Aviva Life & Pensions UK Limited

Solvency and Financial Condition Report

Year ended 31 December 2017



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Aviva Life & Pensions UK Limited

Solvency and Financial Condition Report

2017

Summary

The purpose of the Solvency and Financial Condition Report ("SFCR") is to provide information required by the Solvency II regulatory framework, in particular the capital position at 31 December 2017 of Aviva Life & Pensions UK Limited ("the Company"). This report sets out different aspects of the Company's business and performance, system of governance, risk profile, valuation methods used for solvency purposes and its capital management practices.

Business and Performance

The Company is a limited company incorporated under the laws of England and Wales, which transacts life assurance and long-term savings business. The Company has both non-profit and with-profits funds and writes primarily pensions, annuities, bonds, protection and investment products. The Company also purchases equity release business written by its wholly owned subsidiary Aviva Equity Release UK Limited. The Company predominantly carries out its business in the UK and the Republic of Ireland.

The Company reports to its chief operating decision makers using a non-GAAP financial performance measure referred to as 'adjusted operating profit'. The Company regards adjusted operating profit as an appropriate measure of underwriting performance. Adjusted operating profit for the Company in 2017 was £818 million (2016: £557 million). The adjusted operating profit is shown after the impacts of quota share reinsurance arrangements with a fellow Group company, Aviva International Insurance Limited ("All"). Under the quota share reinsurance arrangements, 50% of a subset of the Company's non-profit business is reinsured to All.

On the 1 January 2017 the long-term insurance business of a wholly owned subsidiary, Aviva Annuity UK Limited ("UKA"), transferred to the Company through an insurance business transfer scheme under Part VII of the Financial Services and Markets Act 2000 (the "Part VII Transfer"). The excess of assets over liabilities (£1,747m on an IFRS basis) was taken through the statement of changes in equity whereas the loss arising on the write down of the Company's investment in UKA was taken through the income statement (£1,718m on an IFRS basis).

On 1 October 2017 the long-term insurance business of two fellow subsidiaries, Friends Life Limited ("FLL") and Friends Life and Pensions ("FLP"), transferred to the Company through a Part VII Transfer. The excess of assets over liabilities transferred into the Company were taken through the statement of changes in equity. The impacts of the transfers on the Company were £980m (FLL) and £958m (FLP) on an IFRS basis.

The adjusted operating profit has increased compared to 2016, predominantly driven by the Part VII transfer of business from UKA (twelve months' contribution) and FLL and FLP (three months' contribution).

Section A of this report sets out further details about the Company's business structure, key operations, market position and financial performance over the reporting period, split by underwriting performance and investment performance.

System of Governance

The Board's role is to be collectively responsible for promoting the long-term success of the Company. It sets the Company's risk appetite and satisfies itself that financial controls and risk management systems are robust, whilst ensuring the Company is adequately resourced. A strong system of governance throughout the Company aids effective decision-making and supports the achievement of the Company's objectives for the benefit of customers and shareholders whilst in compliance with regulations.

Roles and responsibilities for risk management in Aviva are based around the 'three lines of defence model' where ownership for risk is taken at all levels in the Group.

During the year, Aviva adopted a UK-wide approach to managing its UK insurance operations, covering Life insurance, General insurance and Health businesses. Notwithstanding this change, the Company's Board and Board Committee responsibilities and arrangements, and the fundamental approach to the system of governance, have not materially changed.

Section B of this report describes the system of governance in place throughout the Company by which the operations of the Company are overseen, directed, managed and controlled, and explains how it complies with the requirements of Solvency II. It describes the following key features:

• The roles and responsibilities of the Board, its sub-committees and key management committees, and delegation of authority to senior management;

- The remuneration policy, skills requirements and procedures for assessing fitness and propriety for senior management and key function holders;
- The Company's Risk Management Framework ("RMF") and its codification through risk policies and business standards, which set out the risk strategy, appetite and framework and minimum requirements for the Company's operations. This includes the Company's approach to its Own Risk and Solvency Assessment ("ORSA") and governance over its internal capital model for Solvency II;
- How the Company's business standards set out mandated control objectives and controls that mitigate operational risks faced by the Company, collectively providing the Company's framework of internal control;
- The role and responsibilities of the four key control functions Risk Management, Actuarial, Compliance and Internal Audit and how they are implemented within the Company; and
- The Company's outsourcing policy and information on important outsourced operational functions.

Risk Profile

As a long-term insurer, the Company accepts the risks inherent to its core business line of life insurance. Risks are diversified through the Company's scale, geographic spread, the variety of the products and services offered and the channels through which they are sold.

The Company receives premiums which are invested in order to maximise risk-adjusted returns, so that the Company can fulfil its promises to customers while providing a return to its shareholders. In doing so, the Company has a preference for retaining those risks which it believes it is capable of managing to generate a higher return.

The types of risk to which the Company is exposed have not changed significantly over the year and remain credit, market, underwriting, liquidity and operational risks.

Section C of this report further describes the risks to which the Company is exposed and how it identifies, measures, manages and monitors these risks, including any changes in the year to the Company's risk exposures and specific risk mitigation actions taken.

Valuation for Solvency Purposes

Assets, technical provisions and other liabilities are valued in the Company's Solvency II Balance Sheet according to the Solvency II regulations. Assets and liabilities are valued at an amount for which they could be exchanged, transferred or settled by knowledgeable and willing third parties in an arms length transaction.

The value of technical provisions under Solvency II is equal to the sum of a best estimate liability and a risk margin. Under Solvency II, the Company applies the transitional deduction to technical provisions. The transitional deduction has been approved by the Prudential Regulation Authority ("PRA").

The Company also applies a number of matching adjustments ("MA") when calculating the liabilities for certain business. The MA is an increase to the discount rate, in excess of risk-free, used to value insurance liabilities where the cash flows are relatively fixed (e.g. no future premiums or surrender risk) and are well matched to assets that are intended to be held to maturity and have cash flows that are also relatively fixed. The intention is that, if held to maturity, the business can earn the additional yield on these assets that relate to illiquidity risk. The PRA has approved the application for MAs to be applied in five matching adjustment portfolios ("MAPs") in the Company.

At 31 December 2017, the Company's excess of assets over liabilities was £15,144 million (2016: £8,531 million) on a Solvency II basis, with the increase mainly due to the transfer of net assets into the Company from UKA, FLL and FLP during the year. The excess of assets over liabilities is £8,435 million higher (2016: £4,153 million higher) on a Solvency II basis than the value under International Financial Reporting Standards ("IFRS"). The difference is primarily driven by the different approaches used to value technical provisions.

Section D of this report provides further description of the bases, methods and main assumptions used in the valuation of assets, technical provisions and other liabilities for each material asset/liability class. In addition, it also provides an explanation of the material differences between the IFRS and Solvency II bases of valuation.

Capital Management

The Company manages Own Funds in conjunction with solvency capital requirements. In the calculation of the Solvency Capital Requirement ("SCR") the Company has chosen to implement a Partial Internal Model, defined as using a combination of Internal Model and Standard Formula approaches to calculate solvency capital requirements for different components of its business.

In managing capital, the Company seeks on a consistent basis to:

- Match the profile of its assets and liabilities, taking into account the risks inherent in the business;
- Maintain sufficient, but not excessive, financial strength in accordance with risk appetite, to support new business
 growth and satisfy the requirements of the Company's regulators and other stakeholders giving the Company's
 customers assurance of its financial strength;
- Retain financial flexibility by maintaining strong liquidity;
- Allocate capital rigorously to support value adding growth and repatriate excess capital where appropriate.

At 31 December 2017, the total eligible Own Funds to meet the SCR were £14,030 million (2016: £7,099 million), consisting of excess of assets over liabilities of £15,144 million (2016: £8,531 million), adjusted to add back allowable subordinated liabilities of £1,116 (2016: £nil), offset by a restriction in respect of the Company's ring-fenced funds ("RFFs") of £2,230 million (2016: £1,432 million).

The Company's eligible Own Funds are primarily represented by unrestricted Tier 1 capital (88% (2016: 100%)) with the remaining Own Funds represented by restricted tier 1 capital and tier 2 capital. The change in the year in the profile of the Company's Own Funds has been caused by the Part VII transfers of assets from UKA, FLL and FLP. This included the transfer of preference shares and subordinated liabilities into tier 1 restricted and tier 2 Own Funds.

The Company's SCR, at 31 December 2017 was £9,219 million (2016: £4,682 million). The overall surplus position was £4,811 million (2016: £2,417 million) which translates to a regulatory cover ratio of 152% (2016: 152%). The minimum capital requirement ("MCR") increased during the year to £2,305 million (2016: £1,170m). The increases in SCR and MCR are primarily driven by the Part VII transfers, quantified in Section E of this report.

