to supervisory slotting, such as income-producing real estate exposures, are now subject to the advanced or foundation IRB approach. This change resulted in an increase in corporate exposures subject to the advanced and foundation IRB approaches of \$59.3 billion and \$2.8 billion respectively.
- The revised capital framework definition of financial institution resulted in \$61.6 billion of exposures that were previously IRB corporate and the previous bank asset class being measured under the foundation IRB asset class.
- Large corporates with annual revenue greater than \$750 million are now subject to the foundation IRB approach. This change
 resulted in a decrease of \$57.1 billion in IRB corporate exposures.
- Changes in the definition of retail SME under the revised capital framework, including that exposure to the borrower is less than \$1.5 million and the borrower's annual revenue is less than \$75 million, resulted in \$8.1 billion of exposures falling within the definition of retail SME, rather than corporate under the IRB approach.
- \$800 million of non-standard mortgages previously measured under the IRB approach, are now measured under the standardised approach.

| | | As at 31 Mar 23 | | | | | | |
|------------------------------------|---------------------|--|--|---------------------------------|--|--|--|--|
| | On-balance sheet | Non-market related off- balance sheet | Market related off- balance sheet | Total exposure at default | | | | |
| Exposure type | \$m | \$m | \$m | \$m | | | | |
| Subject to advanced IRB approach | | | | | | | | |
| Corporate (including SME) | 161,530 | 24,162 | 2,799 | 188,491 | | | | |
| Retail SME | 16,271 | 7,665 | - | 23,936 | | | | |
| Residential mortgage | 329,307 | 57,146 | - | 386,453 | | | | |
| Qualifying revolving retail | 3,935 | 5,170 | - | 9,105 | | | | |
| Other retail | 1,260 | 292 | - | 1,552 | | | | |
| Subject to foundation IRB approach | | | | | | | | |
| Corporate | 25,516 | 13,397 | 6,859 | 45,772 | | | | |
| Sovereign | 168,570 | 890 | 23,686 | 193,146 | | | | |
| Financial institution | 31,889 | 17,694 | 23,880 | 73,463 | | | | |
| Total IRB approach | 738,278 | 126,416 | 57,224 | 921,918 | | | | |
| Specialised lending | 1,864 | 547 | 121 | 2,532 | | | | |
| Subject to standardised approach | | | | | | | | |
| Corporate | 5,441 | 1,791 | 5,842 | 13,074 | | | | |
| Residential mortgage | 14,837 | 1,726 | - | 16,563 | | | | |
| Other retail | 5,167 | 3,619 | - | 8,786 | | | | |
| Other | 7,533 | = | = | 7,533 | | | | |
| Total standardised approach | 32,978 | 7,136 | 5,842 | 45,956 | | | | |
| RBNZ regulated banking subsidiary | 112,216 | 16,683 | 4,111 | 133,010 | | | | |
| Total exposure at default | 885,336 | 150,782 | 67,298 | 1,103,416 | | | | |

| As | at | 30 | Sep | 22 |
|----|----|----|-----|----|
|----|----|----|-----|----|

6 months ended 30 Sep 22

| | On-balance sheet | Non-market related off- balance sheet | Market related off- balance sheet | Total exposure at default | Average exposure at default | | | | |
|-----------------------------------|---------------------|--|--|---------------------------------|-----------------------------------|--|--|--|--|
| Exposure type | \$m | \$m | \$m | \$m | \$m | | | | |
| Subject to advanced IRB approach | | | | | | | | | |
| Corporate (including SME) | 155,849 | 85,398 | 29,241 | 270,488 | 262,583 | | | | |
| Sovereign | 159,222 | 2,687 | 26,313 | 188,222 | 182,188 | | | | |
| Bank | 14,030 | 961 | 11,039 | 26,030 | 26,170 | | | | |
| Retail SME | 11,367 | 4,122 | - | 15,489 | 15,444 | | | | |
| Residential mortgage | 325,583 | 55,201 | - | 380,784 | 376,810 | | | | |
| Qualifying revolving retail | 3,804 | 5,185 | - | 8,989 | 8,970 | | | | |
| Other retail | 1,078 | 261 | - | 1,339 | 1,316 | | | | |
| Total advanced IRB approach | 670,933 | 153,815 | 66,593 | 891,341 | 873,481 | | | | |
| Specialised lending | 54,986 | 9,680 | 221 | 64,887 | 64,222 | | | | |
| Subject to standardised approach | | | | | | | | | |
| Corporate | 5,721 | 704 | 4,956 | 11,381 | 10,686 | | | | |
| Residential mortgage | 12,710 | 1,268 | = | 13,978 | 8,303 | | | | |
| Other retail | 5,028 | 108 | = | 5,136 | 3,171 | | | | |
| Other | 7,766 | - | - | 7,766 | 6,925 | | | | |
| Total standardised approach | 31,225 | 2,080 | 4,956 | 38,261 | 29,085 | | | | |
| RBNZ regulated banking subsidiary | 102,051 | 15,880 | 5,998 | 123,929 | 126,581 | | | | |
| Total exposure at default | 859,195 | 181,455 | 77,768 | 1,118,418 | 1,093,369 | | | | |

Table 4.1.C Credit Risk Exposures by Geography

The following table provides credit risk exposures by major geographical area, based on the booking office where the exposure

| | | As at 31 | Mar 23 | |
|------------------------------------|-----------|----------------|------------------------------------|---------------------------------|
| | Australia | New Zealand | Asia, Europe and Americas | Total exposure at default |
| Exposure type | \$m | \$m | \$m | \$m |
| Subject to advanced IRB approach | | | | |
| Corporate (including SME) | 177,085 | - | 11,406 | 188,491 |
| Retail SME | 23,936 | = | = | 23,936 |
| Residential mortgage | 386,453 | - | - | 386,453 |
| Qualifying revolving retail | 9,105 | - | - | 9,105 |
| Other retail | 1,552 | - | - | 1,552 |
| Subject to foundation IRB approach | | | | |
| Corporate | 26,322 | - | 19,450 | 45,772 |
| Sovereign | 171,339 | - | 21,807 | 193,146 |
| Financial institution | 33,018 | = | 40,445 | 73,463 |
| Total IRB approach | 828,810 | - | 93,108 | 921,918 |
| Specialised lending | 1,324 | - | 1,208 | 2,532 |
| Subject to standardised approach | | | | |
| Corporate | 11,198 | = | 1,876 | 13,074 |
| Residential mortgage | 16,563 | = | - | 16,563 |
| Other retail | 8,786 | = | - | 8,786 |
| Other | 7,533 | - | - | 7,533 |
| Total standardised approach | 44,080 | - | 1,876 | 45,956 |
| RBNZ regulated banking subsidiary | - | 133,010 | _ | 133,010 |
| Total exposure at default | 874,214 | 133,010 | 96,192 | 1,103,416 |

| | | As at 30 Sep 22 | | | | | |
|-----------------------------------|-----------|-----------------|------------------------------------|---------------------------------|--|--|--|
| | Australia | New Zealand | Asia, Europe and Americas | Total exposure at default | | | |
| Exposure type | \$m | \$m | \$m | \$m | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | 207,999 | = | 62,489 | 270,488 | | | |
| Sovereign | 175,496 | = | 12,726 | 188,222 | | | |
| Bank | 15,508 | = | 10,522 | 26,030 | | | |
| Retail SME | 15,489 | - | - | 15,489 | | | |
| Residential mortgage | 380,784 | = | = | 380,784 | | | |
| Qualifying revolving retail | 8,989 | - | - | 8,989 | | | |
| Other retail | 1,339 | - | - | 1,339 | | | |
| Total advanced IRB approach | 805,604 | - | 85,737 | 891,341 | | | |
| Specialised lending | 63,375 | - | 1,512 | 64,887 | | | |
| Subject to standardised approach | | | | | | | |
| Corporate | 10,527 | = | 854 | 11,381 | | | |
| Residential mortgage | 13,957 | - | 21 | 13,978 | | | |
| Other retail | 5,136 | - | - | 5,136 | | | |
| Other | 7,766 | - | - | 7,766 | | | |
| Total standardised approach | 37,386 | - | 875 | 38,261 | | | |
| RBNZ regulated banking subsidiary | - | 123,929 | - | 123,929 | | | |
| Total exposure at default | 906,365 | 123,929 | 88,124 | 1,118,418 | | | |

Table 4.1.D Credit Risk Exposures by Industry

The following table provides credit risk exposures by industry type. Industry classifications follow ANZSIC Level 1 classifications. Exposures are disclosed based on the counterparty to which the Group is exposed to credit risk, including guarantors and derivative counterparties.

As at 31 Mar 23

| Aco | commodation and hospitality | forestry, fishing and | Business services and property services | Commercial C property | | Finance and nsurance | Government and public authorities | Manufacturing | | mortgages | Retail and holesale trade | | Utilities | Other ⁽¹ | Total exposure at default |
|-------------------------------------|-----------------------------------|-----------------------------|---|--------------------------|--------|----------------------------|--|---------------|--------|-----------|------------------------------------|--------|-----------|---------------------|---------------------------|
| Exposure type | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
| Subject to advance IRB approach | ed | | | | | | | | | | | | | | |
| Corporate (including SME) | 8,131 | 38,137 | 11,314 | 66,910 | 6,578 | 559 | 499 | 9,765 | 28 | - | 16,835 | 11,585 | 4,716 | 13,434 | 188,491 |
| Retail SME | 1,061 | 5,780 | 3,540 | 317 | 2,934 | 1,166 | - | 1,672 | - | - | 3,582 | 1,435 | 56 | 2,393 | 23,936 |
| Residential mortgag | ge - | - | - | - | - | - | - | - | - | 386,453 | - | - | - | - | 386,453 |
| Qualifying revolving retail | - | - | - | - | - | - | - | - | 9,105 | - | - | - | - | - | 9,105 |
| Other retail | - | - | - | - | - | - | - | - | 1,552 | - | - | - | - | - | 1,552 |
| Subject to foundati IRB approach | ion | | | | | | | | | | | | | | |
| Corporate | 133 | 5,808 | 4,558 | 4,366 | 1,100 | 332 | - | 4,132 | - | - | 6,971 | 7,968 | 6,838 | 3,566 | 45,772 |
| Sovereign | - | - | - | - | - | 130,713 | 62,433 | - | - | - | - | - | - | - | 193,146 |
| Financial institution | - | - | - | - | - | 73,463 | - | - | - | - | - | - | - | - | 73,463 |
| Total IRB approach | 9,325 | 49,725 | 19,412 | 71,593 | 10,612 | 206,233 | 62,932 | 15,569 | 10,685 | 386,453 | 27,388 | 20,988 | 11,610 | 19,393 | 921,918 |
| Specialised lending | 52 | 273 | - | - | 63 | - | - | - | - | - | - | 777 | 1,172 | 195 | 2,532 |
| Subject to standardised appro | oach | | | | | | | | | | | | | | |
| Corporate | 26 | 25 | 478 | 50 | 29 | 9,024 | 36 | 15 | 15 | = | 116 | 12 | 10 | 3,238 | 13,074 |
| Residential mortgag | ge - | - | - | - | - | - | - | - | - | 16,563 | - | - | - | - | 16,563 |
| Other retail | - | - | - | - | - | - | - | - | 8,668 | - | - | - | - | 118 | 8,786 |
| Other | - | - | - | - | - | - | - | - | - | - | _ | - | - | 7,533 | 7,533 |
| Total standardised appro | pach 26 | 25 | 478 | 50 | 29 | 9,024 | 36 | 15 | 8,683 | 16,563 | 116 | 12 | 10 | 10,889 | 45,956 |
| RBNZ regulated banking subsidiary | 1,344 | 16,707 | 2,895 | 8,641 | 2,040 | 19,017 | 4,834 | 5,078 | 1,492 | 55,777 | 5,748 | 3,027 | 1,306 | 5,104 | 133,010 |
| Total exposure at default | 10,747 | 66,730 | 22,785 | 80,284 | 12,744 | 234,274 | 67,802 | 20,662 | 20,860 | 458,793 | 33,252 | 24,804 | 14,098 | 35,581 | 1,103,416 |

⁽¹⁾ Other includes health and community services, and education.

As at 30 Sep 22

| Ac | ecommodation and hospitality | forestry, fishing and | Business services and property services | Commercial property | | Finance and nsurance | Government and public authorities | Manufacturing | Personal | mortgages | Retail and vholesale trade | Transport and storage | Utilities | Other ⁽¹ | Total exposure at default |
|--------------------------------------|------------------------------------|-----------------------------|---|------------------------|--------|----------------------------|--|---------------|----------|-----------|-------------------------------------|-----------------------------|-----------|---------------------|---------------------------|
| Exposure type | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
| Subject to advance IRB approach | ed | | | | | | | | | | | | | | |
| Corporate (including SME) | 8,661 | 48,184 | 18,356 | 14,162 | 8,719 | 77,116 | - | 16,010 | 36 | - | 26,799 | 22,104 | 12,085 | 18,256 | 270,488 |
| Sovereign | - | - | - | - | | 130,180 | 58,038 | - | - | - | - | - | - | 4 | 188,222 |
| Bank | - | - | - | - | | 26,030 | - | - | - | - | - | - | - | - | 26,030 |
| Retail SME | 686 | 3,447 | 2,353 | 190 | 1,936 | 917 | - | 1,024 | - | - | 2,458 | 848 | 35 | 1,595 | 15,489 |
| Residential mortgag | ge - | - | - | - | - | - | - | - | - | 380,784 | - | - | - | - | 380,784 |
| Qualifying revolving retail | - | - | - | - | - | = | - | = | 8,989 | - | = | - | - | - | 8,989 |
| Other retail | - | - | - | - | - | - | - | = | 1,339 | - | - | - | - | - | 1,339 |
| Total advanced IRB approach | 9,347 | 51,631 | 20,709 | 14,352 | 10,655 | 234,243 | 58,038 | 17,034 | 10,364 | 380,784 | 29,257 | 22,952 | 12,120 | 19,855 | 891,341 |
| Specialised lending | g 52 | 937 | - | 61,358 | 64 | _ | - | - | 4 | - | - | 599 | 1,522 | 351 | 64,887 |
| Subject to standardised appr | oach | | | | | | | | | | | | | | |
| Corporate | 20 | 90 | 497 | 35 | 117 | 6,506 | 8 | 247 | 5 | 68 | 640 | 156 | 9 | 2,983 | 11,381 |
| Residential mortgag | ge - | = | = | = | = | = | = | = | = | 13,978 | - | = | = | = | 13,978 |
| Other retail | - | = | = | - | - | = | = | - | 5,070 | = | - | = | - | 66 | 5,136 |
| Other | - | = | - | = | = | = | = | - | = | = | = | = | - | 7,766 | 7,766 |
| Total standardised appr | oach ²⁰ | 90 | 497 | 35 | 117 | 6,506 | 8 | 247 | 5,075 | 14,046 | 640 | 156 | 9 | 10,815 | 38,261 |
| RBNZ regulated banking subsidiary | 1,303 | 15,819 | 2,698 | 8,624 | 1,775 | 17,014 | 4,614 | 5,455 | 1,425 | 50,910 | 5,199 | 2,983 | 1,109 | 5,001 | 123,929 |
| Total exposure at default | 10,722 | 68,477 | 23,904 | 84,369 | 12,611 | 257,763 | 62,660 | 22,736 | 16,868 | 445,740 | 35,096 | 26,690 | 14,760 | 36,022 | 1,118,418 |

⁽¹⁾ Other includes health and community services, and education.