Section E of this report further describes the objectives, policies and procedures employed by the Company for managing its Own Funds. The section also covers information on structure and quality of Own Funds and calculation of SCR, including information about the Company's Internal Model.

The solvency coverage at 31 December 2017 is 152% which is unchanged from the previous year. The key movements, which include the impact of the Part VII transfers, that net to this outcome are:

- Operating profit, which includes a number of assumption changes, has increased. Within operating profit there are the one-off impacts due to changes in longevity assumptions and expense assumptions. Further information on the basis for these assumptions is included in D2.2;
- A reduction in the Matching Adjustment due to reduced asset yields and changes in credit ratings. Further information on the benefit from the Matching Adjustment is included in section D.2.2;
- An increase in the benefit of the transitional measure on technical provisions in respect of the business transferred from FLL Land FLP. Further information is in section D.2.2;
- An increase in SCR caused in part by increased equity holdings in the with-profit funds leading to higher equity volatility risk. Further information is in section E.2.1; and
- Payment of dividends to the Group to repatriate excess capital.

Aviva Life & Pensions UK Limited Solvency and Financial Condition Report 2017

A. Business and Performance

In this chapter

- A.1 Business
- A.2 Underwriting performance
- A.3 Investment performance

The 'Business and Performance' section of the report sets out the Company's business structure, key operations and financial performance over the reporting period.

A.1 Business

A.1.1 Business overview

Aviva Life and Pensions UK Limited ("the Company"), a limited company incorporated and domiciled in the UK, transacts life assurance and long-term savings business. The Company has both non-profit and with-profit funds and writes primarily pensions, annuities, bonds, protection and investment products. The Company also purchases equity release business written by its wholly owned subsidiary Aviva Equity Release UK Limited. The Company predominantly carries out its business in the UK and the Republic of Ireland.

A.1.2 Organisational structure

The following chart shows, in simplified form, the position of the Company within the legal organisational structure of the Aviva plc Group ("the Group") as at 31 December 2017. Aviva plc is the holding company of the Group and is the ultimate parent undertaking of the Company. The immediate parent undertaking of the Company is Aviva Life Holdings UK Limited ("UKLH"), a company incorporated in England.



A complete list of participations in subsidiary undertakings and other related undertakings of the Company is referred to in section F.3.

A.1.3 Significant events in the reporting period

Part VII Transfers

On 9 November 2016 the Board approved the transfer of the long-term insurance business of a wholly owned subsidiary, Aviva Annuity UK Limited ("UKA"), to the Company through an insurance business transfer scheme under Part VII of the Financial Services and Markets Act 2000 (the "Part VII Transfer"). Additionally, on 19 July 2017 the Board approved the transfer of the whole of the long-term insurance business of two fellow subsidiaries, Friends Life Limited ("FLL") and Friends Life and Pensions ("FLP"), to the Company through Part VII Transfers.

The UKA Part VII Transfer became effective on 1 January 2017 with £69,577m of assets and £67,830m of liabilities on an IFRS basis transferring into the Company, but with an immaterial impact on the Company's solvency surplus. The excess of assets over liabilities (£1,747m on an IFRS basis) was taken through the statement of changes in equity whereas the loss arising on the write down of the Company's investment in UKA to its net asset value of £5m was taken through the income statement (£1,718m on an IFRS basis). The £5m net assets remained in UKA after the Part VII transfer to cover the minimum regulatory capital requirement (required until such time as UKA is de-authorised).

The FLL and FLP Part VII Transfers became effective on 1 October 2017 with £62,025m of assets and £61,045m of liabilities transferring from FLL and £39,290m of assets and £38,332m of liabilities transferring from FLP, all on an IFRS basis, into the Company. The excess of assets over liabilities transferred into the Company were taken through the statement of changes in equity. The impacts of the transfers on the Company were £980m (FLL) and £958m (FLP) on an IFRS basis. The solvency surplus of the Company increased by £952m, as a result of these Part VII transfers.

In line with the approach approved by the Prudential Regulation Authority (PRA), there was a recalculation of the transitional measure on technical provisions (TMTP) in respect of the transfers of the long-term businesses of FLL and FLP into the Company. These transactions resulted in a £729m increase in the Company's TMTP.

As a consequence of the UKA Part VII transfer, the 22.5% quota share reinsurance arrangement between UKA and the Company ended on 1 January 2017. The business transferred into the Company from UKA continued to be subject to a

50% quota share reinsurance arrangement with Aviva International Insurance Limited (AII), a fellow subsidiary of Aviva Group Holdings Limited.

Note on prior period comparative figures

Solo SFCRs were submitted for 2016 for the Company, UKA, FLL and FLP. The 2017 figures shown in this report reflect the inclusion of the long-term businesses of UKA, FLL and FLP. Prior year comparatives have been presented on a consistent basis with the Company's financial statements and have not been adjusted to reflect this transfer of business.

A.1.4 Other information

Qualifying holdings

Qualifying holdings in the Company are held by UKLH, a limited company incorporated and domiciled in the UK, which holds 100% of the Company's share capital.

Supervisor

The Group's and Company's Supervisor is the Prudential Regulation Authority ("PRA"), which is part of the Bank of England. Contact details for the PRA are as follows:

Address 20 Moorgate, London, EC2R 6DA

Telephone number +44 (0) 20 7601 4444

External auditor

The Company's external auditor is PricewaterhouseCoopers LLP. Contact details are as follows:

Address 7 More London Riverside, London, SE1 2RT

Telephone number +44 (0) 20 7583 5000

Rounding convention

The SFCR is presented in pound sterling rounded to the nearest million which is consistent with the presentation in the IFRS financial statements. The QRTs are presented in pound sterling rounded to the nearest thousand. Rounding differences of \pm - one unit can occur.

A.2 Underwriting Performance

Adjusted operating profit ("operating profit") - measurement of performance from underwriting and other activities

The Group reports to its chief operating decision makers using a financial performance measure referred to as 'adjusted operating profit'. The Group and the Company regard adjusted operating profit as an appropriate measure of underwriting performance.

Adjusted operating profit is defined across the Group as IFRS profit before income taxes, excluding the following items: investment return variances and economic assumption changes on long-term business (included within non-operating costs in the table in section A.2.1), impairment of goodwill, associates, and joint ventures and other amounts expensed, amortisation and impairment of acquired value of in-force business, amortisation and impairment of other intangibles, profit or loss on the disposal and remeasurement of subsidiaries, joint ventures and associates, integration and restructuring costs and other items. While these excluded items are significant components in understanding and assessing the Company's financial performance, presentation of adjusted operating profit enhances the understanding and comparability of the underlying performance of the business by highlighting net income attributable to ongoing operations. Adjusted operating profit is not a substitute for profit before income taxes or net income as determined in accordance with IFRS. The Company's definition of adjusted operating profit may differ from similar measures used by other companies, and may change over time.

Section A.2.1 shows a reconciliation of the adjusted operating profit to the income statement included in the Company's financial statements.

A.2.1 Performance from underwriting and other activities

The table below presents the adjusted operating profit for the Company for the year ended 31 December 2017, as well as the reconciliation of adjusted operating profit to IFRS profit before tax as included in the Company's financial statements.

	2017	Restated 2016
	£m	£m
Gross written premiums	5,521	2,295
Premiums ceded to reinsurers	(2,731)	(4,042)
Net earned premiums	2,790	(1,747)
Fee and commission income	508	359
	3,298	(1,388)
Net investment income/(expense)	10,370	10,712
Income	13,668	9,324
Claims and benefits paid, net of recoveries from reinsurers	(6,185)	(4,858)
Change in insurance liabilities, net of reinsurance	3,155	6,052
Change in investment contract provisions	(6,408)	(5,681)
Change in unallocated divisible surplus	137	(238)
Fee and commission expense	(282)	(864)
Other expenses	(579)	(282)
Finance costs	(3,805)	(2,953)
IFRS Profit before tax	(299)	500
Tax attributable to policyholders' returns	(262)	(335)
IFRS Profit before tax attributable to shareholders	(561)	165
Adjusted for non-operating items:		
Revaluation of investment in UKA following Part VII transfer	1,718	-
Revaluation of investment in subsidiaries (excl. UKA)	(29)	722
Investment return variances and economic assumption changes	(373)	(45)
Dividends received from subsidiaries	-	(350)
Other non-operating costs	63	65
Operating profit before tax attributable to shareholders	818	557

The Company's adjusted operating profit has increased compared to 2016. This is primarily driven by the Part VII transfer of business from UKA (full 12 months' contribution), FLL and FLP (three months' contribution).

Part VII transfers

The 2017 figures shown in this report reflect the inclusion of the long-term businesses of UKA, FLL and FLP, which were transferred into the Company during 2017 under the Part VII transfers described in A.1.3. UKA long-term business transferred to the Company on 1 January and so the 2017 figures represent a full year of trading. FLL and FLP long-term business transferred to the Company on 1 October 2017 and therefore the figures reflect three months of trading. Prior year comparatives are consistent with the Company's financial statements and as such have not been adjusted to reflect the Part VII transfers.

The IFRS loss before tax attributable to shareholders for the year is £561 million (2016: £165 million profit). This includes a loss of £1,718 million within net investment income from the reduction in value of the Company's investment in UKA following the Part VII transaction. The loss for the year is due to the mismatch in the accounting treatment for the decrease in the value of the subsidiary and the business transfer for the UKA Part VII. A negative movement of £1,718 million is taken through the income statement for the former but the positive offset of £1,747 million for the latter is taken directly to the Statement of changes in equity. The £1,718 million revaluation of investment in UKA is therefore added back to the IFRS profit in the table above as an adjustment for non-operating items.

Investment return variances and economic assumption changes on long-term business

Operating profit for the Company is based on expected investment returns on financial investments backing shareholder and policyholder funds over the period, with consistent allowance for the corresponding expected movements in liabilities. The expected rate of return is determined having regard to long-term economic and market forecasts of investment return and asset classification.

Operating profit includes the effect of variances in experience for non-economic items, such as mortality, persistency and expenses, and the effect of changes in non-economic assumptions. Changes due to economic items, such as market value movement and interest rate changes which give rise to variances between actual and expected investment returns, and the impact of changes in economic assumptions on liabilities, are disclosed as non-operating items.

Positive variances during 2017 are mainly due to economic modelling developments implemented during the year. These include a one-off development to align the approach to calculating the valuation interest rate across the heritage Aviva and Friends Life portfolios and also a development to the approach to calculating the valuation interest rate for certain deferred annuity business.

Prior period adjustment: reclassification of reinsured expenses

During 2017 the Company reviewed how external reinsurance premium refunds from Aviva International Insurance Limited (All) under the 50% quota share reinsurance arrangement had been accounted for. In 2016 these amounts were reported in reinsured expenses in error. It was concluded that the calculation of premiums payable to All took account of these amounts and therefore it was appropriate to net the balance against "Premiums ceded to reinsurers". This has been presented as a prior year adjustment with no net impact on the income statement or net assets. This impact has been reflected in a restatement of the 2016 S.05.01.02 QRT in section A.2.2.

A.2.2 Solvency II lines of business and products

Detailed information on premiums, claims, expenses and changes in technical provisions by Solvency II line of business is presented in Quantitative Reporting Templates ("QRTs") S.05.01.02 and S.05.02.01 (included in the Appendices in Section F.1). A summary of the information presented in these QRTs is shown in the following tables.

A clarification change has been made to the reporting instructions by EIOPA in 2017 in connection with QRT S.05.01. The change states that the template should include all insurance business regardless of the possible different classification between investment contracts and insurance contracts applicable in the financial statements. Aviva has complied with this requirement for 2017 and included unit linked business, including the movement in unit linked liabilities in this QRT. The 2016 premiums and claims figures in the following table were prepared prior to this change in EIOPA guidelines on deposit accounting and therefore align with the 2016 financial statements in table A.2.1. The QRT figures in the 2017 table, prepared after this EIOPA clarification, include premiums and claims expenses for contracts that are excluded from the financial statements in A.2.1 where deposit accounting is applied.

	Health insurance	Insurance with profit participation	Index-linked and unit-linked insurance	Other life insurance	Life Reinsurance	2017 Total
	£m	£m	£m	£m	£m	£m
Gross premiums written	202	280	6,603	4,845	(2)	11,928
Premiums ceded to reinsurers	(104)	(8)	1,066	(2,735)	0	(1,781)
Net premiums written	98	272	7,669	2,110	(2)	10,147
Net claims incurred	(68)	(3,710)	(4,226)	(1,928)	(45)	(9,977)
Changes in other technical provisions	30	(1,322)	7,286	669	(149)	6,514
Direct expenses incurred	(59)	(195)	(543)	(112)	(1)	(910)

	Health insurance	Insurance with profit participation	Index-lined and unit-linked insurance	Other life insurance	Life Reinsurance	Restated 2016 Total
	£m	£m	£m	£m	£m	£m
Gross premiums written	124	265	205	1,370	331	2,295
Premiums ceded to reinsurers	(183)	(9)	(3,026)	(824)	(1)	(4,042)
Net premiums written	(59)	256	(2,821)	547	330	(1,747)
Net claims incurred	(29)	(3,416)	(419)	(460)	(534)	(4,858)
Changes in other technical provisions	160	252	3,149	(16)	(611)	2,934
Direct expenses incurred	(21)	(120)	(795)	(372)	(58)	(1,366)

The Company sells a diverse range of products through its business. The principal products sold include pensions, annuities, bonds, protection and investment products. The Company also purchases equity release business written by its wholly owned subsidiary Aviva Equity Release UK Limited. Some of the Company's insurance and investments products contain a discretionary participation feature, which is a contractual right to receive additional benefits as a supplement to guaranteed benefits. These are referred to as 'participating' contracts.

Notable movements in the year include the impact of the Part VII transfers, changes to presentation of deposit accounting, a significant reinsurance recapture transaction and assumption changes within technical provisions. Further detail on each of these items is provided in the section below.

Prior period adjustment: reclassification of reinsured expenses

The 2016 table above includes the prior year restatement, referred to in section A.2.1. This impacts two lines in the table above; premiums ceded to reinsurers and direct expenses incurred.

Part VII transfers

The movement between the 2016 and 2017 tables above is in part due to the Part VII transfers described in sections A.1.3 and A.2.1. The 2016 figures shown represent the Company prior to the transfer of the long-term businesses of UKA, FLL and FLP.

Deposit accounting

In July 2017 EIOPA clarified that performance analysis QRTs (S.05.01) from Q4 2017 must report all insurance contracts written in the period regardless of accounting classification between investment and insurance. As such, the QRT figures presented in the 2017 table above now include the premiums and claims expenses for the contracts that were previously excluded on the basis that deposit accounting was applied. The change in requirements results in an increase to net written premiums of £7.4bn and net incurred claims of £3.8bn compared with the IFRS figures in table A.2.1. This includes the impact of the BlackRock reinsurance recaptures described below.

Prior to this clarification, in 2016, for business classified as non-participating investment business under IFRS the amounts received were treated as deposits under IFRS and an investment management fee was earned on the funds deposited. Consequently, this business was not captured within IFRS net written premiums and therefore not included on the QRTs S.05.01.02 'Premiums, claims and expenses by line of business' and S.05.02.01 'Premiums, claims and expenses by country'. Non-participating investment business primarily consists of unit- linked life and pensions business.

Reinsurance recapture

The S.05.01 QRT figures used in the 2017 table above include £4.7bn of negative reinsurance premiums in respect of a recapture of reinsurance assets which took place during 2017. This figure impacts Premiums ceded to reinsurers and Changes in technical provisions, and relates to the Index-linked and unit-linked insurance line of business. This related to funds that had previously been passed to BlackRock Life Ltd under the terms of a legal reinsurance agreement and which have now been transferred into tax transparent funds administered by Aviva. The reinsurance premiums recaptured related to contracts where deposit accounting is applied for IFRS reporting purposes and, as such, reinsurance premiums passed to BlackRock Life Ltd prior to 2017 had been excluded from the S.05.01.02 QRT.

Material assumption changes

During the year there have been three material assumption changes on technical provisions relating to; annuitant mortality, expenses and expense inflation and internal credit ratings for matching adjustment portfolios. A description of each is included in section D.2.2.5.

A.3 Investment performance

A.3.1 Measurement of investment performance

Net investment income as disclosed in the Company's financial statements represents the Company's overall investment performance for both policyholders and shareholders. Net investment income consists of dividends, interest and rents receivable for the year, realised gains and losses and unrealised gains and losses on investments held at fair value.

The Company's exposure to investment return varies according to the characteristics of the liability that the assets are held to support. For many types of long-term business, including unit-linked and participating funds, net investment income is broadly offset by corresponding changes in liabilities, limiting the net impact on profit. Therefore, returns on policyholder, participating funds and shareholder investments are distinguished from one another:

- Policyholder assets are connected to unit-linked business, where the policyholder bears the investment risk on the assets in the unit-linked funds. Shareholder exposure to loss on policyholder assets is limited to the extent that income arising from asset management charges is based on the value of assets in the funds.
- Participating fund assets relate to a subset of insurance and investment contracts which contain a discretionary
 participation feature, which is a contractual right to receive additional benefits as a supplement to guaranteed
 benefits. Shareholder exposure to investment losses on participating funds is generally limited to the shareholder's
 participation in the fund.
- Shareholder assets are other assets held within the Company's business that are not backing unit-linked liabilities or participating funds.