Table 4.1.E Credit Risk Exposures by Maturity

The following table provides a breakdown of credit risk exposures by residual contractual maturity, where:

- overdraft and other similar revolving facilities are allocated to the maturity bucket that most appropriately captures the maturity characteristics of the product.
- the maturity of derivatives subject to an International Swaps and Derivatives Association (ISDA) netting agreement is based on individual contract maturity.
- the no specified maturity category includes exposures related to credit cards, on demand facilities and guarantees with no fixed maturity date.

| | As at 31 Mar 23 | | | | | | |
|------------------------------------|-----------------|-------------|----------|-----------------------------|---------------------------------|--|--|
| | ≤12 months | 1 - 5 years | >5 years | No specified maturity | Total exposure at default | | |
| Exposure type | \$m | \$m | \$m | \$m | \$m | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | 68,171 | 109,813 | 10,214 | 293 | 188,491 | | |
| Retail SME | 9,252 | 9,714 | 4,858 | 112 | 23,936 | | |
| Residential mortgage | 20,588 | 4,476 | 361,389 | - | 386,453 | | |
| Qualifying revolving retail | = | - | - | 9,105 | 9,105 | | |
| Other retail | 144 | 729 | 516 | 163 | 1,552 | | |
| Subject to foundation IRB approach | | | | | | | |
| Corporate | 12,045 | 26,384 | 7,258 | 85 | 45,772 | | |
| Sovereign | 125,573 | 28,215 | 39,293 | 65 | 193,146 | | |
| Financial institution | 44,298 | 27,160 | 1,861 | 144 | 73,463 | | |
| Total IRB approach | 280,071 | 206,491 | 425,389 | 9,967 | 921,918 | | |
| Specialised lending | 266 | 1,555 | 711 | - | 2,532 | | |
| Subject to standardised approach | | | | | | | |
| Corporate | 6,494 | 3,129 | 3,203 | 248 | 13,074 | | |
| Residential mortgage | 582 | 15 | 15,966 | - | 16,563 | | |
| Other retail | 1,675 | 176 | = | 6,935 | 8,786 | | |
| Other | 4,997 | - | - | 2,536 | 7,533 | | |
| Total standardised approach | 13,748 | 3,320 | 19,169 | 9,719 | 45,956 | | |
| RBNZ regulated banking subsidiary | 27,911 | 37,827 | 58,142 | 9,130 | 133,010 | | |
| Total exposure at default | 321,996 | 249,193 | 503,411 | 28,816 | 1,103,416 | | |

| | As at 30 Sep 22 | | | | |
|-----------------------------------|-----------------|-------------|----------|-----------------------------|---------------------------------|
| | ≤12 months | 1 - 5 years | >5 years | No specified maturity | Total exposure at default |
| Exposure type | \$m | \$m | \$m | \$m | \$m |
| Subject to advanced IRB approach | | | | | |
| Corporate (including SME) | 101,595 | 148,105 | 20,139 | 649 | 270,488 |
| Sovereign | 127,222 | 24,479 | 36,472 | 49 | 188,222 |
| Bank | 18,803 | 6,353 | 874 | - | 26,030 |
| Retail SME | 5,482 | 6,458 | 3,466 | 83 | 15,489 |
| Residential mortgage | 21,603 | 4,566 | 354,615 | - | 380,784 |
| Qualifying revolving retail | = | = | - | 8,989 | 8,989 |
| Other retail | 217 | 680 | 401 | 41 | 1,339 |
| Total advanced IRB approach | 274,922 | 190,641 | 415,967 | 9,811 | 891,341 |
| Specialised lending | 25,191 | 37,536 | 1,978 | 182 | 64,887 |
| Subject to standardised approach | | | | | |
| Corporate | 5,437 | 2,852 | 2,903 | 189 | 11,381 |
| Residential mortgage | 96 | 14 | 13,868 | = | 13,978 |
| Other retail | 1,014 | 153 | 1 | 3,968 | 5,136 |
| Other | 4,964 | 135 | = | 2,667 | 7,766 |
| Total standardised approach | 11,511 | 3,154 | 16,772 | 6,824 | 38,261 |
| RBNZ regulated banking subsidiary | 27,984 | 35,764 | 52,843 | 7,338 | 123,929 |
| Total exposure at default | 339,608 | 267,095 | 487,560 | 24,155 | 1,118,418 |

Credit Provisions and Losses

Table 4.1.F Provisions by Asset Class

The following table provides information on asset quality.

| | As at 3 | As at 31 Mar 23 | | s ended ar 23 |
|------------------------------------|---------------------------------|---|--|-------------------|
| | Non- performing exposures | Specific provision for credit impairment | Specific credit impairment charge | Net write-offs |
| Exposure type | \$m | \$m | \$m | \$m |
| Subject to advanced IRB approach | | | | |
| Corporate (including SME) | 1,686 | 248 | 27 | 34 |
| Retail SME | 831 | 87 | 21 | 16 |
| Residential mortgage | 2,879 | 59 | 3 | 10 |
| Qualifying revolving retail | 57 | - | 27 | 27 |
| Other retail | 43 | 3 | 13 | 17 |
| Subject to foundation IRB approach | | | | |
| Corporate | 14 | 12 | - | - |
| Financial institution | 23 | 10 | - | - |
| Total IRB approach | 5,533 | 419 | 91 | 104 |
| Specialised lending | 27 | 23 | 22 | 7 |
| Subject to standardised approach | | | | |
| Corporate | 28 | 4 | 1 | - |
| Residential mortgage | 143 | 6 | _ | - |
| Other retail | 70 | - | 15 | 15 |
| Total standardised approach | 241 | 10 | 16 | 15 |
| RBNZ regulated banking subsidiary | 927 | 69 | (3) | 14 |
| Total | 6,728 | 521 | 126 | 140 |

| | A + 0 | As at 30 Sep 22 | | ended |
|-----------------------------------|---------------------------------|---|---|-------------------|
| | As at 30 | | | p 22 |
| | Non- performing exposures | Specific provision for credit impairment | Specific credit impairment charge ⁽¹⁾ | Net write-offs |
| Exposure type | \$m | \$m | \$m | \$m |
| Subject to advanced IRB approach | | | | |
| Corporate (including SME) | 1,355 | 249 | 9 | 51 |
| Retail SME | 686 | 60 | 15 | 20 |
| Residential mortgage | 3,070 | 66 | (5) | 14 |
| Qualifying revolving retail | 54 | = | 27 | 21 |
| Other retail | 39 | 3 | 13 | 10 |
| Total advanced IRB approach | 5,204 | 378 | 59 | 116 |
| Specialised lending | 362 | 48 | 4 | 6 |
| Subject to standardised approach | | | - | |
| Corporate | 62 | 22 | 1 | - |
| Residential mortgage | 136 | 5 | = | - |
| Other retail | 57 | = | 14 | 16 |
| Total standardised approach | 255 | 27 | 15 | 16 |
| RBNZ regulated banking subsidiary | 682 | 78 | 10 | 34 |
| Total | 6,503 | 531 | 88 | 172 |

⁽¹⁾ The breakdown of specific credit impairment charge by asset class for the six months ended 30 September 2022 has been restated from that previously disclosed.

Table 4.1.G Provisions by Industry

The following table provides asset quality information by industry. Industry classifications follow ANZSIC Level 1 classifications.

| | As at 2 | As at 31 Mar 23 | | s ended |
|---|---------------------------------|----------------------|--|-------------------|
| | AS at 3 | | | ar 23 |
| | Non- performing exposures | performing provision | Specific credit impairment charge | Net write-offs |
| | \$m | \$m | \$m | \$m |
| Industry sector | | | | |
| Accommodation and hospitality | 127 | 24 | 3 | 5 |
| Agriculture, forestry, fishing and mining | 840 | 35 | 4 | - |
| Business services and property services | 307 | 93 | 8 | 2 |
| Commercial property | 475 | 21 | (3) | 31 |
| Construction | 262 | 51 | 7 | 11 |
| Finance and insurance | 68 | 13 | (1) | - |
| Manufacturing | 267 | 21 | 5 | 6 |
| Personal | 178 | 4 | 58 | 62 |
| Residential mortgages | 3,335 | 65 | 5 | 10 |
| Retail and wholesale trade | 402 | 72 | 22 | 8 |
| Transport and storage | 157 | 39 | (14) | 3 |
| Utilities | 30 | 24 | 24 | - |
| Other ⁽¹⁾ | 280 | 59 | 8 | 2 |
| Total | 6,728 | 521 | 126 | 140 |

⁽¹⁾ Other includes health and community services, and education.

| | As at 30 | As at 30 Sep 22 | | s ended p 22 |
|---|---------------------------------|----------------------|--|-------------------|
| | Non- performing exposures | performing provision | Specific credit impairment charge | Net write-offs |
| | \$m | \$m | \$m | \$m |
| Industry sector | | | | |
| Accommodation and hospitality | 162 | 26 | (5) | 5 |
| Agriculture, forestry, fishing and mining | 597 | 35 | 15 | 5 |
| Business services and property services | 292 | 84 | 2 | 6 |
| Commercial property | 447 | 55 | 6 | 25 |
| Construction | 243 | 54 | 9 | 5 |
| Finance and insurance | 62 | 15 | = | = |
| Manufacturing | 305 | 22 | (3) | 20 |
| Personal | 174 | 3 | 57 | 53 |
| Residential mortgages | 3,453 | 70 | (4) | 19 |
| Retail and wholesale trade | 362 | 57 | 9 | 27 |
| Transport and storage | 189 | 56 | 1 | 3 |
| Utilities | 3 | 2 | - | (1) |
| Other ⁽¹⁾ | 214 | 52 | 1 | 5 |
| Total | 6,503 | 531 | 88 | 172 |

⁽¹⁾ Other includes health and community services, and education.

Table 4.1.H Provisions by Geography

The following table provides asset quality information by geographical area, based on the booking office where the exposure was transacted.

| | As at 31 Mar 23 | | | | |
|---------------------------|---------------------------------|--------------------------|---|--|---|
| | Non- performing exposures | performing provision for | performing provision for provision f exposures credit cred | ng provision for provisions credit contracts | Collective provision for credit impairment |
| | \$m | \$m | \$m | | |
| Geographic region | | | | | |
| Australia | 5,744 | 424 | 4,267 | | |
| New Zealand | 926 | 69 | 743 | | |
| Asia, Europe and Americas | 58 | 28 | 46 | | |
| Total | 6,728 | 521 | 5,056 | | |

| | | As at 30 Sep 22 | | | | |
|---------------------------|---------------------------------|--------------------------|--|---|---|---|
| | Non- performing exposures | performing provision for | performing provision for exposures credit | performing provision for prov exposures credit | performing provision for provision fo exposures credit credi | Collective provision for credit impairment |
| | \$m | | \$m | | | |
| Geographic region | | | | | | |
| Australia | 5,783 | 443 | 4,137 | | | |
| New Zealand | 682 | 80 | 649 | | | |
| Asia, Europe and Americas | 38 | 8 | 40 | | | |
| Total | 6,503 | 531 | 4,826 | | | |

Table 4.1.I Movement in Provisions

The following table provides details of the movement in provisions over the reporting period for both the collective and specific provision.

| | 6 months ended | 6 months ended |
|---|-------------------|-------------------|
| | 31 Mar 23 | 30 Sep 22 |
| | \$m | \$m |
| Collective provision | | |
| Collective provision on loans and advances at amortised cost at beginning of period | 4,541 | 4,423 |
| Net transfer to specific provision | (35) | (38) |
| New and increased provisions (net of collective provision releases) | 301 | 75 |
| Foreign currency translation and other adjustments ⁽¹⁾ | 42 | 81 |
| Collective provision on loans and advances at amortised cost | 4,849 | 4,541 |
| Collective provision on loans and derivatives at fair value | 207 | 285 |
| Collective provision for credit impairment | 5,056 | 4,826 |
| Specific provision | | |
| Specific provision on loans and advances at amortised cost at beginning of period | 515 | 604 |
| Net transfer from collective provision | 35 | 38 |
| New and increased provision (net of collective provision releases) | 264 | 172 |
| Write-back of specific provisions | (110) | (78) |
| Write-off from specific provisions | (186) | (215) |
| Foreign currency translation and other adjustments ⁽¹⁾ | 3 | (6) |
| Specific provision on loans and advances at amortised cost | 521 | 515 |
| Specific provision on loans at fair value | - | 16 |
| Specific provision for credit impairment | 521 | 531 |
| Total provisions | 5,577 | 5,357 |

⁽¹⁾ The amount for the six months ended 30 September 2022 includes the impact on provisions from the acquisition of the Citi consumer business.

Factors Impacting Loss Experience in the Period

Non-performing exposures

Non-performing exposures as at 31 March 2023 increased compared to 30 September 2022 predominantly driven by increased gross impaired assets in New Zealand Banking due to the restructure of a number of customers affected by recent severe weather events in New Zealand, and a modest increase in default <90 days past due but not impaired assets, driven by an increase across the Business & Private Banking business lending portfolio. This was partially offset by a decrease in 90+ days past due facilities, primarily due to improved delinquencies across the Australian mortgage portfolio.

Specific provision for credit impairment

Specific provisions for credit impairment as at 31 March 2023 decreased compared to 30 September 2022 primarily due to work-outs for a small number of exposures in the business lending portfolio in Australia and New Zealand, partially offset by new and increased specific provisions raised.

Specific credit impairment charge

The specific credit impairment charge for the six months ended 31 March 2023 is \$126 million, \$38 million higher than the six months ended 30 September 2022. This increase was mainly driven by a modest increase in Business & Private Banking off a low base, due to a small number of individual impairments.

Net write-offs

Net write-offs for the six months ended 31 March 2023 is \$140 million, \$32 million lower than the six months ended 30 September 2022. This decrease is due to a lower level of write-off activity in the Group's business lending portfolio compared to the prior period.

Loss Experience and Risk Estimates

As outlined in Table 4.1.B Total and Average Credit Risk Exposures, the revised capital framework has resulted in exposures being reflected under different or new asset classes. The following loss experience and risk estimate disclosures are based on prudential requirements prior to the revised capital framework. Loss experience and risk estimate information based on revised capital framework asset classes will be captured from 1 April 2023. However, as a significant portion of specialised lending exposures previously subject to supervisory slotting are now subject to the advanced or foundation IRB approach under APRA requirements, loss experience and risk estimate information for this non-IRB asset class has been included in Table 4.1.J (i) Loss Experience, Table 4.1.J (ii) Accuracy of Risk Estimates for Probability of Default and Exposure at Default and Table 4.1.J (iii) Accuracy of Risk Estimates for Loss Given Default for the current period for the Level 2 Group excluding BNZ.