Adjusted operating profit includes an expected investment return on financial investments backing shareholder funds and policyholder funds, with a consistent allowance for the corresponding expected movements in liabilities.

Assets are invested in order to generate a return for both policyholders and shareholders. The financial strength of the Company and both current and future operating results and financial performance are, therefore, in part dependent on the quality and performance of the investment portfolios held by the Company.

The aim is to match appropriate investments to the nature of the underlying liabilities, whilst at the same time considering regulatory requirements, the level of risk inherent within different investments, and the desire to generate superior investment returns, where compatible with the stated strategy and risk appetite.

A.3.2 Investment performance by asset class

The following section summarises the Company's net investment income and provides an analysis of net investment income by asset class:

	Debt Securities	Equity Securities	Loans	Other financial investment	Investment property	Other	2017 Total
Net Investment Income - Total	£m	£m	£m	£m	£m	£m	£m
Dividends	-	1,137	-	315	-	-	1,452
Interest	1,087	-	828	201	-	175	2,291
Net realised gains/(losses)	(233)	1,781	134	(169)	(449)	17	1,081
Net unrealised gains/(losses)	977	1,786	459	3,098	697	(1,494)	5,523
Rental income less expenses	-	-	-	-	192	-	192
Other income less management charges	-	-	-	-	27	(196)	(169)
Total	1,831	4,704	1,421	3,445	467	(1,498)	10,370

	Debt Securities	Equity Securities	Loans	Other financial investment	Investment property	Other	2016 Total
Net Investment Income - Total	£m	£m	£m	£m	£m	£m	£m
Dividends	-	999	-	187	-	350	1,536
Interest	396	-	11	92	-	102	601
Net realised gains/(losses)	531	1,055	-	430	11	5	2,032
Net unrealised gains/(losses)	1,050	3,328	114	1,833	(149)	326	6,502
Rental income less expenses	-	-	-	-	206	-	206
Other income less management charges	-	-	-	20	-	(185)	(165)
Total	1,977	5,382	125	2,562	68	598	10,712

The Company's expense for the year in respect of investment management fees amounted to £194m. (2016: £49m)

Other asset class net unrealised gains/(losses) during 2017 includes the impact of the write down of the investment in UKA following the Part VII transfer of £1,718m.

The following table provides an analysis of the Company's net investment income by policyholder, participating and shareholder exposures:

	Debt Securities	Equity Securities	Loans	Other financial investment	Investment property	Other	2017 Total
Net Investment Income – Total	£m	£m	£m	£m	£m	£m	£m
Policyholder assets	168	3,705	(16)	2,731	263	57	6,908
Participating assets	360	936	38	856	179	31	2,400
Shareholder assets	1,303	63	1,399	(142)	25	(1,586)	1,062
Total	1,831	4,704	1,421	3,445	467	(1,498)	10,370

	Debt Securities	Equity Securities	Loans	Other financial investment	Investment property	Other	2016 Total
Net Investment Income – Total	£m	£m	£m	£m	£m	£m	£m
Policyholder assets	602	4,177	14	1,017	17	28	5,855
Participating assets	1,233	1,177	66	1,207	29	40	3,752
Shareholder assets	142	28	45	338	22	530	1,105
Total	1,977	5,382	125	2,562	68	598	10,712

Net investment income primarily consists of realised and unrealised gains on debt securities, equity securities and unit trusts (included within other financial investments).

- Gains on debt securities reflect the returns on underlying indices (Government all stock indices of -1.0% and Corporate bond indices of 0.5%).
- Gains on equity securities reflect the returns on underlying indices (FTSE all share indices of 9%, S&P Europe indices of 14% and S&P World indices of 10%).
- Unit trusts are primarily invested in debt and equity funds. Consequently, gains on unit trusts reflect the returns on both debt and equity assets.
- Items within 'Other' primarily consist of investment income in respect of participations and other subsidiaries. Net investment income during 2017 on shareholder assets includes the impact of the write down of the investment in UKA following the Part VII transfer of £1,718m.

A.3.3 Investment performance: other information – investments in securitisations

Securitisation means a transaction or scheme, whereby the credit risk associated with an exposure or pool of exposures is tranched, having both of the following characteristics:

- payments in the transaction or scheme are dependent upon the performance of the exposure or pool of exposures;
- the subordination of tranches determines the distribution of losses during the ongoing life of the transaction or scheme.

The Company holds investments in securitisation vehicles that are not originated by the Company in the form of debt securities. These securities consist of residential mortgage backed securities, commercial mortgage backed securities, asset backed securities, wrapped credit securities and collateralised loan obligation securities.

Net investment income in the Company for the year in respect of these securitisations was £67m (2016: £49m).

The key risks the Company's securitisations are exposed to are market risk and credit risk. The Company's risk management procedures in respect of market risk and credit risk are described in sections C.2.2 and C.3.2.

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B. System of Governance

In this chapter

- B.1 General information on the system of governance
- B.2 Fit and Proper policy
- B.3 Risk management system including the own risk and solvency assessment
- B.4 Internal control system
- B.5 Internal audit function
- B.6 Actuarial function
- B.7 Outsourcing

This section of the report sets out information regarding the 'System of Governance' in place within the Company.

Details of the structure of the Company's "administrative, management or supervisory body" (defined as including the Board, subsidiary boards and Board sub-committees) are provided. The roles, responsibilities and governance of key control functions (defined as the Risk, Compliance, Internal Audit and Actuarial functions) are also provided. Other components of the system of governance are also outlined, including the risk management system and internal control system implemented across the business.

During the year, Aviva adopted a UK-wide approach to managing its UK insurance operations, covering Life insurance, General insurance and Health businesses. Notwithstanding this change, the Company's Board and Board Committee responsibilities and arrangements, and the fundamental approach to the system of governance, have not materially changed.

B.1 General information on the system of governance

B.1.1 Overview of the Company's system of governance

Role and responsibilities of the Board

The Board's role is to be responsible for promoting the long-term success of the Company and for setting the strategy, against which management's performance is monitored. It sets the risk appetite and satisfies itself that financial controls and risk management systems are robust, whilst ensuring the business is adequately resourced. The Board is also responsible for setting the values and supporting the culture of the Company, and ensures appropriate dialogue with shareholders on strategy and remuneration.

The Board's responsibility includes ensuring that an appropriate system of governance is in place. To discharge this responsibility, the Board has established frameworks for risk management and internal control using a 'three lines of defence' model.

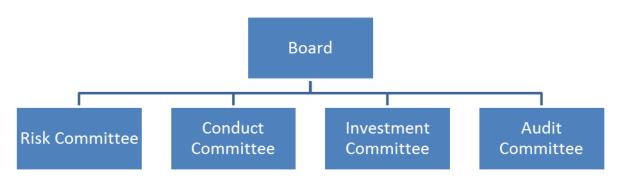
A strong system of governance aids effective decision-making and supports the achievement of business objectives for the benefit of customers, shareholders and regulators.

The Board comprises the Chairman, Chief Executive Officer, Chief Financial Officer and Independent Non-Executive Directors ("NEDs"). The Board's policy is to appoint and retain NEDs, who can apply their wider business knowledge and experiences to their oversight of the Company, and to review and refresh regularly the skills on the Board.

The Board has established and delegated responsibilities to various committees to assist in its oversight of risk management and the approach to internal controls. There is alignment and communication between these committees and there is regular reporting to the Board.

The full duties of the Board and of each of its committees are set out in each respective Terms of Reference. The Terms of Reference list both those items that are specifically reserved for decision by the Board and those matters that must be reported to the Board.

The diagram illustrates the governance structure and a brief description of the main roles and responsibilities of each committee follows:



The *Risk Committee* is responsible for assisting the Board in its oversight of risk, reviewing the Company's risk appetite and risk profile in relation to capital and liquidity, reviewing the effectiveness of the Company's Risk Management Framework, reviewing the methodology used in determining the Company's capital requirements, stress testing, ensuring due diligence appraisals are carried out on strategic or significant transactions, and monitoring the Company's regulatory requirements in relation to prudential matters, as appropriate.

The *Conduct Committee* is responsible for assisting the Board in its oversight of conduct issues. This oversight includes oversight of the Company's conduct framework including product design, live selling practices, claims practices, conduct oversight of third parties, the achievement of an appropriate conduct focused culture and the management of good and influential relationships with the regulators in relation to conduct matters. It also sets and reviews the conduct and financial crime risk appetites and ensures that the reputational risk is consistent with the risk preference approved by the Board.

The *Investment Committee* is responsible for assessing and approving investment strategy consistent with the risk preferences approved by the Board; considering investment matters that require Board approval (for example the 6).

investment into a new asset class); overseeing the relationship between the Company and its investment managers and monitoring investment performance.

The *Audit Committee* is responsible for monitoring the integrity of the Company's financial statements and the effectiveness of the systems of internal control and for monitoring the effectiveness, performance, independence and objectivity of the internal and external auditors.

There are also two other Board committees with specific purposes:

- With Profits Committee provides independent oversight and challenge to ensure that fairness and with-profits customers' interests are appropriately considered in governance structures and decision-making processes.
- Independent Governance Committee provides independent challenge in respect of the interests of relevant scheme members of workplace pensions.

An effective delegated authority framework is an important part of good business governance. A set of transaction categories provide a comprehensive framework for assigning financial authorities to certain individuals consistently across the Company, with limits within each category to ensure they support effective and appropriate decision making.

The 'three lines of defence model', and roles and responsibilities of key functions

Roles and responsibilities for risk management are based around the 'three lines of defence model' where employees are involved in the management and mitigation of risk. The roles of the three lines of defence each contribute to embedded risk management.

The first line: management monitoring

Management are responsible for the application of the Risk Management Framework (RMF), for implementing and monitoring the operation of the system of internal control and for providing assurance to the Risk, Conduct, Investment and Audit Committees, and the Board.

The second line: Risk Management, Compliance and Actuarial functions

The Risk Management function is accountable for developing the RMF and for the quantitative and qualitative oversight and challenge of the identify, measure, manage, monitor and report ("IMMMR") process. As the business responds to changing market conditions and customer needs, the Risk Management function regularly monitors the appropriateness of the Company's risk policies and the RMF to ensure they remain up to date.

The Compliance function supports and advises the business on the identification, measurement and management of its regulatory, financial crime and conduct risks. It is also accountable for monitoring and reporting on the compliance risk profile.

The Actuarial function is accountable for actuarial methodology, reporting to the relevant governing body on the adequacy of reserves and capital requirements, as well as underwriting and reinsurance arrangements.

Refer to sections B.3.2, B.4.2 and B.6 for further details on the roles, responsibilities, authority, resources, independence and reporting lines of the Risk Management, Compliance and Actuarial functions respectively, and how their independence is ensured.

The third line: Internal Audit

This function provides independent and objective assessment on the robustness of the RMF and the appropriateness and effectiveness of internal control to the Audit, Conduct, Risk and Investment Committees, and the Board.

Refer to section B.5 of this report for details on the roles, responsibilities, authority, resources, independence and reporting lines of the Internal Audit Function.

Implementation and assessment of adequacy of the system of governance

The Company implements its RMF and system of internal controls and associated reporting procedures consistently throughout the business, via group-wide risk policies and business standards. To support an assessment of the effectiveness of the governance, internal control and risk management requirements, the Chief Executive Officer and Chief Risk Officer certify annually that the Company's governance, internal control and risk management requirements, are effective and fit for purpose across the business.

Any material risks not previously identified, control weaknesses or non-compliance with the risk policies and business standard controls or local delegations of authority, are highlighted as part of this process.

Changes in the system of governance during 2017

There have been no material changes in the system of governance during the year.

Terms of reference for all Board Committees were refreshed during 2017.

B.1.2 Remuneration Policy

All staff are employed by a fellow subsidiary undertaking of Aviva plc, Aviva Employment Services Limited, who make a management charge for services, including the provision of staff to the Company.

The Company's reward principles and arrangements are designed to incentivise and reward employees for achieving stated business goals in a manner that is consistent with the Company's approach to sound and effective risk management. The Company's remuneration philosophy:

• Aligns to the Company's purpose and strategy;

- Incentivises achievement of the Company's annual business plan and longer term sustainable growth of the business:
- Differentiates reward outcomes based on performance and behaviour that is consistent with the Company's values

B.1.2.1 Executive directors ("EDs")

The Remuneration Policy provides market competitive remuneration, and incentivises EDs to achieve both the annual business plan and the longer-term strategic objectives of the Company. Significant levels of deferral and an aggregate shareholding requirement align EDs' interests with those of shareholders and aid retention of key personnel. As well as rewarding the achievement of objectives, variable remuneration can be zero.

Remuneration of EDs is split between the following components:

- Basic salary: informed by individual and business performance, levels of increase for the broader UK employee population and relevant pay data.
- Variable components: refer to section "Variable components" below for further details;
- Pension:
- Benefits;
- · Relocation and mobility; and
- Shareholding requirement.

The main forms of variable remuneration for the EDs are:

- Annual Bonus: Awards are based on performance in the year. Performance is assessed against a range of relevant
 financial, employee customer and risk targets designed to incentivise the achievement of our strategy as well as
 individual strategic objectives. Targets are set annually and pay-out levels are determined based on performance
 against those targets. A significant proportion of any bonus awarded is deferred into shares which vest in three
 equal annual tranches; and
- Long Term Incentive Plan (LTIP): Shares are awarded which vest over a three year period, in some cases dependent on the achievement of performance conditions over that period.

The Group did not operate any enhanced pension arrangements or early retirement schemes for key management during the reporting period.

B.1.2.2 NEDs

NEDs receive a basic annual fee in respect of their Board duties. Further fees are paid for membership and, where appropriate, chairing of Board committees. The Chairman receives a fixed annual fee. Fees are reviewed annually taking into account market data and trends and the scope of specific Board duties.

The Chairman and NEDs do not participate in any incentive or performance plans or pension arrangements and do not receive an expense allowance.

NEDs are reimbursed for reasonable expenses, and any tax arising on those expenses is settled directly by the Company. On the limited occasions when it is appropriate for a NED's spouse or partner to attend a business event, the Company will meet these costs and any tax liabilities that may arise.

B.1.2.3 Employees

Remuneration arrangements for employees that are not EDs take account of the seniority and nature of the role, individual performance and local market practice. The components and levels of remuneration for different employees may therefore differ from the policy for EDs. Any such elements are reviewed against market practice and approved in line with internal guidelines and frameworks.

Variable payments are discretionary and fully flexible as opposed to a contractual entitlement, and there is a possibility of zero awards being made should the performance of the Group and/or individuals require this (other than where payments are required by law). Individual awards are based on an assessment of performance of individuals allowing for differentiation.

The remuneration of employees in the Risk Management, Compliance and the Actuarial functions and Internal Audit is determined independently of the financial results of the business areas they oversee. This reinforces the independence of these functions.

B.1.2.4 Material transactions with shareholders and persons exercising significant influence during the period

Key management personnel may from time to time purchase insurance, savings, asset management or annuity products marketed by Group companies on equivalent terms to all employees of the Group. Any transactions with key management personnel deemed to be significant either by size or in the context of their individual financial positions have been conducted on an arms-length basis.

Additional information on the material transactions with the Company's shareholder is included within Note 39 – 'Related party transactions' of the Company's financial statements.

B.2 Fit and Proper policy

The Group has the following policies in place to ensure that individuals acting on behalf of the Company are both "fit" and "proper" in line with the PRA's Fit and Proper requirements for individuals subject to the Senior Insurance Manager Regime and the Financial Conduct Authority's ("FCA"'s) requirements for Approved Persons:

- Fit As part of recruitment and employee screening, an individual's career history will be assessed and validated to establish whether an individual's skills and knowledge are appropriately matched to the role.
- Proper checks are in place to ensure that an individual is honest, of good reputation, has integrity and is financially sound.

The governance over the fitness and propriety of individuals spans across the employee lifecycle including recruitment, performance management and training. To ensure the Group protects itself against employing individuals who potentially could threaten its people, customers, properties, facilities or reputation, the majority of Fit and Proper activities take place within recruitment and more specifically in pre-employment screening.

To support the recruitment activity for all staff across the Group, a policy to apply a minimum set of basic screening requirements has been agreed and implemented. Additional enhanced screening requirements and ongoing Fit and Proper requirements are also applied for individuals who fall within the following categories, as required by Solvency II requirements:

- Persons running the undertaking;
- Administrative, management or supervisory body; and
- Persons responsible for key functions.

For persons responsible for running the undertaking or responsible for key functions this assessment must consider their allocated responsibilities and skills and experience across a skills matrix covering the following areas (as appropriate to their role):

- Insurance and financial markets;
- Business strategy and business models;
- System of governance;
- Financial and actuarial analysis; and
- Regulatory framework and requirements.

The group-wide Nomination Committee identifies the skills and experience that it would like to have at Board level. These requirements are set out in a comprehensive skills matrix where Board members are asked via an online questionnaire to self-assess their experience and skills each year. The Skills Matrix is integral to the Committee's planning, discussions for developing further the Board's succession plans and commitment to Board diversity. Additionally, it is an essential tool to review and reflect on the skills that individual directors currently possess and ascertain areas in which training and development can be strengthened.

Prior to appointing an individual into a key function role, checks take place to ensure that the relevant skills and experience have been identified and agreed for the role. This is achieved by engaging with both internal and external subject matter experts in each specialism to define the skills and experience required for each key function role.