Change in presentation

The comparatives in the following disclosures have been restated to:

- limit the loss experience and risk estimate information to a 10-year observation period. In the past, this disclosure included information for the 13 years to 30 September 2022 and the 12 years to March 2022.
- remove amounts for the RBNZ regulated banking subsidiary from asset classes under which they were previously disclosed. For the loss experience disclosure in Table 4.1.J (i), amounts for the RBNZ banking subsidiary have been aggregated into two lines for retail and non-retail. For the risk estimates disclosure in Tables 4.1.J (ii) and (iii), information has been disclosed for the RBNZ regulated banking subsidiary's significant asset classes, being corporate (including SME) and residential mortgages.

Table 4.1.J (i) Loss Experience

The following table provides annual actual losses (i.e. net write-offs) and expected loss (EL), both calculated as an exposureweighted average (before credit risk mitigation). Actual losses are historical based on a 10-year observation period, except where indicated, whereas EL is a forward-looking measure of estimated loss that may be experienced over the next 12 months at a point in time.

Actual losses will differ from EL estimates as actual losses are a lag indicator of the quality of the assets in prior periods. Other differences between these measures are:

- actual losses do not take into account modelled economic costs such as internal workout costs factored into estimates of loss.
- EL is based on the quality of exposures at a point in time using long-run probability of default (PD) and stressed LGD. In most periods actual losses would be below the EL estimate.
- EL includes expected losses on non-defaulted assets which is a function of long-run PDs and downturn stressed LGDs. For defaulted exposures, EL is based on the Group's best estimate of expected loss.

| | 31 Mar 23 | | |
|--|---|-------------------------------------|--|
| | Exposure- weighted average actual loss | Exposure- weighted average EL | |
| Exposure type subject to IRB approach | \$m | \$m | |
| Corporate (including SME) | 195 | 1,330 | |
| Specialised lending | 47 | 1,002 | |
| Sovereign | = | 3 | |
| Bank | = | 14 | |
| Retail SME | 40 | 160 | |
| Residential mortgage | 56 | 890 | |
| Qualifying revolving retail | 131 | 193 | |
| Other retail | 74 | 110 | |
| RBNZ regulated banking subsidiary ⁽¹⁾ | | | |
| Non-retail Non-retail | 39 | 327 | |
| Retail | 16 | 130 | |

⁽¹⁾ Actual losses and EL averaged over a period of nine years to 31 March 2023.

| | 30 Sep 2 | 2 |
|--|---|-------------------------------------|
| | Exposure- weighted average actual loss | Exposure- weighted average EL |
| Exposure type subject to advanced IRB approach | \$m | \$m |
| Corporate (including SME) | 210 | 1,293 |
| Sovereign | - | 3 |
| Bank | - | 14 |
| Retail SME | 42 | 161 |
| Residential mortgage | 60 | 872 |
| Qualifying revolving retail | 139 | 193 |
| Other retail | 77 | 106 |
| RBNZ regulated banking subsidiary ⁽¹⁾ | | |
| Non-retail | 39 | 354 |
| Retail | 17 | 127 |

⁽¹⁾ Actual losses and EL averaged over a period of nine years to 30 September 2022.

| | 31 Mar 22 | 2 |
|--|---|-------------------------------------|
| | Exposure- weighted average actual loss | Exposure- weighted average EL |
| Exposure type subject to advanced IRB approach | \$m | \$m |
| Corporate (including SME) | 214 | 1,386 |
| Sovereign | - | 2 |
| Bank | - | 15 |
| Retail SME | 41 | 157 |
| Residential mortgage | 60 | 889 |
| Qualifying revolving retail | 139 | 202 |
| Other retail | 78 | 113 |
| RBNZ regulated banking subsidiary ⁽¹⁾ | | |
| Non-retail | 41 | 334 |
| Retail | 17 | 132 |

⁽¹⁾ Actual losses and EL averaged over a period of eight years to 31 March 2022.

Accuracy of Risk Estimates

The following tables compare the estimates of credit risk factors used within the calculation of regulatory capital with actual outcomes across asset classes.

An explanation of the internal ratings process and the application of credit risk models to calculate PD, EaD and LGD is provided within Section 5.3 *Internal Ratings-based Portfolios* of the September 2022 Pillar 3 Report.

Table 4.1.J (ii) Accuracy of Risk Estimates for Probability of Default and Exposure at Default

Accuracy of risk estimates for Probability of Default

The following table provides internal estimates of long-run PD and actual default rates by asset class. Averages of actual and estimated PD are calculated using the cohort that is not in default at the beginning of the reporting period and averaged out over a 10-year observation period.

Accuracy of risk estimates for Exposure at Default

The ratio of estimated to actual EaD in the following table provides a comparison of EaD for customers that are not in default at the beginning of the reporting period, with EaD at the point of default. A ratio greater than 1.0 signifies that on average, EaD is lower at the point of default than at the beginning of the reporting period.

| | | As at 31 Mar 23 | | |
|---------------------------------------|----------------------------|----------------------|---|--|
| | Average estimated PD | Average actual PD | Ratio of estimated to actual EaD | |
| Exposure type subject to IRB approach | % | % | | |
| Corporate (including SME) | 1.63 | 1.41 | 1.1 | |
| Specialised lending | 1.60 | 1.41 | 1.1 | |
| Sovereign ⁽¹⁾ | 0.38 | 0.12 | 1.0 | |
| Bank ⁽¹⁾ | 0.40 | 0.12 | 1.0 | |
| Retail SME | 2.46 | 1.96 | 1.1 | |
| Residential mortgage | 0.90 | 0.91 | 1.0 | |
| Qualifying revolving retail | 1.44 | 1.35 | 1.1 | |
| Other retail | 5.07 | 5.06 | 1.1 | |
| RBNZ regulated banking subsidiary | | | | |
| Corporate (including SME) | 1.46 | 1.33 | 1.0 | |
| Residential mortgage | 1.01 | 0.69 | 1.0 | |

⁽¹⁾ Average actual PDs for sovereign and bank exposures are based on a low number of observed defaults.

| | As at 30 Sep 22 | | |
|--|----------------------------|----------------------|---|
| | Average estimated PD | Average actual PD | Ratio of estimated to actual EaD |
| Exposure type subject to advanced IRB approach | % | % | |
| Corporate (including SME) | 1.65 | 1.48 | 1.1 |
| Sovereign ⁽¹⁾ | 0.36 | 0.13 | 1.0 |
| Bank ⁽¹⁾ | 0.42 | 0.15 | 1.4 |
| Retail SME | 2.50 | 1.95 | 1.1 |
| Residential mortgage | 0.88 | 0.93 | 1.0 |
| Qualifying revolving retail | 1.38 | 1.38 | 1.1 |
| Other retail | 4.89 | 4.94 | 1.1 |
| RBNZ regulated banking subsidiary | | | |
| Corporate (including SME) | 1.47 | 1.23 | 1.0 |
| Residential mortgage | 1.02 | 0.71 | 1.0 |

⁽¹⁾ Average actual PDs for sovereign and bank exposures are based on a low number of observed defaults.

| | | As at 31 Mar 22 | | |
|--|----------------------------|----------------------|---|--|
| | Average estimated PD | Average actual PD | Ratio of estimated to actual EaD | |
| Exposure type subject to advanced IRB approach | % | % | | |
| Corporate (including SME) | 1.67 | 1.56 | 1.1 | |
| Sovereign ⁽¹⁾ | 0.39 | 0.10 | 1.0 | |
| Bank ⁽¹⁾ | 0.40 | 0.11 | 1.4 | |
| Retail SME | 2.48 | 1.94 | 1.1 | |
| Residential mortgage | 0.92 | 0.93 | 1.0 | |
| Qualifying revolving retail | 1.49 | 1.39 | 1.1 | |
| Other retail | 4.97 | 4.92 | 1.1 | |
| RBNZ regulated banking subsidiary | | | | |
| Corporate (including SME) | 1.49 | 1.25 | 1.0 | |
| Residential mortgage | 1.03 | 0.74 | 1.0 | |

⁽¹⁾ Average actual PDs for sovereign and bank exposures are based on a low number of observed defaults.

Table 4.1.J (iii) Accuracy of Risk Estimates for Loss Given Default

The following table compares internal estimates of downturn LGD at the beginning of the year with actual losses.

Actual LGD has been calculated using net write-offs from defaults over a 10-year observation period to the reporting date, excluding recent defaults to allow sufficient time to complete the workout of the asset and recognition of any losses. For defaults relating to qualifying revolving retail and other retail, this period is the most recent 12 months and for all other asset classes this period is the most recent two years.

| | As at 31 | As at 31 Mar 23 | |
|--|---|-----------------------|--|
| | Average estimated downturn LGD | Average actual LGD | |
| Exposure type subject to IRB approach | % | % | |
| Corporate (including SME) ⁽¹⁾ | 33.2 | 16.2 | |
| Specialised lending | 29.6 | 7.4 | |
| Sovereign | 45.0 | - | |
| Bank | 59.6 | = | |
| Retail SME | 32.1 | 13.7 | |
| Residential mortgage ⁽¹⁾ | 20.0 | 2.2 | |
| Qualifying revolving retail | 83.6 | 50.7 | |
| Other retail | 75.2 | 45.4 | |
| RBNZ regulated banking subsidiary | | | |
| Corporate (including SME) | 40.7 | 8.2 | |
| Residential mortgage ⁽²⁾ | 23.9 | 2.3 | |

⁽¹⁾ Estimated downturn LGD subject to APRA imposed regulatory floors.

⁽²⁾ Estimated downturn LGD subject to RBNZ imposed regulatory floors.

| | As at 30 | As at 30 Sep 22 | |
|--|---|-----------------------|--|
| | Average estimated downturn LGD | Average actual LGD | |
| Exposure type subject to advanced IRB approach | % | % | |
| Corporate (including SME) ⁽¹⁾ | 33.3 | 20.9 | |
| Sovereign | 45.0 | - | |
| Bank | 21.0 | - | |
| Retail SME | 32.4 | 14.7 | |
| Residential mortgage ⁽¹⁾ | 20.0 | 2.7 | |
| Qualifying revolving retail | 83.5 | 51.4 | |
| Other retail | 74.3 | 46.2 | |
| RBNZ regulated banking subsidiary | | | |
| Corporate (including SME) | 40.9 | 8.1 | |
| Residential mortgage ⁽²⁾ | 24.1 | 2.6 | |

⁽¹⁾ Estimated downturn LGD subject to APRA imposed regulatory floors.

⁽²⁾ Estimated downturn LGD subject to RBNZ imposed regulatory floors.

General Disclosures (cont.)

| | As at 31 | Mar 22 |
|--|---|-----------------------|
| | Average estimated downturn LGD | Average actual LGD |
| Exposure type subject to advanced IRB approach | % | % |
| Corporate (including SME) ⁽¹⁾ | 34.5 | 22.9 |
| Sovereign | 45.0 | - |
| Bank | 21.1 | - |
| Retail SME | 33.1 | 15.6 |
| Residential mortgage ⁽¹⁾ | 20.0 | 3.1 |
| Qualifying revolving retail | 84.4 | 52.1 |
| Other retail | 75.2 | 46.4 |
| RBNZ regulated banking subsidiary | | |
| Corporate (including SME) | 40.8 | 8.9 |
| Residential mortgage ⁽²⁾ | 24.2 | 3.0 |

⁽¹⁾ Estimated downturn LGD subject to APRA imposed regulatory floors.
(2) Estimated downturn LGD subject to RBNZ imposed regulatory floors.

4.2 Standardised and Supervisory Slotting Portfolios

Standardised Credit Risk Portfolios

Adoption of the revised capital framework on 1 January 2023 resulted in:

- bank and sovereign exposures of the RBNZ regulated banking subsidiary ceasing to be modelled exposure classes under RBNZ prudential rules, and
- non-standard mortgages of the Level 2 Group excluding BNZ previously measured under the advanced IRB approach, being measured under the standardised approach.

The standardised approach continues to be applied to:

- several regulatory prescribed portfolios, such as qualifying central clearing counterparties, self-managed superannuation funds and margin lending, and
- · other portfolios where the standardised approach to credit risk is applied by the Group, including the Citi consumer business.

Fitch Ratings, Moody's Investor Services and S&P Global Ratings credit ratings are used to determine the risk-weights within the standardised approach, as presented in the table below. APRA's external rating grades table is used to map external ratings into an external rating grade or credit rating grade that defines the appropriate risk-weight as outlined in APS 112.

External rating grade classification

| External rating grade | S&P | Moody's | Fitch |
|-----------------------|---------------------------|-------------------------|---------------------------|
| 1 | AAA, AA+, AA, AA- | Aaa, Aa1, Aa2, Aa3 | AAA, AA+, AA, AA- |
| 2 | A+, A, A- | A1, A2, A3 | A+, A, A- |
| 3 | BBB+, BBB, BBB- | Baa1, Baa2, Baa3 | BBB+, BBB, BBB- |
| 4 | BB+, BB, BB- | Ba1, Ba2, Ba3 | BB+, BB, BB- |
| 5 | B+, B, B- | B1, B2, B3 | B+, B, B- |
| 6 | CCC+, CCC, CCC-, CC, C, D | Caa1, Caa2, Caa3, Ca, C | CCC+, CCC, CCC-, CC, C, D |

Table 4.2.A Standardised Exposures by Risk-weight

The following table provides credit risk exposures subject to the standardised approach by risk-weight.

| | As at 31 Mar 23 | | | As at 30 Sep 22 | | |
|---|--------------------------------------|--|---------------------------------|--------------------------------------|--|---------------------------------|
| | Level 2 Group excluding BNZ | RBNZ regulated banking subsidiary | Total exposure at default | Level 2 Group excluding BNZ | RBNZ regulated banking subsidiary | Total exposure at default |
| Risk-weights | | \$m | | | | \$m |
| 0% | 1,204 | 14,641 | 15,845 | 1,021 | 127 | 1,148 |
| 2% | 6,223 | 806 | 7,029 | 4,897 | 433 | 5,330 |
| 20% | 6,678 | 1,765 | 8,443 | 3,724 | = | 3,724 |
| 25% | 2,401 | - | 2,401 | - | = | = |
| 30% | 2,912 | - | 2,912 | - | = | = |
| 35% | 3,423 | - | 3,423 | 12,196 | 6 | 12,202 |
| 40% | 1,189 | - | 1,189 | - | = | = |
| 45% | 1,924 | - | 1,924 | - | = | = |
| 50% | 1,097 | 2,221 | 3,318 | 1,315 | 1 | 1,316 |
| 75% | 6,233 | - | 6,233 | 367 | 1 | 368 |
| 100% | 11,318 | 997 | 12,315 | 14,111 | 913 | 15,024 |
| Other risk-weights | 1,042 | - | 1,042 | 378 | - | 378 |
| Central counterparty default fund contribution guarantee ⁽¹⁾ | 312 | 26 | 338 | 252 | 12 | 264 |
| Total exposure at default subject to the standardised approach | 45,956 | 20,456 | 66,412 | 38,261 | 1,493 | 39,754 |

⁽¹⁾ Default fund contributions to qualifying central clearing counterparties are shown separately as they do not align to the risk-weights above.