In all cases local business subject matter experts are engaged to ensure that all skills and experience requirements have been identified, including any specific qualifications required to carry out the role. These individual key function role skills and experience requirements and qualifications, where applicable, are captured within individual role descriptions for each role.

Compliance with the initial and ongoing Fit and Proper minimum requirements is reported as part of the People Business Standard attestation by the People Director on behalf of the Chief Executive Officer to the Group People function.

B.3 Risk management system including the ORSA

B.3.1 Overall risk management system: strategies, processes and reporting procedures

The RMF forms an integral part of the management and Board processes and decision-making framework across the Company. The key elements of this framework comprise risk appetite (including risk preferences and risk tolerances); risk governance, including risk policies and business standards; and the processes used to identify, measure, monitor and report risks, including the use of the Company's risk models and stress and scenario testing.

To promote a consistent and rigorous approach to risk management across all parts of the business, there is a set of risk policies and business standards which set out the requirements for risk strategy, appetite, and minimum requirements for the Company's operations.

For the purposes of risk identification and measurement, risks are usually grouped by risk type: credit, market, liquidity, underwriting and operational risk. Risks falling within these types may affect a number of metrics including those relating to balance sheet strength, liquidity and profit. They may also affect the performance of the products delivered to customers and the service to customers and distributors, which can be categorised as risks to the brand and reputation or as conduct risk.

A regular top-down risk assessment and reporting process is facilitated by the Risk Management function. This includes the consideration of emerging risks and is supported by deeper thematic reviews. This, together with the risk and control self assessment ("RCSA") process, are the main processes used to IMMMR risks. They are run separately but are complementary. The RCSA process is run by the first line, with challenge by the Risk Management function. It focuses on operational risks, which are recorded on 'iCARE', the Company's risk management system.

Risk models are an important tool in the measurement of risks and are used to support the monitoring of the risk profile and in the consideration of the risk management actions available. A range of stress tests are carried out (where one risk factor, such as equity returns, is assumed to vary) and scenario tests (where combinations of risk factors are assumed to

vary) to evaluate their impact on the business and the management actions available to respond to the conditions envisaged.

The Risk Management function is accountable for quantitative and qualitative oversight and challenge of the IMMMR process and for developing the RMF. Internal Audit provides an independent assessment of the risk framework and internal control processes.

Board oversight of risk and risk management across the Company is maintained on a regular basis through the Risk, Conduct and Investment Committees.

The Board has overall responsibility for determining risk appetite, which is an expression of the risk the business is willing to take. Risk appetites are set for solvency and liquidity. The position against risk appetite is monitored and reported to the Board on a regular basis. Solvency II capital risk tolerances are also set for each risk type, calculated on the basis of the Solvency II balance sheet.

Risk preferences, being qualitative statements that express the risks that the Company seeks, wishes to avoid or minimize, or limit exposure are approved by the Board. Long-term sustainability depends upon the protection of franchise value and good customer relationships. As such, there is a risk preference that the Company will not accept risks that materially impair its reputation and requires that customers are always treated with integrity.

Reporting of risks is provided to Board Committees and the Board by management, alongside Risk and Audit opinions as required. The Board has set clear expectations that reporting must present an accurate, clear and timely picture of existing and emerging issues, risk exposures and risk management activities and provide demonstrable evidence that the Company is managing its risks.

It is recognised that it is important to have an appropriate risk culture ("tone from the top"). An appropriate culture includes the effective management of exposures, adequate resourcing, effective communication, malpractice reporting, a business ethics code that is annually signed up to by employees, and a commitment to integrity, ethical behaviour and compliance.

A risk and control goal is set for senior management as part of the annual bonus plan to help drive and reward effective risk management and a robust control environment. This is assessed on an annual basis by the Risk Management function.

B.3.2 Risk management function

The Risk Management function is responsible for the design and implementation of the risk management system, and the design and independent validation of Solvency II capital models requiring regulatory approval. The Risk Management function reports to the board on material risks identified, together with any other specific areas of risk requested by the board, and assists the board and management in the effective operation of the risk management system through the provision of specialist analysis and quality reviews, an aggregated view of the risk profile, and an assessment of the key risks associated with the business's strategy, major projects, strategic investments and other key decisions.

The Risk Management function has authority to review all areas of the business and has full, free and unrestricted access to all activities, records, property and personnel necessary to complete its work. The scope of Risk's activities extends to all legal entities, joint ventures, partnerships, outsourcing and reinsurance arrangements.

The Risk Management function operates as part of the Global Risk function, which includes the Actuarial and Compliance functions as well as Risk Management. Further information on the Compliance and Actuarial functions is set out in sections B.4.2 and B.6 respectively.

B.3.3 Integration of risk management into the decision making processes

Under Solvency II, the Internal Model must be embedded at the heart of risk and capital evaluation and its outputs must be used as a key part of a wide range of business and strategic decisions. As well as being a Solvency II requirement, this makes sense from a business perspective - using a model which reflects the actual risk profile of the business drives more informed decisions. An annual Business Use assessment report records the processes which have taken place and which facilitates the evidencing of the use of risk management and Solvency II capital in decision making.

All key decisions must have the support of the Risk Management function before proceeding and the Chief Risk Officer has the power of veto.

B.3.4 Risk management system: Own risk and solvency assessment (ORSA)

The ORSA Report is the outcome of the combined processes and procedures (collectively ORSA processes) in place to manage and assess the risk and solvency position of the Company. The goal of the ORSA process is to provide a continuous and forward-looking assessment of the short-term and long-term risks that the Company faces, or may face, ensuring that solvency requirements are met at all times.

The ORSA processes comprise a number of elements of the RMF which are embedded in the business through the requirements of supporting risk policies and business standards around strategy, planning, capital management, stress and scenario testing and use of Solvency II capital in decision making.

In combination, these elements create a holistic overview of the elements of risk that may impact the Company, and which should be taken into account by management in day-to-day decision-making, in particular through the use of Solvency II capital, and ensures risk and capital management are connected.

The ORSA Report articulates the Board's formal view of the capital the Company needs to hold, given the risks currently faced by the business and how these might evolve over time, in line with delivery of the business strategy. It summarises a high level description of the key components of the underlying ORSA processes and the key outcomes from these processes.

Consistent with the three lines of defence model, first-line management is responsible for the implementation of the majority of the underlying ORSA processes.

The output from the ORSA processes is reported to the Board and the Board Risk Committee regularly during the year. The ORSA Report is produced annually, usually following the Board's approval of the Company's three-year Business Plan. An interim ORSA update is also produced following the annual strategy refresh, albeit this is not considered a formal "full" ORSA Report. The Chief Risk Officer is responsible for producing the ORSA Report which is reviewed and approved by the Risk Committee and the Board.

The Board has approved that for the purpose of ORSA, capital resources and requirements are measured on the basis of Solvency II requirements for determining Solvency II Own Funds and SCR.

Solvency II capital, (as a risk based capital measure), is embedded at the heart of the Company's risk and capital evaluation and is used as a key input to a wide range of business and strategic decisions. Solvency II capital is calculated using the Company's Partial Internal Model.

The RMF, supported by risk policies and business standards, sets out the areas where businesses are expected to use Solvency II capital management information as part of their decision-making and risk management processes. This ensures that requirements to use Solvency II capital are embedded within the instructions of how the relevant processes (for example asset liability management or strategy and planning) are to be performed.

B.3.5 Governance over the Internal Model

The Solvency II Internal Model Governance and Data Governance business standards and associated guidance, manuals, logs and reports are part of the overall RMF. These combine to ensure that the Company's businesses operate within a controlled environment when developing methodologies and assumptions, and when running processes and systems.

The appropriateness of the Company's Internal Model is tested and confirmed by model validation, review and challenge, weakness and limitation management and general change control processes. In aggregate, these tests ensure there is a robust governance framework to support the use of the Internal Model in both a production environment and during model development or change.

The Board is responsible for approving any Internal Model changes before submission to the College of Supervisors for approval. It is anticipated that there will be one model change application a year (around June each year). The quarterly model change reports and supporting evidence provide the required information to support Board and the College of Supervisors approval.

The Chief Risk Officer is the ultimate Internal Model Owner. In practice the day to day responsibilities are delegated to the Chief Risk Actuary, as he has the accountability to give assurance to the Board that the Internal Model is appropriate for use on an ongoing basis; adequately reflects the business's risk profile; takes into account new information as it becomes available and works effectively. This enables the Board to conclude whether the Internal Model is fit for purpose whilst also ensuring it is used to provide information for important strategic and business decisions; capital management; business planning; risk mitigation; investment allocation and product development.

The Internal Model Independent Validation Review (refer to the section below for further details) also provides an opinion to the Board on whether the Internal Model is suitably accurate and fit for purpose, and whether or not its approval is recommended.