Table 4.2.B Standardised Exposures by Risk Grade

The following table provides credit risk exposures subject to the standardised approach by risk grade.

| | As | at |
|--|---------------------|---------------------|
| | 31 Mar 23 | 30 Sep 22 |
| | Exposure at default | Exposure at default |
| Asset class by rating grade | \$m | \$m |
| Corporate | | |
| External rating grade 1 | 5,069 | 4,340 |
| External rating grade 2 | 1,695 | 1,391 |
| Unrated | 6,310 | 5,650 |
| Sub-total | 13,074 | 11,381 |
| Residential mortgage | | |
| Unrated | 16,563 | 13,978 |
| Other retail | | |
| Unrated | 8,786 | 5,136 |
| 0ther | | |
| Unrated | 7,533 | 7,766 |
| RBNZ regulated banking subsidiary | | |
| External rating grade 1 | 16,813 | 446 |
| External rating grade 2 | 2,324 | = |
| External rating grade 3 | 34 | = |
| External rating grade 4 and 5 | 8 | - |
| Unrated | 1,277 | 1,047 |
| Sub-total | 20,456 | 1,493 |
| Total exposure at default subject to the standardised approach | 66,412 | 39,754 |

Portfolios Subject to Supervisory Risk-weights in the IRB Approach

Table 4.2.C Supervisory Slotting Exposures by Risk-weight

The following table provides credit exposures for specialised lending exposures subject to supervisory slotting by risk-weight.

| | | As at 31 Mar 23 | | | As at 30 Sep 22 | | | |
|--|--------------------------------------|--|---------------------------------|--------------------------------------|--|---------------------------------|--|--|
| | Level 2 Group excluding BNZ | RBNZ regulated banking subsidiary | Total exposure at default | Level 2 Group excluding BNZ | RBNZ regulated banking subsidiary | Total exposure at default | | |
| Risk-weights | \$m | | | | | \$m | | |
| 70% | 1,529 | 1,280 | 2,809 | 23,663 | 1,511 | 25,174 | | |
| 90% | 636 | 4,863 | 5,499 | 34,419 | 4,750 | 39,169 | | |
| 115% | 333 | 647 | 980 | 5,914 | 621 | 6,535 | | |
| 250% | 7 | 104 | 111 | 487 | 9 | 496 | | |
| Default | 27 | 33 | 60 | 404 | 40 | 444 | | |
| Total specialised lending exposure subject to supervisory slotting | 2,532 | 6,927 | 9,459 | 64,887 | 6,931 | 71,818 | | |

4.3 Internal Ratings-based Portfolios

Table 4.3.A Non-retail Exposures by Risk Grade

The following table provides a breakdown of non-retail credit exposures by PD risk grade. Exposures have been categorised into PD grades as assessed by the Group's own internal ratings system, however for disclosure purposes have been categorised into bands that broadly correspond to externally recognised risk grades. Moody's Investor Services risk grades have been included as a reference point.

| | As at 31 Mar 23 | | | | | | |
|--------------------------------------|-----------------------|------------|------------------------|------------|------------|-----------------|---------|
| | PD risk grade mapping | | | | | | |
| External credit rating equivalent | Aa3 and above | A1, A2, A3 | Baa1, Baa2, Baa3 | Ba1, Ba2 | Ba3, B1 | B2 and below | Default |
| | 0<0.03% | 0.03<0.11% | 0.11<0.55% | 0.55<2.00% | 2.00<5.01% | 5.01<99.99% | 100% |
| | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
| Exposure at default | | | | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | - | 6,323 | 50,139 | 106,568 | 20,884 | 2,981 | 1,596 |
| Retail SME | - | 640 | 6,565 | 10,934 | 4,077 | 903 | 817 |
| Subject to foundation IRB approach | | | | | | | |
| Corporate | - | 8,310 | 29,588 | 6,799 | 700 | 358 | 17 |
| Sovereign | 186,770 | 6,285 | 89 | 2 | - | = | - |
| Financial institution | - | 55,554 | 15,649 | 1,925 | 272 | 41 | 22 |
| Total IRB approach | 186,770 | 77,112 | 102,030 | 126,228 | 25,933 | 4,283 | 2,452 |
| RBNZ regulated banking subsidiary | 2,792 | 2,395 | 20,136 | 18,836 | 2,890 | 682 | 639 |
| Total exposure at default | 189,562 | 79,507 | 122,166 | 145,064 | 28,823 | 4,965 | 3,091 |
| Undrawn commitments(1) | | | | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | - | 2,563 | 8,112 | 10,185 | 2,319 | 155 | 52 |
| Retail SME | - | 347 | 2,843 | 2,917 | 620 | 117 | 54 |
| Subject to foundation IRB approach | | | | | | | |
| Corporate | - | 4,029 | 9,897 | 1,535 | 275 | 80 | - |
| Sovereign | 24,252 | 289 | _ | 1 | = | = | = |
| Financial institution | - | 25,535 | 8,478 | 371 | 31 | 2 | - |
| Total IRB approach | 24,252 | 32,763 | 29,330 | 15,009 | 3,245 | 354 | 106 |
| RBNZ regulated banking subsidiary | 811 | 1,440 | 6,436 | 3,157 | 421 | 80 | 34 |
| Total undrawn commitments | 25,063 | 34,203 | 35,766 | 18,166 | 3,666 | 434 | 140 |
| | | | | | | | |
| Average exposure at default (\$m)(2) | | | | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | - | 0.86 | 0.57 | 0.57 | 0.41 | 0.28 | 0.46 |
| Retail SME | - | 0.13 | 0.06 | 0.05 | 0.06 | 0.03 | 0.06 |
| Subject to foundation IRB approach | | | | | | | |
| Corporate | - | 4.45 | 1.77 | 1.47 | 2.32 | 2.28 | 1.13 |
| Sovereign | 52.35 | 4.56 | 2.48 | 0.04 | small | 0.04 | - |
| Financial institution | - | 0.54 | 0.92 | 0.47 | 0.38 | 0.21 | 0.42 |
| RBNZ regulated banking subsidiary | 10.27 | 0.14 | 0.53 | 0.45 | 0.19 | 0.22 | 0.36 |
| Exposure-weighted average LGD (%) | | | | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | - | 39.6% | 27.1% | 27.0% | 28.6% | 29.3% | 36.3% |
| Retail SME | - | 25.5% | 27.5% | 30.2% | 31.1% | 31.6% | 32.7% |
| Subject to foundation IRB approach | | | | | | | |
| Corporate | - | 41.1% | 42.5% | 41.0% | 38.6% | 16.2% | 45.1% |
| Sovereign | 5.0% | 25.0% | 24.9% | 29.4% | 25.0% | 25.0% | n/a |
| Financial institution | = | 49.5% | 48.0% | 39.8% | 29.5% | 36.1% | 43.0% |
| RBNZ regulated banking subsidiary | 48.5% | 39.1% | 34.3% | 31.7% | 34.7% | 41.4% | 36.3% |
| | | | | | | | |
| | | | | | | | |

| As | at | 31 | Mar | 23 |
|----|----|----|-----|----|
| | | | | |

| | No at of Mai 20 | | | | | | |
|---|------------------|------------|------------------------|---------------|--------------|-----------------|---------|
| | | | PD r | isk grade map | ping | | |
| External credit rating equivalent | Aa3 and above | A1, A2, A3 | Baa1, Baa2, Baa3 | Ba1, Ba2 | Ba3, B1 | B2 and below | Default |
| | 0<0.03% | 0.03<0.11% | 0.11<0.55% | 0.55<2.00% | 2.00 < 5.01% | 5.01<99.99% | 100% |
| | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
| Exposure-weighted average risk- weight (%) | | | | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | - | 21.1% | 34.5% | 57.8% | 78.9% | 119.1% | 152.7% |
| Retail SME | - | 6.8% | 16.9% | 36.6% | 57.6% | 86.6% | 167.4% |
| Subject to foundation IRB approach | | | | | | | |
| Corporate | - | 27.2% | 55.3% | 92.5% | 138.0% | 143.3% | - |
| Sovereign | 0.6% | 8.9% | 50.8% | 48.0% | 68.3% | 46.9% | - |
| Financial institution | - | 24.2% | 47.6% | 99.7% | 106.6% | 194.0% | - |
| RBNZ regulated banking subsidiary | 4.3% | 32.9% | 39.5% | 61.2% | 89.8% | 164.1% | 294.1% |

⁽¹⁾ Undrawn commitments are included in total exposure shown above.
(2) Simple average of exposure by number of arrangements.

| | As at 30 Sep 22 PD risk grade mapping | | | | | | |
|---|---------------------------------------|------------|------------------------|------------|------------|-----------------|---------|
| | | | | | | | |
| External credit rating equivalent | Aa3 and above | A1, A2, A3 | Baa1, Baa2, Baa3 | Ba1, Ba2 | Ba3, B1 | B2 and below | Default |
| | 0<0.03% | 0.03<0.11% | 0.11<0.55% | 0.55<2.00% | 2.00<5.01% | 5.01<99.99% | 100% |
| | \$m | \$m | \$m | \$m | \$m | \$m | \$m |
| Exposure at default | | | | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | - | 75,785 | 96,247 | 77,532 | 16,750 | 2,751 | 1,423 |
| Sovereign | 181,586 | 5,290 | 1,251 | 3 | 92 | = | - |
| Bank | = | 23,087 | 2,938 | 5 | = | = | - |
| Retail SME | - | 1,664 | 4,650 | 5,636 | 2,265 | 600 | 674 |
| Total advanced IRB approach | 181,586 | 105,826 | 105,086 | 83,176 | 19,107 | 3,351 | 2,097 |
| RBNZ regulated banking subsidiary | 12,166 | 7,233 | 20,336 | 17,288 | 2,740 | 948 | 434 |
| Total exposure at default | 193,752 | 113,059 | 125,422 | 100,464 | 21,847 | 4,299 | 2,531 |
| Undrawn commitments(1) | | , | | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | - | 27,336 | 29,071 | 12,570 | 2,387 | 440 | 85 |
| Sovereign | 2,426 | 227 | 1 | 1 | 1 | = | - |
| Bank | = | 152 | 22 | = | = | = | - |
| Retail SME | = | 932 | 1,385 | 873 | 227 | 54 | 45 |
| Total advanced IRB approach | 2,426 | 28,647 | 30,479 | 13,444 | 2,615 | 494 | 130 |
| RBNZ regulated banking subsidiary | 150 | 1,825 | 5,785 | 2,737 | 430 | 97 | 15 |
| Total undrawn commitments | 2,576 | 30,472 | 36,264 | 16,181 | 3,045 | 591 | 145 |
| | | | | | | | |
| Average exposure at default (\$m)(2) | | | | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | - | 2.55 | 0.94 | 0.59 | 0.38 | 0.31 | 0.40 |
| Sovereign | 54.48 | 4.60 | 14.54 | 0.04 | 3.85 | _ | - |
| Bank | - | 0.22 | 0.60 | 0.25 | 0.01 | _ | - |
| Retail SME | - | 0.05 | 0.05 | 0.05 | 0.05 | 0.02 | 0.04 |
| RBNZ regulated banking subsidiary | 30.26 | 0.42 | 0.50 | 0.42 | 0.19 | 0.32 | 0.40 |
| Exposure-weighted average LGD (%) | | | | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | = | 51.5% | 35.5% | 27.4% | 27.1% | 27.0% | 36.0% |
| Sovereign | 4.1% | 37.1% | 45.0% | 44.9% | 15.2% | 45.0% | n/a |
| Bank | - | 53.8% | 59.5% | 59.6% | 59.6% | 59.6% | 59.6% |
| Retail SME | - | 21.9% | 23.3% | 26.1% | 27.6% | 27.8% | 30.2% |
| RBNZ regulated banking subsidiary | 5.5% | 41.3% | 36.1% | 32.5% | 33.8% | 42.4% | 40.4% |
| Exposure-weighted average risk- weight (%) | | | | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | = | 23.9% | 39.7% | 51.0% | 65.5% | 102.4% | 192.3% |
| Sovereign | 0.4% | 11.8% | 23.8% | 98.5% | 55.4% | 176.2% | _ |

18.4%

5.6%

15.9%

54.3%

13.3%

40.0%

130.3%

30.5%

60.9%

155.2%

49.5%

85.4%

280.7%

76.0%

156.1%

207.6%

227.9%

RBNZ regulated banking subsidiary

Bank

Retail SME

⁽¹⁾ Undrawn commitments are included in total exposure shown above.

⁽²⁾ Simple average of exposure by number of arrangements.

Table 4.3.B Retail Exposures by Risk Grade

The following table provides a breakdown of the retail credit exposures by PD risk grade, categorised into bands that broadly $correspond\ to\ externally\ recognised\ risk\ grades,\ ranging\ from\ super\ senior\ investment\ grade\ to\ defaulted\ exposures.$

| | | | As at 31 | Mar 23 | | |
|---|--------|----------|----------|------------|-----------|--------|
| | | | PD risk | grade | | |
| | 0<0.1% | 0.1<0.5% | 0.5<2.0% | 2.0 < 5.0% | 5.0<99.9% | 100% |
| | \$m | \$m | \$m | \$m | \$m | \$m |
| Exposure at default | | | | | | |
| Subject to advanced IRB approach | | | | | | |
| Residential mortgage | 65,254 | 202,607 | 90,738 | 14,092 | 10,936 | 2,826 |
| Qualifying revolving retail | - | 5,730 | 2,006 | 922 | 381 | 66 |
| Other retail | 63 | 116 | 479 | 569 | 286 | 39 |
| Total IRB approach | 65,317 | 208,453 | 93,223 | 15,583 | 11,603 | 2,931 |
| RBNZ regulated banking subsidiary | 773 | 1,700 | 52,577 | 1,875 | 92 | 240 |
| Total exposure at default | 66,090 | 210,153 | 145,800 | 17,458 | 11,695 | 3,171 |
| Undrawn commitments ⁽¹⁾ | | | | | | |
| Subject to advanced IRB approach | | | | | | |
| Residential mortgage | 25,400 | 27,253 | 3,606 | 679 | 174 | 34 |
| Qualifying revolving retail | - | 4,271 | 669 | 163 | 52 | 15 |
| Other retail | 59 | 71 | 67 | 36 | 58 | 1 |
| Total IRB approach | 25,459 | 31,595 | 4,342 | 878 | 284 | 50 |
| RBNZ regulated banking subsidiary | 482 | 988 | 2,105 | 79 | 5 | - |
| Total undrawn commitments | 25,941 | 32,583 | 6,447 | 957 | 289 | 50 |
| | | | | | | |
| Average exposure at default (\$m)(2) | | | | | | |
| Subject to advanced IRB approach | | | | | | |
| Residential mortgage | 0.06 | 0.34 | 0.44 | 0.48 | 0.42 | 0.30 |
| Qualifying revolving retail | - | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| Other retail | small | 0.01 | 0.01 | 0.01 | small | small |
| RBNZ regulated banking subsidiary | small | 0.02 | 0.17 | 0.05 | small | 0.03 |
| Exposure-weighted average LGD (%) | | | | | | |
| Subject to advanced IRB approach | | | | | | |
| Residential mortgage | 13.8% | 15.1% | 17.1% | 18.5% | 17.5% | 24.3% |
| Qualifying revolving retail | _ | 74.0% | 74.7% | 76.0% | 76.2% | 75.3% |
| Other retail | 71.8% | 72.5% | 72.5% | 72.8% | 75.4% | 83.5% |
| RBNZ regulated banking subsidiary | 86.6% | 31.5% | 18.6% | 20.6% | 47.3% | 20.2% |
| Exposure-weighted average risk-weight (%) | | | | | | |
| Subject to advanced IRB approach | | | | | | |
| Residential mortgage | 6.1% | 12.9% | 34.4% | 85.3% | 137.6% | 237.1% |
| Qualifying revolving retail | _ | 7.9% | 33.4% | 73.4% | 163.4% | 199.0% |
| Other retail | 13.7% | 40.9% | 88.2% | 111.1% | 164.2% | 328.1% |
| RBNZ regulated banking subsidiary | 13.7% | 19.2% | 25.2% | 67.3% | 194.0% | 251.7% |

⁽¹⁾ Undrawn commitments are included in total exposures shown above.

⁽²⁾ Simple average of exposure by number of arrangements.

| Exposure at default Subject to advanced IRB approach Residential mortgage Qualifying revolving retail | 0<0.1% \$m | 0.1<0.5% \$m | PD risk 0.5<2.0% | grade 2.0<5.0% | | |
|---|---------------|-----------------|---------------------|-------------------|---------------|---------------|
| Subject to advanced IRB approach Residential mortgage | | | 0.5<2.0% | 2 0 < 5 0% | | |
| Subject to advanced IRB approach Residential mortgage | \$m | \$m | | 2.0 (0.0% | 5.0<99.9% | 100% |
| Subject to advanced IRB approach Residential mortgage | | | \$m | \$m | \$m | \$m |
| Residential mortgage | | | 1 | | | |
| | | | | | | |
| Oualifying revolving retail | 64,384 | 204,843 | 87,057 | 11,989 | 9,470 | 3,041 |
| | 1,768 | 4,107 | 1,932 | 828 | 330 | 24 |
| Other retail | 64 | 119 | 438 | 479 | 203 | 36 |
| RBNZ regulated banking subsidiary | 656 | 1,589 | 47,973 | 1,786 | 45 | 249 |
| Total exposure at default | 66,872 | 210,658 | 137,400 | 15,082 | 10,048 | 3,350 |
| Undrawn commitments(1) | | ' | ' | | | |
| Subject to advanced IRB approach | | | | | | |
| Residential mortgage | 27,904 | 23,207 | 3,444 | 475 | 161 | 10 |
| Qualifying revolving retail | 1,600 | 2,777 | 619 | 139 | 51 | - |
| Other retail | 61 | 72 | 65 | 34 | 28 | - |
| RBNZ regulated banking subsidiary | 427 | 805 | 1,960 | 82 | 7 | 1 |
| Total undrawn commitments | 29,992 | 26,861 | 6,088 | 730 | 247 | 11 |
| Average exposure at default (\$m)(2) | | | | | | |
| Subject to advanced IRB approach | 0.17 | 0.00 | 0.40 | ٥٠٥ | 0.44 | 0.00 |
| Residential mortgage | 0.17 | 0.36 | 0.43 | 0.52 | 0.44 | 0.38 |
| Qualifying revolving retail Other retail | 0.01 small | 0.01 0.01 | 0.01 0.01 | 0.01 0.01 | 0.01 small | 0.01 small |
| | | | | 0.01 | | |
| RBNZ regulated banking subsidiary | small | 0.01 | 0.15 | 0.05 | small | 0.05 |
| Exposure-weighted average LGD (%) | | | | | | |
| Subject to advanced IRB approach | 20.0% | 20.0% | 20.0% | 20.0% | 20.0% | 20.0% |
| Residential mortgage Qualifying revolving retail | 74.0% | 74.1% | 74.7% | 75.8% | 75.9% | 76.5% |
| Other retail | 71.8% | 72.7% | 72.5% | 72.8% | 75.3% | 84.2% |
| RBNZ regulated banking subsidiary | 86.5% | 34.6% | 18.9% | 20.6% | 78.9% | 19.8% |
| Exposure-weighted average risk-weight (%) | 00.5% | 34.0% | 10.5% | 20.0% | 10.9% | 19.0% |
| Subject to advanced IRB approach | | | | | | |
| Residential mortgage | 4.9% | 16.4% | 37.1% | 76.9% | 123.8% | 201.1% |
| Qualifying revolving retail | 2.6% | 8.8% | 32.0% | 69.9% | 155.8% | 543.5% |
| Other retail | 10.7% | 40.1% | 84.6% | 107.0% | 149.7% | 355.4% |
| RBNZ regulated banking subsidiary | 13.0% | 19.9% | 25.7% | 69.0% | 149.1% | 236.6% |

⁽¹⁾ Undrawn commitments are included in total exposures shown above.
(2) Simple average of exposure by number of arrangements.

4.4 Credit Risk Mitigation

Table 4.4.A Mitigation by Eligible Financial Collateral

The following table provides credit risk exposures, in the form of gross exposures, covered by eligible financial collateral. The gross exposure amount is before the application of eligible financial collateral, and excludes positive haircut adjustments made in the calculation of exposure at default for repurchase agreements.

| | As at 31 | Mar 23 |
|------------------------------------|-------------------|---|
| | Gross exposure | Covered by eligible financial collateral |
| Exposure type | \$m | \$m |
| Subject to advanced IRB approach | | |
| Corporate (including SME) | 188,674 | 186 |
| Retail SME | 23,936 | - |
| Residential mortgage | 386,453 | - |
| Qualifying revolving retail | 9,105 | - |
| Other retail | 1,552 | - |
| Subject to foundation IRB approach | | |
| Corporate | 47,612 | 1,895 |
| Sovereign | 230,495 | 45,115 |
| Financial institution | 175,167 | 103,324 |
| Total IRB approach | 1,062,994 | 150,520 |
| Specialised lending | 2,532 | - |
| Subject to standardised approach | | |
| Corporate | 47,925 | 34,858 |
| Residential mortgage | 16,570 | 6 |
| Other retail | 8,835 | 50 |
| Other | 7,533 | - |
| Total standardised approach | 80,863 | 34,914 |
| RBNZ regulated banking subsidiary | 139,243 | 7,429 |
| Total exposure at default | 1,285,632 | 192,863 |

| | As at 30 | Sep 22 |
|-----------------------------------|-------------------|---|
| | Gross exposure | Covered by eligible financial collateral |
| Exposure type | \$m | \$m |
| Subject to advanced IRB approach | | |
| Corporate (including SME) | 339,319 | 69,716 |
| Sovereign | 219,713 | 39,259 |
| Bank | 81,837 | 56,143 |
| Retail SME | 15,490 | = |
| Residential mortgage | 380,784 | = |
| Qualifying revolving retail | 8,989 | = |
| Other retail | 1,339 | = |
| Total advanced IRB approach | 1,047,471 | 165,118 |
| Specialised lending | 65,106 | 219 |
| Subject to standardised approach | | |
| Corporate | 55,047 | 43,666 |
| Residential mortgage | 13,978 | - |
| Other retail | 5,166 | 30 |
| Other | 7,766 | = |
| Total standardised approach | 81,957 | 43,696 |
| RBNZ regulated banking subsidiary | 126,523 | 6,272 |
| Total exposure at default | 1,321,057 | 215,305 |

Table 4.4.B Mitigation by Guarantees and Credit Derivatives

The following table provides credit risk exposures covered by guarantees and credit derivatives.

| As at 31 M | | | | |
|------------------------------------|------------------------|-----------------------|-------------------------------------|--|
| | Exposure at default | Covered by guarantees | Covered by credit derivatives | |
| Exposure type | \$m | \$m | \$m | |
| Subject to advanced IRB approach | | | | |
| Corporate (including SME) | 188,491 | 8,474 | - | |
| Retail SME | 23,936 | 179 | = | |
| Residential mortgage | 386,453 | 137 | - | |
| Qualifying revolving retail | 9,105 | - | - | |
| Other retail | 1,552 | - | - | |
| Subject to foundation IRB approach | | | | |
| Corporate | 45,772 | 13,558 | - | |
| Sovereign | 193,146 | - | - | |
| Financial institution | 73,463 | 2,495 | - | |
| Total IRB approach | 921,918 | 24,843 | - | |
| Specialised lending | 2,532 | 45 | - | |
| Subject to standardised approach | | | | |
| Corporate | 13,074 | 136 | - | |
| Residential mortgage | 16,563 | 2 | - | |
| Other retail | 8,786 | - | - | |
| Other | 7,533 | - | - | |
| Total standardised approach | 45,956 | 138 | - | |
| RBNZ regulated banking subsidiary | 133,010 | 3,960 | - | |
| Total exposure at default | 1,103,416 | 28,986 | - | |

| | | As at 30 Sep 22 | | | | | |
|-----------------------------------|---------------------|-----------------------|-------------------------------------|--|--|--|--|
| | Exposure at default | Covered by guarantees | Covered by credit derivatives | | | | |
| Exposure type | \$m | \$m | \$m | | | | |
| Subject to advanced IRB approach | | | | | | | |
| Corporate (including SME) | 270,488 | 27,706 | = | | | | |
| Sovereign | 188,222 | 1 | = | | | | |
| Bank | 26,030 | - | = | | | | |
| Retail SME | 15,489 | - | = | | | | |
| Residential mortgage | 380,784 | - | = | | | | |
| Qualifying revolving retail | 8,989 | - | - | | | | |
| Other retail | 1,339 | - | = | | | | |
| Total advanced IRB approach | 891,341 | 27,707 | - | | | | |
| Specialised lending | 64,887 | - | = | | | | |
| Subject to standardised approach | | | | | | | |
| Corporate | 11,381 | - | = | | | | |
| Residential mortgage | 13,978 | - | = | | | | |
| Other retail | 5,136 | - | = | | | | |
| Other | 7,766 | - | - | | | | |
| Total standardised approach | 38,261 | - | - | | | | |
| RBNZ regulated banking subsidiary | 123,929 | 2,809 | - | | | | |
| Total exposure at default | 1,118,418 | 30,516 | - | | | | |

4.5 Counterparty Credit Risk

Impact of the revised capital framework

The revised capital framework which came into effect on 1 January 2023 resulted in a decrease in the net derivative credit $exposure of the \ RBNZ \ regulated \ banking \ subsidiary \ of \$500 \ million \ compared \ to \ the \ previous \ prudential \ rules \ as \ at \ 31 \ December$ 2022. Measurement of net derivative credit exposures of the RBNZ regulated banking subsidiary changed from SA-CCR to current exposure method.

Table 4.5.A (i) Net Derivatives Credit Exposure

The following table provides the calculation of net derivatives credit exposure.

| | As a | t |
|--|-----------|-----------|
| | 31 Mar 23 | 30 Sep 22 |
| | \$m | \$m |
| Gross positive fair value of derivative contracts | 118,932 | 162,901 |
| Netting and collateral benefits | (108,158) | (147,275) |
| Replacement cost (RC) | 10,774 | 15,626 |
| Potential future credit exposure | 13,885 | 12,278 |
| Effective expected positive exposure | 24,659 | 27,904 |
| Impact of 1.4 multiplier and incurred credit valuation adjustment ⁽¹⁾ | 9,731 | 10,978 |
| Level 2 Group excluding BNZ net derivatives credit exposure | 34,390 | 38,882 |
| RBNZ regulated banking subsidiary net derivatives credit exposure | 1,840 | 4,626 |
| Total net derivatives credit exposure | 36,230 | 43,508 |

⁽¹⁾ Incurred credit valuation adjustment is the loss expensed for accounting purposes.

Table 4.5.A (ii) Distribution of Current Credit Exposure

The following table provides details of the net derivatives credit exposure by type of derivative.

| | As a | t |
|---|-----------|-----------|
| | 31 Mar 23 | 30 Sep 22 |
| Exposure type | \$m | \$m |
| Interest rate contracts | 6,537 | 5,435 |
| Foreign exchange and gold contracts | 19,333 | 25,948 |
| Equity contracts | 11 | 55 |
| Commodity contracts other than precious metals | 2,738 | 1,828 |
| Other market related contracts | 29 | 35 |
| Central counterparty ⁽¹⁾ | 5,742 | 5,581 |
| Level 2 Group excluding BNZ net derivatives credit exposure | 34,390 | 38,882 |
| RBNZ regulated banking subsidiary net derivatives credit exposure | 1,840 | 4,626 |
| Total net derivatives credit exposure | 36,230 | 43,508 |

⁽¹⁾ Derivative contracts with qualifying central clearing counterparties have not been broken down by type of derivative.

Table 4.5.B Credit Derivative Transactions

The following table provides the notional value of credit derivative transactions, segregated between use for the Group's own credit portfolio, as well as in its intermediation activities. This is broken down further by protection bought and sold.

| | As at 31 Mar 23 | | | | As at 30 Sep 22 | |
|--|----------------------------------|--------------------------------|-------------------|----------------------------------|--------------------------------|-------------------|
| | Protection bought notional | Protection sold notional | Total notional | Protection bought notional | Protection sold notional | Total notional |
| Credit derivative products | \$m | \$m | \$m | \$m | \$m | \$m |
| Credit default swaps used for own credit portfolio | 2,046 | - | 2,046 | 2,197 | - | 2,197 |
| Credit default swaps used for intermediation | 388 | 1,352 | 1,740 | 85 | 1,130 | 1,215 |
| Total credit derivative notional value | 2,434 | 1,352 | 3,786 | 2,282 | 1,130 | 3,412 |

Securitisation

Own Asset Securitisation

Own asset securitisation activities may be used for funding, capital and liquidity management purposes. This involves the sale of assets originated by the Group to an SPV, which then issues notes to third party investors. Where significant credit risk transfer is achieved, regulatory capital relief may be achieved. The Group has also established internal securitisation SPVs and holds the issued residential mortgage-backed securities (RMBS) as collateral for contingent liquidity purposes.

Table 5.1.A Exposures Securitised

The following table provides banking book exposures securitised by the Group and third party securitised assets where the Group is classified as a sponsor. The Group originated exposures can be broken down as follows:

- · capital relief significant credit risk transfer of the underlying exposure is achieved for regulatory purposes.
- funding only significant credit risk transfer is not achieved.
- · internal RMBS securities are issued and held internally for contingent liquidity purposes (also known as self-securitisation).

| | | As at 31 | Mar 23 | |
|------------------|--|--|--|-------------------------------|
| | Group originated capital relief | Group originated funding only | Group originated internal RMBS ⁽¹⁾ | Third party originated assets |
| nderlying asset | \$m | \$m | \$m | \$m |
| ential mortgages | 2,197 | 1,189 | 144,522 | = |

⁽¹⁾ Includes internal securitisation pools of RMBS that have been developed as a source of contingent liquidity to support the Group's liquid asset holdings. The amount of these securitised assets is \$130.807 million.

| | As at 30 | Sep 22 | |
|--|--|---|---|
| Group originated capital relief | Group originated funding only | Group originated internal RMBS ⁽¹⁾ | Third party originated assets |
| \$m | \$m | \$m | \$m |
| 2,487 | 1,359 | 146,537 | - |
| | originated capital relief \$m | Group Group originated originated capital funding relief only \$m \$m\$ | originated originated originated capital funding internal relief only RMBS ⁽¹⁾ |

⁽¹⁾ Includes internal securitisation pools of RMBS that have been developed as a source of contingent liquidity to support the Group's liquid asset holdings. The amount of these securitised assets is \$132,868 million.