Since the first College of Supervisors approval of the Company's Internal Model Application, work has continued to refine the model change process and update the Solvency II Model Governance Business Standard in accordance with PRA feedback. CP27/17 issued by the PRA, provides further direction on how changes or updates to the Internal Model should be governed and we are engaging with the PRA on its application to Aviva's business standard.

Validation processes

As a key part of capital assessment and capital management, the Internal Model is rigorously validated using a series of tests. This suite of tests includes both validation of the individual calibrations and methodologies underlying the model, and validation of the model using its results.

The validation tests applied comprise both mathematically defined tests and those based on qualitative judgment, to ensure that the model and its components are both accurate and reflect management opinion. Key tests include backtesting (historic experience is compared against the results produced by the model), sensitivity testing (the analysis of the change in results due to changes in its inputs) and benchmarking (the results of the Internal Model and its components are compared against external benchmarks, at the overall Group level). The validation tests are run, documented and assessed (against criteria set by the Actuarial function), and are designed to draw conclusions on the appropriateness of the Internal Model. The results of this analysis are made available to the Risk Committee and Board.

In addition, separate and independent validation of the Internal Model is performed to give assurance to the Board that the model is appropriate for use on an ongoing basis, adequately reflects the business's risk profile and takes into account new information as it becomes available, and works effectively. This informs whether the Internal Model is fit for purpose, including informing important strategic and business decisions, capital management, business planning, risk mitigation, investment allocation and product development.

The Board approves the scope and approach proposed by the Enterprise Risk Director (who reports into the Chief Risk Officer) for each independent validation exercise, as required by the Internal Model Independent Validation Business Standard. The Enterprise Risk Director performs the independent validation and provides an opinion to the Board whether the Internal Model is materially fit for purpose.

B.4 Internal control system

B.4.1 Description of the internal control system

Internal controls facilitate effective and efficient business operations, the development of robust and reliable internal reporting and compliance with laws and regulations.

The Internal Control Business Standard sets out required controls for effective internal control across the Group. It comprises five key principles.

- The Company sets an appropriate culture, including "tone from the top". This ensures the effective management of exposures, adequate resourcing, effective communication, malpractice reporting, a business ethics code that is annually signed up to by employees, and a commitment to integrity, ethical behaviour and compliance.
- The Company has an organisational structure that supports the system of internal control. This includes the effective operation of an adequately resourced three lines of defence model, appropriate and proportionate segregation of duties, a clear system of delegated authorities, clearly defined roles and responsibilities for staff, and the consideration of risk management and control responsibilities when setting objectives for and reviewing the performance of all staff.
- The Company has a RMF (see section B.3.1).
- The Company has effective controls for each core business process and that these are monitored and reported upon regularly.
- The Company has a risk oversight process that provides adequate challenge to the completeness and openness of internal control and risk assessment.

B.4.2 Compliance function

The primary purpose of the Compliance function is to assess and manage the business's exposure to regulatory risk. In the UK, where a dual regulatory system exists, this activity has been divided between prudential and conduct regulatory risk.

The Compliance function is an integral part of the RMF and constitutes a key part of corporate governance. The function is a critical contributor to the safe and sound operation of the business and underpins the achievement of strategic and business goals. The Compliance function is lead by the Compliance Director, who reports to the Chief Risk Officer and has delegated authority to manage compliance related risk across the business.

Three key processes comprise Aviva's compliance activity:

- Conduct regulatory risk management (including monitoring regulatory developments), performed by the Compliance function and including activities such as;
 - Setting conduct and financial crime policy framework;
 - Provide advice, support, guidance and challenge on conduct and financial crime risk; and,
 - Manage conduct and financial crime regulatory engagement.
- Prudential regulatory risk management (including monitory regulatory developments), performed by the Risk Management function and including activities such as;
 - Setting prudential regulatory risk policy framework;
 - Provide advice, support, guidance and challenge on prudential regulatory risk; and,
 - Manage prudential regulatory engagement.
- Legal developments monitoring, performed by the Legal and Company Secretarial function.

The Compliance function has authority to review all areas of the business and has full, free and unrestricted access to all activities, records, property and personnel necessary to complete its work.

B.5 Internal Audit function

The Internal Audit function provides independent and objective assessment of the robustness of the RMF and the appropriateness and effectiveness of internal control to the Board, primarily via the Audit Committee. The Audit Committee receives quarterly control reports from Internal Audit and reviews and challenges management on the actions being taken to improve the quality of the overall control environment and the control culture across the Company.

B.5.1 Independence and objectivity of the Internal Audit function

Internal Audit must be independent from management at all times in order to be effective in performing its activities. The Internal Audit Function maintains its independence and objectivity by reporting directly to the Group Chief Audit Officer and the Chairman of the Company's Audit Committee.

The Audit Committee has a duty to recommend the appointment or dismissal of the Internal Audit Director to the Board and to participate, jointly with the Chief Audit Officer or designee, in the determination of the objectives of the Internal Audit Director and the evaluation of his levels of achievement, including consultation with the Chief Executive Officer.

Internal Audit staff have no direct responsibility or authority over any operational activities reviewed and may not relieve others of such responsibilities. Internal Audit staff previously working on behalf of the Company, but outside of the Internal Audit function, may not perform or manage reviews in the same business area of the Company for a period of at

least one year after the end of their previous role. Internal Audit operates a formal policy of rotating staff to ensure that independence is maintained.

Internal Audit provides the Audit Committee with an annual confirmation of its independence, supported by an independence declaration form signed by all members of Internal Audit staff.

Internal Audit is authorised to review all areas of the Company and has full, free, and unrestricted access to all activities, records, property, and personnel necessary to complete their work.

B.6 Actuarial function

The Actuarial function is accountable for actuarial methodology, reporting to the Board on the adequacy of reserves and capital requirements, and on the adequacy of underwriting and reinsurance arrangements.

The independence of the Actuarial function is derived through its membership in the wider Global Risk function. The Actuarial function is led by the Chief Risk Actuary, who reports to the Company's Chief Risk Officer.

The Actuarial function has authority to review all areas of the business and has full, free and unrestricted access to all activities, records, property and personnel necessary to complete its work.

B.7 Outsourcing

The Group Procurement and Outsourcing Standard is the Company's Outsourcing Policy which sets out the relevant responsibilities, objectives, process, and monitoring arrangements to be applied in cases of outsourcing, all of which shall be consistent with the overall business strategy. The standard applies equally to any externally or internally (intragroup) outsourced activity. The objective of this standard is to ensure that minimum control objectives and controls for Supplier related activities are followed by the Company, to ensure that supply risk is managed effectively, customers are being treated fairly and continue to receive good outcomes, as well as mitigating potential financial, operational, contractual, and brand damage caused by inadequate management.

The standard is benchmarked against UK regulatory expectations, FCA, PRA, Solvency II framework and Global Systemically Important Insurer requirements, and where appropriate, regulatory guidance will be applied as a requirement. Any local regulation that exceeds the UK expectations must supplement this.

The standard applies to all staff involved in supplier related activities and provides direction to staff on their roles and responsibilities in effectively managing supplier activity. It provides clarity to businesses on the definition of outsourcing, including where activity is delegated to an intermediary, and whether a function or activity outsourced is critical or important. All staff have a responsibility to comply with this standard if they are involved with supplier related activity.

The Group's Board Risk Committee approves the control objectives and controls in the standard which cover the following areas:

- Supply governance business oversight of operational performance for sourcing and supply management activities;
- Sourcing how a service provider of suitable quality is selected;
- Supplier contracting and approvals financial, commercial and legal approval of contracts; and
- Supplier management and business continuity risk based approach to management of supply contracts.

Critical or important outsourcing will attract the highest level of rigour, including regulatory notification, performance and relationship reviews, regulatory compliance review, risk and control assessments.

B.7.1 Outsourced functions and activities

The Group outsources a wide range of operational functions and activities, including policy administration, claims handling, customer contact centres, fund management, finance back office services and IT support services. The Procurement and Outsourcing Standard requires a global Supplier Landscape document to be produced bi-annually to capture details of all critical or important outsourced operational functions and activities.

The Company has contractual agreements with the following suppliers for the outsourcing of critical and important functions:

Jurisdiction	Services provided
Belgium	Administration of the Company's Belgian branch business
United Kingdom	Providing custodial, settlement and other associated services
United Kingdom	Fund accounting and administration services
United Kingdom	Fund accounting and administration services
United Kingdom	Custodian services
United Kingdom	Trustee and administration services
Germany	Policy administration for the German Overseas Life & Pensions
United Kingdom	Administration services for protection products
	Belgium United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom Germany

In addition, the following table lists the critical and important functions that the Company has outsourced to other companies within the Group. The intra-group companies listed here also hold contractual agreements with a number of external suppliers to outsource activities.