There were no exposures securitised either in the trading book or synthetically by the Group as at 31 March 2023 or 30 September 2022.

Table 5.1.B Non-performing Banking Book Exposures Securitised

The following table provides non-performing exposures that have been originated and securitised by the Group in the banking book and any losses that have been recognised on these securitised exposures.

| | | As at 31 Mar 23 | | | As at 30 Sep 22 | | |
|-----------------------|----------------------|---------------------------------|-------------------|----------------------|---------------------------------|----------------------|--|
| | Outstanding exposure | Non- performing exposures | Losses recognised | Outstanding exposure | Non- performing exposures | Losses recognised | |
| Underlying asset | \$m | \$m | \$m | \$m | \$m | \$m | |
| Residential mortgages | 147,908 | 793 | - | 150,383 | 788 | - | |

Table 5.1.C Recent Securitisation Activity

The following table provides the net movement in exposures securitised by the Group, and any gain or loss recognised on the sale of assets by the Group to securitisation SPVs.

| | 6 months ended 31 Mar 23 | | | | | |
|-----------------------|--|--|---|----------------------------|--|--|
| | Group originated capital relief | Group originated funding only | Group originated internal RMBS | Gain or loss on sale | | |
| Underlying asset | \$m | \$m | \$m | \$m | | |
| Residential mortgages | (289) | (171) | (2,015) | - | | |
| | | 6 months end | led 30 Sep 22 | | | |
| | Group | Group | Group | Gain or | | |

| | | 6 months ended 30 Sep 22 | | | |
|-----------------------|--|--|---|----------------------------|--|
| | Group originated capital relief | Group originated funding only | Group originated internal RMBS | Gain or loss on sale | |
| Underlying asset | \$m | \$m | \$m | \$m | |
| Residential mortgages | 1,138 | 605 | 108 | - | |

The Group had no outstanding exposures in either the banking or trading book that were intended to be securitised as at 31 March 2023 or 30 September 2022.

Third Party Securitisation

Third party securitisation activities include arranging securitisation transactions and providing facilities and funding to securitisation SPVs. They also include investing in securities issued by third party securitisation SPVs through primary and secondary market transactions.

Impact of the revised capital framework and change in presentation

Under the revised capital framework which came into effect on 1 January 2023, securitisation exposures of the RBNZ regulated banking subsidiary are no longer within the scope of APS 120, and are now subject to the RBNZ's internal ratings-based approach. To assist with comparability between reporting periods, the 30 September 2022 comparatives in relation to third party securitisation have been restated to remove amounts for the RBNZ regulated banking subsidiary from Table 5.1.D Securitisation Exposures Retained or Purchased and Table 5.1.E Securitisation Exposures by Risk-weight, and include them (based on APS 120 rules that applied as at 30 September 2022) in Section 4 Credit Risk. Further details of the restatement are outlined in Appendix 1.

Table 5.1.D Securitisation Exposures Retained or Purchased

The following table provides the amount of securitisation exposures and facilities held in the banking book, broken down between on and off-balance sheet exposures.

| | As at 31 Mar 23 | | | Α | s at 30 Sep 22 | |
|------------------------------|-------------------------|--------------------------|--------|-------------------------|--------------------------|--------|
| | On- balance sheet | Off- balance sheet | Total | On- balance sheet | Off- balance sheet | Total |
| Securitisation exposure type | \$m | \$m | \$m | \$m | \$m | \$m |
| Liquidity facilities | 429 | 918 | 1,347 | 394 | 1,045 | 1,439 |
| Warehouse facilities | 17,162 | 6,781 | 23,943 | 18,264 | 6,814 | 25,078 |
| Securities | 7,006 | - | 7,006 | 7,753 | = | 7,753 |
| Derivatives | - | 42 | 42 | = | 43 | 43 |
| Total | 24,597 | 7,741 | 32,338 | 26,411 | 7,902 | 34,313 |

The Group had \$335 million of derivative exposures held in the trading book subject to the IMA under APS 116 as at 31 March 2023 (30 September 2022: \$306 million). The Group had no trading book exposures subject to APS 120 which were either risk-weighted or deducted from capital at 31 March 2023 or 30 September 2022.

The Group had no exposures subject to early amortisation in the banking or trading book at 31 March 2023 or 30 September 2022.

Table 5.1.E Securitisation Exposures by Risk-weight

The following table provides banking book securitisation exposures and RWA by risk-weight bands.

| | As at 31 N | As at 31 Mar 23 | | As at 30 Sep 22 | |
|-------------------|------------|-----------------|----------|-----------------|--|
| | Exposure | RWA | Exposure | RWA | |
| Risk-weight bands | \$m | \$m | \$m | \$m | |
| 15% ≤ 25% | 31,407 | 5,150 | 33,272 | 5,428 | |
| > 25% < 35% | 636 | 183 | 827 | 232 | |
| > 35% < 50% | 115 | 43 | 30 | 12 | |
| > 50% ≤ 75% | 180 | 114 | 184 | 116 | |
| Total | 32,338 | 5,490 | 34,313 | 5,788 | |

The Group deducted \$4 million of in-the-money derivatives provided to capital relief securitisation vehicles from CET1 capital as at 31 March 2023 (30 September 2022: nil).

Market Risk

Table 6.1.A Market Risk Risk-weighted Assets

The following table provides a breakdown of market risk RWA.

| | As | at |
|-------------------------|-----------|-----------|
| | 31 Mar 23 | 30 Sep 22 |
| Market risk RWA | \$m | \$m |
| Internal model approach | 8,163 | 7,534 |
| Standard method | 333 | 373 |
| Total | 8,496 | 7,907 |

The following table provides a breakdown of market risk RWA under the standard method.

| | As | at |
|----------------------|-----------|-----------|
| | 31 Mar 23 | 30 Sep 22 |
| Standard method RWA | \$m | \$m |
| Interest rate risk | 328 | 370 |
| Equity position risk | 5 | 3 |
| Total | 333 | 373 |

Table 6.1.B Internal Model Approach Value at Risk and Stressed Value at Risk

The following table provides information on the mean, minimum and maximum Value at Risk (VaR) and stressed VaR over the reporting period and at period end. VaR and stressed VaR provided are based on a 10-day holding period.

| | 6 months ended 31 Mar 23 | | | As at | |
|---------------------------|--------------------------|------------------|------------------|-----------|--|
| | Mean value | Minimum value | Maximum value | 31 Mar 23 | |
| | \$m | \$m | \$m | \$m | |
| At a 99% confidence level | | | | | |
| VaR | 41.2 | 27.3 | 69.3 | 34.1 | |
| Stressed VaR | 99.0 | 36.7 | 194.2 | 83.3 | |

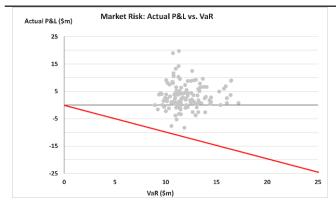
| | 6 mon | 6 months ended 30 Sep 22 | | |
|---------------------------|---------------|--------------------------|-------|-----------|
| | Mean value | | | 30 Sep 22 |
| | \$m | \$m | \$m | \$m |
| At a 99% confidence level | | | | _ |
| VaR | 50.3 | 25.8 | 89.5 | 36.3 |
| Stressed VaR | 91.9 | 51.4 | 206.8 | 101.1 |

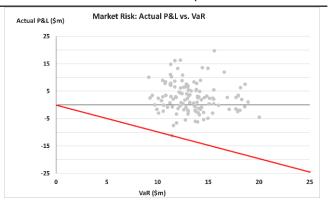
Back-testing Results

The following graphs compare the Group's daily VaR estimates against actual P&L. The red line represents a one-to-one relationship between negative actual profit and loss (P&L) and VaR, which is an indicator of the VaR model's performance.

Results for the six months ended 31 March 2023

Results for the six months ended 30 September 2022





Back-testing, carried out by comparing the Group's daily VaR estimate against actual P&L, identified no exceptions during the six months ended 31 March 2023 or the six months ended 30 September 2022. This remains within the model parameters and indicates acceptable operation of the VaR model within APRA's guidelines.

Balance Sheet and Liquidity Risk

7.1 Interest Rate Risk in the Banking Book

Table 7.1.A Impact on Economic Value from Rate Shocks

The following table provides the increase or decrease in economic value for upward and downward rate shocks broken down by currency. The Group's major currencies are modelled on an individual basis. The remaining minor currencies are aggregated and modelled using a single yield curve. The 200 basis point (bp) interest rate shock results include earnings offset.

| | As at 31 | As at 31 Mar 23 | | Sep 22 | |
|--------------------------------|--------------------------------|-----------------|------------|--------------------------------|--------------------------------|
| | 200 bp parallel increase | lel parallel | l parallel | 200 bp parallel increase | 200 bp parallel decrease |
| | \$m | \$m | \$m | \$m | |
| Change in economic value | | | | | |
| AUD | (507) | 524 | (495) | 530 | |
| CAD | - | - | = | - | |
| EUR | (8) | 9 | (8) | 9 | |
| GBP | 4 | (3) | (1) | 1 | |
| HKD | - | 1 | = | = | |
| JPY | 10 | (10) | 5 | (5) | |
| NZD | (285) | 292 | (304) | 318 | |
| USD | (29) | 31 | (34) | 36 | |
| Other | 1 | (1) | 4 | (4) | |
| Total change in economic value | (814) | 843 | (833) | 885 | |

7.2 Equity Holdings in the Banking Book

Table 7.2.A Equity Holdings in the Banking Book

The following table provides the carrying value of equity investments as reported on the Level 2 Group's balance sheet, as well as the estimated fair value of those investments.

| | As at 31 | Mar 23 | As at 30 | Sep 22 |
|-------------------|----------------|------------|----------------|------------|
| | Carrying value | Fair value | Carrying value | Fair value |
| | \$m | \$m | \$m | \$m |
| Unlisted equities | 752 | 752 | 702 | 702 |

Table 7.2.B Gains and Losses from Equity Holdings

The following table provides realised and unrealised gains or losses before tax effect from equity instruments, where:

- realised gains or losses represent the difference between the cost of equity instruments and proceeds where there has been a sale in the six months to the end of the reporting period
- cumulative unrealised gains or losses represent the difference between the cost of equity instruments and their carrying value.

| | 31 Mar 23 | 30 Sep 22 |
|--------------------------------------|-----------|-----------|
| | | \$m |
| Gains/(losses) on equity investments | | |
| Realised gains/(losses) | (5) | 2 |
| Cumulative unrealised losses | (285) | (296) |

7.3 Liquidity Disclosures

Liquidity Coverage Ratio

The Group Liquidity Risk Policy requires that the Group maintains a liquid asset portfolio, comprising high-quality liquid assets (HQLA) that can be readily converted to cash and used to support intraday payments. The Group's liquid asset portfolio is maintained by geography, currency and legal entity across NAB, BNZ, NAB Europe and branches in London, New York and Asia. The liquidity portfolio comprises a mix of:

- cash
- · Australian government and semi-government securities, and foreign sovereign securities
- · central bank reserves, and
- other securities that are eligible for repurchase with the Reserve Bank of Australia (RBA) to support the Committed Liquidity Facility (CLF) (which was reduced to zero on 1 January 2023), and the Term Funding Facility (TFF).

The Liquidity Coverage Ratio (LCR) measures the adequacy of HQLA available to meet net cash outflows over a 30-day period during a severe liquidity stress scenario. The Group manages its LCR position daily within a target range that reflects management's risk appetite across the legal entity structure, major currencies and jurisdictions in which business activities are undertaken. The APRA minimum LCR is 100%.

The LCR for the three months ended 31 March 2023 and 31 December 2022 are presented in Table 7.3.A *Liquidity Coverage***Ratio Disclosure Template*, and are based on a simple average of daily LCR outcomes excluding non-business days. There were 63 daily LCR observations or data points used in calculating the average for the current quarter and 62 observations in the previous quarter.

Average LCR for the three months ended 31 March 2023 decreased to 130% with a decrease in average liquid assets of \$10.4 billion, compared to a lower decrease in average net cash outflows of \$4.2 billion.

The decrease in average liquid assets was mainly as a result of lower alternative liquid assets due to the full quarter impact of the final CLF reduction from \$7.8 billion to zero on 1 January 2023. Additionally, HQLA decreased by \$3.8 billion due to lower central bank deposits, partially offset by increased holdings of government and semi-government securities.

The decrease in average net cash outflows was largely due to a reduction in wholesale deposit outflows and higher inflows from reverse repurchase agreements, partially offset by an increase in derivative exposure outflows.

Table 7.3.A Liquidity Coverage Ratio Disclosure Template

3 months ended

| | | 31 Mar 23 | | 31 Dec 22 | | |
|-----|--|-------------------------------|--------------------------------|---|--------------------------------|--|
| | | Unweighted value (average)(1) | Weighted value (average) | Unweighted value (average) ⁽¹⁾ | Weighted value (average) | |
| | | \$m | \$m | \$m | \$m | |
| Liq | uid assets, of which: | | 201,683 | | 212,038 | |
| 1 | High-quality liquid assets (HQLA) ⁽²⁾⁽³⁾ | | 199,500 | | 203,343 | |
| 2 | Alternative liquid assets (ALA)(3) | | - | | 7,644 | |
| 3 | Reserve Bank of New Zealand (RBNZ) securities(2)(3) | | 2,183 | | 1,051 | |
| Ca | sh outflows | | | | | |
| 4 | Retail deposits and deposits from small business customers | 276,517 | 30,775 | 279,301 | 30,288 | |
| 5 | of which: stable deposits | 114,277 | 5,714 | 119,055 | 5,953 | |
| 6 | of which: less stable deposits | 162,240 | 25,061 | 160,246 | 24,335 | |
| 7 | Unsecured wholesale funding | 179,973 | 89,816 | 188,511 | 94,072 | |
| 8 | of which: operational deposits (all counterparties) and deposits in networks for cooperative banks | 92,330 | 23,082 | 97,053 | 24,263 | |
| 9 | of which: non-operational deposits (all counterparties) | 71,429 | 50,520 | 75,000 | 53,351 | |
| 10 | of which: unsecured debt | 16,214 | 16,214 | 16,458 | 16,458 | |
| 11 | Secured wholesale funding ⁽³⁾ | | 8,164 | | 6,704 | |
| 12 | Additional requirements | 201,083 | 38,031 | 195,838 | 35,697 | |
| 13 | of which: outflows related to derivatives exposures and other collateral requirements | 8,835 | 8,834 | 6,155 | 6,150 | |
| 14 | of which: outflows related to loss of funding on debt products | - | - | - | - | |
| 15 | of which: credit and liquidity facilities | 192,248 | 29,197 | 189,683 | 29,547 | |
| 16 | Other contractual funding obligations | - | - | 858 | 858 | |
| 17 | Other contingent funding obligations | 68,103 | 4,857 | 64,668 | 4,578 | |
| 18 | Total cash outflows | | 171,643 | | 172,197 | |
| Ca | sh inflows | | | | | |
| 19 | Secured lending | 41,669 | 4,177 | 41,258 | 1,560 | |
| 20 | Inflows from fully performing exposures | 19,782 | 11,130 | 18,673 | 10,241 | |
| 21 | Other cash inflows | 1,783 | 1,781 | 1,643 | 1,639 | |
| 22 | Total cash inflows | 63,234 | 17,088 | 61,574 | 13,440 | |
| 23 | | | 201,683 | | 212,038 | |
| | Total net cash outflows | | 154,555 | | 158,757 | |
| 25 | Liquidity Coverage Ratio (%) | | 130% | | 134% | |

Unweighted inflow and outflow values are outstanding balances maturing or callable within 30 days.
 Weighted values exclude New Zealand dollar (NZD) liquid asset holdings in excess of NZD LCR of 100%, reflecting liquidity transferability considerations. The amount excluded during the three months to 31 March 2023 and 31 December 2022 was on average \$7.2 billion and \$8.2 billion respectively.

⁽³⁾ Disclosed on a weighted basis only, consistent with the disclosure template prescribed by APS 330.

Net Stable Funding Ratio

The Net Stable Funding Ratio (NSFR) measures the extent to which assets are funded with stable sources of funding in order to mitigate the risk of future funding stress. Available Stable Funding (ASF) is calculated by applying weightings to capital and liabilities to reflect the portion that is expected to be available over a one-year time horizon. The maturity of funding is taken as being the earliest date at which the funding can be withdrawn. Required Stable Funding (RSF) reflects the liquidity characteristics of the assets and the expectation that these assets and off-balance sheet exposures will require funding over the next year. The maturity of assets is taken as being the latest possible date at which the asset may mature. The APRA minimum NSFR is 100%.

The NSFR as at 31 March 2023 and 31 December 2022 are presented in Table 7.3.B Net Stable Funding Ratio Disclosure Template, and are based on spot balances.

The NSFR decreased to 117% as at 31 March 2023 with a \$11.8 billion increase to \$541.0 billion of RSF, compared to a \$7.1 billion increase to \$630.7 billion of ASF.

The increase in RSF was mainly a result of lending growth, combined with the impacts of the CLF reduction to zero and an amendment to APS 210 *Liquidity* effective from 1 January 2023 which included changing the method for calculating the RSF for residential mortgages from using risk-weights under the standardised approach to loan-to-valuation ratio (LVR) information. The increase in ASF was primarily driven by an increase in wholesale funding and higher regulatory capital, partially offset by the impact of lower weighting applied to the TFF as the facility approaches maturity.

Table 7.3.B Net Stable Funding Ratio Disclosure Template

| | | As at 31 Mar 23 | | | | |
|-----|--|-----------------|---------------|--------------------|----------|----------|
| | | Unwei | | y residual ma | | Weighted |
| | | No | < 6 | 6 months to < 1 | ≥ 1 year | value |
| | | maturity | months \$m | year | \$m | \$m |
| Ave | nilable Stable Funding (ASF) Item | \$m | * 111 | \$m | ΨΠ | \$m |
| 1 | Capital | 63,582 | | | 29,420 | 93,002 |
| 2 | of which: regulatory capital | 63,582 | _ | _ | 29,420 | 93,002 |
| 3 | | 03,362 | = | - | 29,420 | 93,002 |
| | of which: other capital instruments | 255.666 | 74.510 | - | - | - |
| 4 | Retail deposits and deposits from small business customers | , | 74,518 | - | - | 303,225 |
| 5 | of which: stable deposits | 106,545 | 14,633 | - | - | 115,119 |
| 6 | of which: less stable deposits | 149,121 | 59,885 | - | - | 188,106 |
| 7 | Wholesale funding | 122,253 | 282,684 | 53,325 | 112,118 | 232,262 |
| 8 | of which: operational deposits | 82,140 | - | - | = | 41,070 |
| 9 | of which: other wholesale funding | 40,113 | 282,684 | 53,325 | 112,118 | 191,192 |
| 10 | Liabilities with matching interdependent assets | - | - | - | - | _ |
| 11 | Other liabilities | - | 13,015 | = | 2,175 | 2,175 |
| 12 | of which: NSFR derivative liabilities ⁽¹⁾ | | | 4,124 | | |
| 13 | of which: all other liabilities and equity not included in the above categories | - | 8,891 | - | 2,175 | 2,175 |
| 14 | Total ASF | | | | | 630,664 |
| Red | quired Stable Funding (RSF) Item | | | | | |
| 15a | High-quality liquid assets (HQLA) for NSFR purposes | | | | | 4,796 |
| 15b | Alternative liquid assets (ALA) | | | | | 3,227 |
| 15c | RBNZ securities | | | | | 372 |
| 16 | Deposits held at other financial institutions for operational purposes | - | - | - | - | - |
| 17 | Performing loans and securities | 18,677 | 146,772 | 45,429 | 533,166 | 494,470 |
| 18 | of which: performing loans to financial institutions secured by Level 1 HQLA | - | 53,237 | 1,428 | - | 6,038 |
| 19 | of which: performing loans to financial institutions secured by non-Level 1 HQLA and unsecured performing loans to financial institutions | 94 | 25,124 | 5,852 | 21,421 | 28,210 |
| 20 | of which: performing loans to non-financial corporate clients, loans to retail and small business customers, and loans to sovereigns, central banks and public sector entities (PSEs): | 18,582 | 59,258 | 32,687 | 149,057 | 185,530 |
| 21 | of which: with a risk-weight of less than or equal to 35% under APS 112 | - | - | - | 8,171 | 5,311 |
| 22 | of which: performing residential property loans | - | 5,348 | 4,636 | 355,530 | 264,942 |
| 23 | of which: standard loans to individuals with an LVR of 80% or below ⁽²⁾ | - | - | - | 199,720 | 129,818 |
| 24 | of which: securities that are not in default and do not qualify as HQLA, including exchange-traded equities | 1 | 3,805 | 826 | 7,158 | 9,750 |
| 25 | Assets with matching interdependent liabilities | - | - | = | - | = |
| 26 | Other assets | 19,344 | 6,329 | 4 | 25,616 | 27,899 |
| 27 | of which: physical traded commodities, including gold | 473 | | | | 402 |
| 28 | of which: assets posted as initial margin for derivative contracts and contributions to default funds of CCPs ⁽¹⁾ | | | 3,504 | | 2,978 |
| 29 | of which: NSFR derivative assets ⁽¹⁾ | | | 4,545 | | 421 |
| 30 | of which: NSFR derivative liabilities before deduction of variation margin posted $\ensuremath{^{(1)}}$ | | | 17,128 | | 3,426 |
| 31 | of which: all other assets not included in the above categories | 18,871 | 6,329 | 4 | 439 | 20,672 |
| 32 | Off-balance sheet items ⁽¹⁾ | | | 198,025 | | 10,268 |
| 33 | Total RSF | | | | | 541,032 |
| 34 | Net Stable Funding Ratio (%) | | | | | 117% |

⁽¹⁾ Disclosed in total and not by maturity bucket, consistent with the disclosure template prescribed by APS 330.

⁽²⁾ Comprises performing, unencumbered standard residential property loans to individual(s) with a maturity of one year or more and a LVR of 80% or below, as defined under APS 112.

As at 31 Dec 2022

| | | As at 31 Dec 2022 | | | | |
|-----|--|-------------------|---------------|----------------------------|----------|----------------|
| | | Unwei | ghted value b | | turity | Weighted value |
| | | No maturity | < 6 months | 6 months to < 1 year | ≥ 1 year | valuo |
| | | \$m | \$m | \$m | \$m | \$m |
| Av | ailable Stable Funding (ASF) Item | | | | | |
| 1 | Capital | 60,993 | - | - | 26,163 | 87,156 |
| 2 | of which: regulatory capital | 60,993 | - | - | 26,163 | 87,156 |
| 3 | of which: other capital instruments | - | - | = | - | - |
| 4 | Retail deposits and deposits from small business customers | 264,585 | 71,088 | 421 | 5 | 307,751 |
| 5 | of which: stable deposits | 113,207 | 13,746 | = | = | 120,605 |
| 6 | of which: less stable deposits | 151,378 | 57,342 | 421 | 5 | 187,146 |
| 7 | Wholesale funding | 121,938 | 277,813 | 50,469 | 112,375 | 226,487 |
| 8 | of which: operational deposits | 83,559 | = | = | = | 41,779 |
| 9 | of which: other wholesale funding | 38,379 | 277,813 | 50,469 | 112,375 | 184,708 |
| 10 | Liabilities with matching interdependent assets | - | - | = | - | - |
| 11 | Other liabilities | - | 14,479 | = | 2,196 | 2,196 |
| 12 | of which: NSFR derivative liabilities ⁽¹⁾ | | | 6,058 | | |
| 13 | of which: all other liabilities and equity not included in the above categories | - | 8,421 | - | 2,196 | 2,196 |
| 14 | Total ASF | | | | | 623,590 |
| Re | quired Stable Funding (RSF) Item | | | | | |
| 15a | a High-quality liquid assets (HQLA) for NSFR purposes | | | | | 4,522 |
| 15k | Alternative liquid assets (ALA) | | | | | 4,002 |
| 150 | RBNZ securities | | | | | 422 |
| 16 | Deposits held at other financial institutions for operational purposes | - | - | - | - | - |
| 17 | Performing loans and securities | 17,380 | 149,096 | 51,947 | 526,710 | 481,836 |
| 18 | of which: performing loans to financial institutions secured by Level 1 HQLA | = | 52,643 | 1,643 | - | 6,086 |
| 19 | of which: performing loans to financial institutions secured by non-Level 1 HQLA and unsecured performing loans to financial institutions | 65 | 25,062 | 6,291 | 21,643 | 28,612 |
| 20 | of which: performing loans to non-financial corporate clients, loans to retail and small business customers, and loans to sovereigns, central banks and public sector entities (PSEs): | 15,657 | 58,281 | 38,198 | 154,189 | 185,177 |
| 21 | of which: with a risk-weight of less than or equal to 35% under APS 112 | - | - | - | 11,192 | 7,275 |
| 22 | of which: performing residential mortgages | - | 5,528 | 4,807 | 343,998 | 249,337 |
| 23 | of which: with a risk-weight equal to 35% under APS 112 | - | 5,528 | 4,807 | 286,884 | 200,790 |
| 24 | of which: securities that are not in default and do not qualify as HQLA, including exchange-traded equities | 1,658 | 7,582 | 1,008 | 6,880 | 12,624 |
| 25 | Assets with matching interdependent liabilities | _ | - | - | - | - |
| 26 | Other assets | 18,895 | 1,656 | 8 | 33,495 | 28,359 |
| 27 | of which: physical traded commodities, including gold | 201 | | | | 171 |
| 28 | of which: assets posted as initial margin for derivative contracts and contributions to default funds of CCPs ⁽¹⁾ | | | 3,337 | | 2,837 |
| 29 | of which: NSFR derivative assets ⁽¹⁾ | | | 6,058 | | - |
| 30 | of which: NSFR derivative liabilities before deduction of variation margin posted $\!\!^{(1)}$ | | | 23,613 | | 4,723 |
| 31 | of which: all other assets not included in the above categories | 18,694 | 1,656 | 8 | 487 | 20,628 |
| 32 | Off-balance sheet items ⁽¹⁾ | | | 194,952 | | 10,133 |
| 33 | Total RSF | | | | | 529,274 |
| 34 | Net Stable Funding Ratio (%) | | | | | 118% |

⁽¹⁾ Disclosed in total and not by maturity bucket, consistent with the disclosure template prescribed by APS 330.

Appendix 1 - Credit Risk Restatements for Comparability

In this report, amounts for the RBNZ regulated banking subsidiary have been separately disclosed in accordance with amendments to APS 330 effective from 1 January 2023. Comparative EaD and RWA amounts in the Pillar 3 report are under rules that applied as at 30 September 2022. To assist with comparability between reporting periods, the 30 September 2022 comparatives have been restated as shown in the tables below to:

- remove amounts for the RBNZ regulated banking subsidiary from asset classes under which they were previously disclosed and aggregate them in the RBNZ regulated banking subsidiary line (excluding credit valuation adjustment RWA). This includes removing \$2,061 million in securitisation exposures of the RBNZ regulated banking subsidiary as at 30 September 2022 from Section 5 Securitisation, and including them in Section 4 Credit Risk, in line with where the equivalent current period amounts are reported.
- report other retail under the standardised approach as a separate asset class given the increase in EaD and RWA under the revised capital framework due to an increase in credit conversion factors.
- report the exposure at default for cash items in the process of collection, premises and other fixed assets, and all other exposures of \$8,727 million as at 30 September 2022 in Section 4 Credit Risk for which only the RWA was previously reported in the Pillar 3 report, and to present the RWA as subject to the standardised approach.
- aggregate small RWA amounts into other lines.

As a result of the changes described above, 30 September 2022 EaD in Section 4 Credit Risk has increased by \$10,788 million compared that previously disclosed, and EaD in Section 5 Securitisation has decreased by \$2,061 million compared to that previously disclosed.

Exposure at default restatement

| | | | As at 30 Sep 22 | | |
|-----------------------------------|--|--|---------------------------|------------------------------------|--|
| | Previously reported in Table 4.1.A | RBNZ regulated banking subsidiary reallocation | Other retail reallocation | Inclusion of other exposures | Restated comparatives in Table 4.1.A |
| Exposure type | \$m | \$m | \$m | \$m | \$m |
| Subject to advanced IRB approach | , | | | | |
| Corporate (including SME) | 313,877 | (43,389) | = | = | 270,488 |
| Sovereign | 200,469 | (12,247) | = | = | 188,222 |
| Bank | 30,017 | (3,987) | - | _ | 26,030 |
| Retail SME | 17,012 | (1,523) | - | _ | 15,489 |
| Residential mortgage | 431,676 | (50,892) | - | _ | 380,784 |
| Qualifying revolving retail | 8,989 | - | - | = | 8,989 |
| Other retail | 2,745 | (1,406) | - | _ | 1,339 |
| Total advanced IRB approach | 1,004,785 | (113,444) | - | - | 891,341 |
| Specialised lending | 71,818 | (6,931) | - | - | 64,887 |
| Subject to standardised approach | | | | | |
| Corporate | 11,905 | (524) | - | _ | 11,381 |
| Residential mortgage | 13,986 | (8) | - | _ | 13,978 |
| Other retail | = | - | 5,136 | _ | 5,136 |
| Other | 5,136 | = | (5,136) | 7,766 | 7,766 |
| Total standardised approach | 31,027 | (532) | _ | 7,766 | 38,261 |
| RBNZ regulated banking subsidiary | - | 122,968 | - | 961 | 123,929 |
| Total exposure at default | 1,107,630 | 2,061 | - | 8,727 | 1,118,418 |

Credit risk-weighted asset restatement

| | | | As at 30 Sep 22 | | |
|--|--|--|------------------------------|--|--|
| | Previously reported in Table 3.1.A | RBNZ regulated banking subsidiary reallocation | Other retail reallocation | Other exposures and other reallocations | Restated comparatives in Table 3.1.A |
| Exposure type | \$m | \$m | \$m | \$m | \$m |
| Subject to advanced IRB approach | | | | | |
| Corporate (including SME) | 137,118 | (23,575) | = | = | 113,543 |
| Sovereign | 1,870 | (109) | = | = | 1,761 |
| Bank | 6,447 | (593) | = | = | 5,854 |
| Retail SME | 6,961 | (570) | = | = | 6,391 |
| Residential mortgage | 110,551 | (14,009) | = | = | 96,542 |
| Qualifying revolving retail | 2,248 | = | = | = | 2,248 |
| Other retail | 2,004 | (634) | = | = | 1,370 |
| Total advanced IRB approach | 267,199 | (39,490) | - | - | 227,709 |
| Specialised lending | 62,003 | (6,433) | - | - | 55,570 |
| Subject to standardised approach | | | | | |
| Corporate | 5,144 | (92) | = | 84 | 5,136 |
| Residential mortgage | 5,308 | (3) | = | = | 5,305 |
| Other retail | = | = | 4,402 | = | 4,402 |
| Other | 4,402 | = | (4,402) | 5,647 | 5,647 |
| Total standardised approach | 14,854 | (95) | - | 5,731 | 20,490 |
| RBNZ regulated banking subsidiary | _ | 46,717 | - | 965 | 47,682 |
| Other | | | | | |
| Securitisation exposures | 6,472 | (684) | - | - | 5,788 |
| Credit valuation adjustment | 6,720 | - | - | - | 6,720 |
| Central counterparty default fund contribution guarantee | 99 | (15) | - | (84) | - |
| Other | 9,914 | = | = | (6,612) | 3,302 |
| Total other | 23,205 | (699) | - | (6,696) | 15,810 |
| Total credit risk-weighted assets | 367,261 | - | - | - | 367,261 |

Appendix 2 - Reference to APS 330 Tables

| Table number | Table title | APS 330 reference |
|-------------------|--|---|
| Table 3.1.A | Risk-weighted Assets | APS 330 Table 6b-f and 6h |
| Table 3.1.B | Capital Floor | APS 330 Table 6i |
| Table 3.1.C | Capital and Leverage Ratios | APS 330 Table 6g |
| Table 3.2.A | Regulatory Capital Structure | n/a |
| Table 3.3.A | Regulatory Capital Disclosure Template | APS 330 Table 1 |
| Table 3.3.B | Reconciliation between the Group and Level 2 Group Balance Sheet | APS 330 paragraph 12a, 12c and 12d |
| Table 3.3.C | Reconciliation between the Level 2 Group Balance Sheet and Regulatory Capital Disclosure Template | APS 330 paragraph 12d |
| Table 3.3.D | Entities Excluded from the Level 2 Group Balance Sheet | APS 330 paragraph 12b |
| Table 3.3.E | Countercyclical Capital Buffer | APS 330 Attachment A, paragraph 2 |
| Table 3.4.A | Leverage Ratio Disclosure Template | APS 330 Table 18 |
| Table 3.4.B | Summary Comparison of Accounting Assets vs Leverage Ratio Exposure Measure | APS 330 Table 19 |
| Table 4.1.A | Credit Risk Summary | APS 330 Table 7b |
| Table 4.1.B | Total and Average Credit Risk Exposures | APS 330 Table 7b and 7i |
| Table 4.1.C | Credit Risk Exposures by Geography | APS 330 Table 7c |
| Table 4.1.D | Credit Risk Exposures by Industry | APS 330 Table 7d |
| Table 4.1.E | Credit Risk Exposures by Maturity | APS 330 Table 7e |
| Table 4.1.F | Provisions by Asset Class | APS 330 Table 9e |
| Table 4.1.G | Provisions by Industry | APS 330 Table 7f |
| Table 4.1.H | Provisions by Geography | APS 330 Table 7g |
| Table 4.1.I | Movement in Provisions | APS 330 Table 7h and 7j |
| Table 4.1.J (i) | Loss Experience | APS 330 Table 9f |
| Table 4.1.J (ii) | Accuracy of Risk Estimates for Probability of Default and Exposure at Default | APS 330 Table 9f |
| Table 4.1.J (iii) | Accuracy of Risk Estimates for Loss Given Default | APS 330 Table 9f |
| Table 4.2.A | Standardised Exposures by Risk-weight | APS 330 Table 8b |
| Table 4.2.B | Standardised Exposures by Risk Grade | APS 330 Table 8b |
| Table 4.2.C | Supervisory Slotting Exposures by Risk-weight | APS 330 Table 8b |
| Table 4.3.A | Non-retail Exposures by Risk Grade | APS 330 Table 9d |
| Table 4.3.B | Retail Exposures by Risk Grade | APS 330 Table 9d |
| Table 4.4.A | Mitigation by Eligible Financial Collateral | APS 330 Table 10b |
| Table 4.4.B | Mitigation by Guarantees and Credit Derivatives | APS 330 Table 10c |
| Table 4.5.A (i) | Net Derivatives Credit Exposure | APS 330 Table 11b |
| Table 4.5.A (ii) | Distribution of Current Credit Exposure | APS 330 Table 11b |
| Table 4.5.B | Credit Derivative Transactions | APS 330 Table 11c |
| Table 5.1.A | Exposures Securitised | APS 330 Table 12g and 12o |
| Table 5.1.B | Non-performing Banking Book Exposures Securitised | APS 330 Table 12h |
| Table 5.1.C | Recent Securitisation Activity | APS 330 Table 12i, 12j, 12p and 12q |
| Table 5.1.D | Securitisation Exposures Retained or Purchased | APS 330 Table 12k, 12m, 12r, 12s, 12t and 12v |
| Table 5.1.E | Securitisation Exposures by Risk-weight | APS 330 Table 12I |
| Table 6.1.A | Market Risk Risk-weighted Assets | APS 330 Table 13b |
| Table 6.1.B | Internal Model Approach Value at Risk and Stressed Value at Risk | APS 330 Table 14f |
| Table 7.1.A | Impact on Economic Value from Rate Shocks | APS 330 Table 17b |
| Table 7.2.A | Equity Holdings in the Banking Book | APS 330 Table 16b-c |
| Table 7.2.B | Gains and Losses from Equity Holdings | APS 330 Table 16d-f |
| Table 7.3.A | Liquidity Coverage Ratio Disclosure Template | APS 330 Table 20 |
| Table 7.3.B | Net Stable Funding Ratio Disclosure Template | APS 330 Table 21 |

Glossary

ΔDI

Authorised Deposit-taking Institution.

Advanced Internal Ratings-based Approach (IRB)

The approach used by the Group, under approval from APRA, to calculate the capital requirement for credit risk, which utilises the outputs of internally developed models for probability of default, loss given default and exposure at default.

Alternative liquid assets (ALA)

Assets that qualify for inclusion in the numerator of the Liquidity Coverage Ratio in jurisdictions where there is insufficient supply of high-quality liquid assets in the domestic currency to meet the aggregate demand of banks with significant exposure in the domestic currency in the Liquidity Coverage Ratio framework. The Committed Liquidity Facility and Term Funding Facility provided by the Reserve Bank of Australia to ADIs are treated as ALAs in the Liquidity Coverage Ratio.

ANZSIC

Australian and New Zealand Standard Industrial Classification.

ΔΡΒΔ

Australian Prudential Regulation Authority.

APS

Prudential Standards issued by APRA applicable to ADIs.

Available Stable Funding (ASF)

The portion of an ADI's capital and liabilities expected to be reliably provided over a one-year time horizon.

Banking book

Exposures not contained in the trading book.

BCBS

Basel Committee on Banking Supervision.

BNZ

Bank of New Zealand, a banking subsidiary regulated by the Reserve Bank of New Zealand.

Central counterparty (CCP)

A clearing house which interposes itself, directly or indirectly, between counterparties to contracts traded in one or more financial markets, thereby insuring the future performance of open contracts.

CET1 capital

Common Equity Tier 1 capital.

Citi consumer business

Citigroup's Australian consumer business, acquired by the Group in June 2022.

Citigroup

Citigroup Pty Limited and Citigroup Overseas Investment Corporation.

Collective provision for credit impairment

The provision assessed on a collective basis in accordance with Australian Accounting Standard AASB 9 'Financial Instruments'.

Committed Liquidity Facility (CLF)

A facility provided by the Reserve Bank of Australia to certain ADIs to assist them in meeting the Basel III liquidity requirements. The CLF was reduced to zero on 1 January 2023.

Common Equity Tier 1 capital ratio

Common Equity Tier 1 capital divided by risk-weighted assets.

Corporate

Under the revised capital framework, corporate consists of corporations, partnerships, proprietorships, public sector entities and any other credit exposure not elsewhere classified. Previously corporate consisted of corporations, partnerships or proprietorships not elsewhere classified and included non-banking entities held by banks.

Credit valuation adjustment (CVA)

A capital charge to reflect potential markto-market losses due to counterparty migration risk for bilateral over-the-counter derivative contracts.

D-SIE

Domestic Systemically Important Bank.

Defaul

Default occurs when a loan obligation is contractually 90 days or more past due, or when it is considered unlikely that the credit obligation to the Group will be paid in full without remedial action, such as realisation of security.

Default fund

Clearing members' funded or unfunded contributions towards, or underwriting of, a central counterparty's mutualised loss sharing arrangements.

Eligible financial collateral (EFC)

Under the standardised approach, eligible financial collateral is the amount of cash collateral, netting and eligible bonds and equities. Under the Internal Ratings-based Approach, EFC is limited to the collateral items detailed in APS 112 'Capital Adequacy: Standardised Approach to Credit Risk'. Recognition of EFC is subject to the minimum conditions detailed in APS 112.

Expected loss (EL)

A calculation of the estimated loss that may be experienced over the next 12 months. Expected loss calculations are based on the probability of default, loss given default and exposure at default values of the portfolio at the time of the estimate which includes stressed loss given default for economic conditions. As such, expected loss is not an estimate of long-run average expected loss.

Exposure at default (EaD)

An estimate of the credit exposure amount outstanding if a customer defaults. EaD is presented net of eligible financial collateral, except where indicated.

Extended Licensed Entity

The ADI and any APRA approved subsidiaries assessed as effectively part of a single 'stand-alone' entity, as defined in APS 222 'Associations with Related Entities'.

Foundation Internal Ratings-based Approach (Foundation IRB)

An approach to calculate the capital requirement for credit risk, which utilises the outputs of internally developed models for probability of default, and supervisory estimates for loss given default and exposure at default.

Group

NAB and its controlled entities.

High-quality liquid assets (HQLA)

Consists primarily of cash, deposits with central banks, Australian government and semi-government securities and securities issued by foreign sovereigns as defined in APS 210 'Liquidity'.

Internal Model Approach (IMA) - Non-traded Market Risk

The approach used by the Group, under approval from APRA, to calculate the capital requirement for non-traded market risk. The IMA is used to calculate interest rate risk in the banking book for transactions in the banking book.

Internal Model Approach (IMA) - Traded Market Risk

The approach used by the Group, under approval from APRA, to calculate the capital requirement for traded market risk. The IMA is used to calculate general market risk for transactions in the trading book, other than those covered by the standard method.

Liquidity Coverage Ratio (LCR)

A metric that measures the adequacy of highquality liquid assets available to meet net cash outflows over a 30-day period during a severe liquidity stress scenario.

Loss given default (LGD)

An estimate of the expected severity of loss for a credit exposure following a default event. Regulatory LGDs reflect a stressed economic condition at the time of default.

LVR

Loan-to-valuation ratio.

NAB

National Australia Bank Limited ABN 12 004 044 937.

NAB Europe

National Australia Bank Europe S.A.

Net Stable Funding Ratio (NSFR)

A ratio of the amount of available stable funding to the amount of required stable funding.

Net write-offs

Write-offs, net of recoveries.

Non-performing exposures

Exposures which are in default aligned to the definition in APS 220 'Credit Risk Management'.

Probability of default (PD)

An estimate of the likelihood of a customer defaulting or not repaying their borrowings and other obligations in the next 12 months.

Qualifying revolving retail

Revolving exposures to individuals less than \$100,000, unsecured and unconditionally cancellable by the Group.

RBA

Reserve Bank of Australia.

RBNZ

Reserve Bank of New Zealand.

Required Stable Funding (RSF)

The amount of stable funding an ADI is required to hold measured as a function of the liquidity characteristics and residual maturities of the various assets held by an ADI, including off-balance sheet exposures.

Revised capital framework

Revisions to APRA's capital adequacy and credit risk capital requirements for ADIs, which came into effect on 1 January 2023. The revised requirements are contained in APS 110 'Capital Adequacy', APS 112 'Capital Adequacy: Standardised Approach to Credit Risk' and APS 113 'Capital Adequacy: Internal Ratings-based Approach to Credit Risk'.

Risk-weighted assets (RWA)

A quantitative measure of risk required by the APRA risk-based capital adequacy framework, covering credit risk for on and off-balance sheet exposures, market risk, operational risk and interest rate risk in the banking book.

RMBS

Residential mortgage-backed securities.

SA-CCR

Standardised approach for measuring counterparty credit risk exposures.

Securitisation exposures

Securitisation exposures include the following exposure types:

- liquidity facilities: facilities provided to securitisation vehicles for the primary purpose of funding any timing mismatches between receipts of funds on underlying exposures and payments on securities issued by the securitisation vehicle or to cover the inability of the securitisation vehicle to roll-over securities due to market disruption.
- warehouse facilities: lending facilities provided to securitisation vehicles for the financing of exposures in a pool. These may be on a temporary basis pending the issue of securities or on an on-going basis.
- securities: holding of debt securities issued by securitisation vehicles.
- derivatives: derivatives provided to securitisation vehicles, other than for credit risk mitigation purposes.

SMF

Small and medium-sized enterprises.

Specific provision for credit impairment

The provision assessed on an individual basis in accordance with Australian Accounting Standard AASB 9 'Financial Instruments'.

SPV

Special purpose vehicle.

Standard method

An alternative approach used to calculate the capital requirement for traded market risk, which applies supervisory risk-weights to positions arising from trading activities.

Standardised approach

An alternative approach used to calculate the capital requirement for credit risk, which utilises regulatory prescribed riskweights based on external ratings and/or the application of specific regulator defined metrics to determine risk-weighted assets.

Standardised Measurement Approach (SMA)

An approach used to calculate the capital requirement for operational risk based on a business indicator, a financial statement proxy of operational risk exposure. This approach was applied by the Group from 1 January 2022.

Term Funding Facility (TFF)

A facility provided by the Reserve Bank of Australia to certain ADIs to support lending to Australian businesses. The facility closed to new drawdowns of funding on 30 June 2021.

Tier 1 capital ratio

Tier 1 capital divided by risk-weighted assets.

Total capital ratio

Total capital divided by risk-weighted assets.

Trading book

Positions in financial instruments, including derivatives and other off-balance sheet instruments, that are held either with a trading intent or to hedge other elements of the trading book.

Value at Risk (VaR)

A mathematical technique that uses statistical analysis of historical data to estimate the likelihood that a given portfolio's losses will exceed a certain amount.

Write-offs

A reduction in the carrying amount of loans and advances at amortised cost and fair value where there is no reasonable expectation of recovery of a portion or the entire exposure.