Supplier Name	Jurisdiction	Services provided
Aviva Central Services Limited	United Kingdom	Provision of Finance, People and Information Technology functions
Aviva Employment Services Limited	United Kingdom	Employment of the Company's staff
Aviva Investors Global Services Limited	United Kingdom	Investment management services
Aviva UK Life Services Limited	United Kingdom	Expenses management
Aviva Administration Limited	United Kingdom	Management of outsourced functions
Aviva Management Services Limited	United Kingdom	Management of outsourced functions

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C. Risk Profile

In this chapter

- C Overview of the Company's risk profile
- C.1 Underwriting risk
- C.2 Market risk
- C.3 Credit risk
- C.4 Liquidity risk
- C.5 Operational risk
- C.6 Any other information

The 'Risk Profile' section of this report provides information on the key risks encountered by the Company as well as the corresponding processes for monitoring the risk exposures and the techniques in place for mitigating these risks.

Overview of the Company's risk profile

For the purposes of risk identification and measurement, and aligned to the Company's risk policies, risks are usually grouped by the following principal risk types: underwriting risk (including life and long-term health), market, credit, liquidity and operational risk.

An overview of the Company's process for identifying, measuring, managing and monitoring the risks it faces is set out below, with further detail provided in sections C.1 to C.5.

Risk identification

The ultimate parent company, Aviva plc, and its related undertakings comprising the Group (including the Company) operate a risk framework which defines the enterprise-wide approach to managing risk, including how the Group identifies, measures, manages, monitors and reports on the risks to which it is, or could be, exposed. The Group has a variety of tools and processes to support the identification and measurement of the material risks the Group is, or could be, exposed to in the short, medium and long-term. The risk framework has been adopted by the board of this Company.

Primary sources for identifying risks include risk events analysis, external and internal trends analysis and management information, as well as other risk governance processes and input from executive teams and internal committees.

Exposure measurement and monitoring

The primary basis used by the Company to measure and assess risks is the Solvency II SCR, which is calculated as Solvency II Own Funds at risk in a 1-in-200 year loss event over a one year time horizon. Solvency II SCR is the basis on which the Company sets solvency capital risk appetite and is used to assess the significance of risks and to appropriately direct resources to their management. Refer to section E.2 of this report for details of the methodology and assumptions used in the calculation of the Company's Solvency II SCR.

The primary risk types measured in the Company's Solvency II SCR calculation are:

- Underwriting risk Life and health risk (refer to section C.1);
- Market risk (refer to section C.2);
- Credit risk (refer to section C.3); and
- Operational risk (refer to section C.5).

Some categories of risk are not managed by holding capital, principally liquidity risk, which is measured through the liquidity coverage ratio (see section C.4).

The Company also assesses risks on the basis of their potential impact on the value of the Company's franchise, which is supported by the Company's reputation, brand and good customer relationships. Operational risks, in particular, have the potential to significantly impact the franchise value (see section C.5) compared to other risk types which are relatively more significant measured on the basis of Solvency II SCR.

The Company also measures and assesses risk in terms of its total gross exposure and sum at risk, as well as monitoring risk indicators that might indicate changes in the risk exposure and act as a trigger for management action. These are generally risk type specific and are considered in sections C.1 to C.5.

Changes in the period to risk profile

Sections C.1 to C.5 include details on the key changes to the Group's risk profile in the reporting period.

Risk mitigation

Risks arising across the Group are mitigated through application of elements of the Group's RMF, and in particular business standards in respect of financial risk mitigation and reinsurance. Risk mitigation techniques applied are explained in greater detail by risk type in sections C.1 to C.5.

Monitoring the effectiveness of risk mitigation techniques

Annually the Group Risk function undertakes an assessment, presented to the Group Board Risk Committee, of the effectiveness of the Group's and business units' overall risk management, including specifically the robustness of their control environments in mitigating operational risk. The Group's major business units have dedicated risk monitoring teams which monitor the effectiveness of risk management in the business including risk mitigation. How the effectiveness of specific risk mitigation techniques is monitored is considered in sections C.1 to C.5.

Risk concentration

The Company writes a diverse mix of business that is subject to similar risks (mortality, persistency etc.). The Company assesses the relative costs and concentrations of each type of risk through the Internal Model. This analysis enables the Company to assess whether accumulations of risk exceed risk appetite. The main concentrations of risk for the Company are considered by risk type in sections C.1 to C.5

Sensitivity analyses

The Company performs sensitivity analyses and stress and scenario testing in order to understand the impact that changes would have on the Company's risk profile, capital generation and SCR. Refer to section C.6.1 for details on the methodology employed, the assumptions and limitations in performing these analyses, and the results obtained.

The Company ensures that its assets are invested in accordance with the prudent person principle as set out in Article 132 (Directive 2009/138/EC), through the collective application of its risk policies and business standards. These ensure the Company invests in assets whose risks it can properly identify, measure, monitor, manage, control and report, and appropriately take into account in the assessment of its overall solvency needs. The Company's Asset Liability Management Business Standard and certain provisions of the Investment Management Business Standard contain mandatory requirements to ensure that the Company develops its own set of key risk indicators and takes into account the risks associated with its investments without relying solely on the risk being adequately captured by the capital requirements. Risk tolerances by risk type are also set and monitored by the Company. Other business standards set requirements for the quality of investment assets (including setting risk limits to control the market and credit risk within a portfolio), matching of assets to liabilities, diversification of invested assets, use of derivatives, assets not admitted for trading and the consistency of investment mandates with the way the investment proposition is described and marketed to customers of unit-linked contracts.

C.1 Underwriting risk

C.1.1 Exposure

Underwriting risk is the risk of loss or adverse change in the value of liabilities arising from inappropriate insurance pricing, inadequate claims reserving assumptions as well as unforeseen fluctuations in the timing, frequency and severity of insured events relative to the expectations at the time of underwriting. The risk excludes operational risk arising from internal processes in the writing insurance business or settling of claims. The principal life and health underwriting risks that the Company is exposed to are described below:

- Longevity risk: The risk that annuitants may live longer than expected.
- Mortality risk: The risk that more policyholders die than expected, either due to general trends or due to pandemics or other specific events e.g. terrorism. This risk impacts claims on life insurance products.
- Morbidity risk: The risk that either more customers fall sick than expected or customers recover at a slower rate than
 expected. This risk impacts claims on critical illness and income protection products.
- Persistency risk: The risk of adverse financial impact arising from changes in the level, trend, other changes to the term structure or volatility (i.e. variability due to population size) of the rates of policy lapses, terminations, renewals and surrenders (including partial surrenders, reduction in premiums and PUPs).
- Expense risk: The risk that the future costs of managing and administering customer policies are higher than expected.
- Policyholder behaviour: The risk that the number and timing of customers exercising various choices differs from
 expectations e.g. paying additional premiums or extending the length of their policy. Also, the exercise of options,
 guarantees and other embedded product features offer policyholders varying degrees of guaranteed benefits at
 maturity or on early surrender, along with options to convert their benefits into different products on pre-agreed
 terms.

The Company chooses to take measured amounts of underwriting risk provided it has the appropriate core skills to assess and price the risk, and adequate returns are available.

Exposure Measurement

The following measurement and analysis of underwriting risks is undertaken by the Company with appropriate frequency to support management and monitoring of risk exposures:

- Analysis of actual experience against expected experience to support ongoing monitoring of the appropriateness of assumptions;
- Capital calculations, consistent with Solvency II SCR methodology, for principal underwriting risk types. The impact of
 policyholder behaviour linked to the take-up of insurance options and guarantees risk is captured in the capital
 requirements for underwriting risk. An allowance for basis risk in risk transfer arrangements is included, where
 appropriate, in the capital requirements for the underlying underwriting risks;
- Standard stresses for mortality, morbidity, longevity, expense, lapse and policyholder behaviour risks. This output is also used to inform liquidity risk analysis; and
- Combined scenarios considering interest rate falls or rises where adverse experience has the potential to increase or decrease the duration of the liability and financial market falls where there is a likelihood of significantly higher lapses. This output is also used to inform liquidity risk analysis.

The following analysis is undertaken on an annual basis, or more frequently if required, as part of the planning process to support management and monitoring of risk exposures:

- Stress and scenario tests for assumptions that are identified as critical to the profitability and risk profile of the business based on standard stresses;
- An in-force risk profile analysis to understand the guarantee profile of the business looking at minimum interest rate guarantees and other financial and non-financial guarantees;
- Projected liquidity is compared to risk appetite for the base plan and scenarios; and
- Business mix sensitivities to determine how Solvency II capital requirements would move under different plan scenarios.

At 31 December 2017, the underwriting component of the SCR amounted to £4,982 million before diversification and tax.

Changes to risk profile in the reporting period

The main changes in underwriting risk profile during 2017 are:

- An increase in risk exposure following the Part VII transfer of business from the FLL and FLP legal entities into the Company.
- A partially offsetting reduction in risk exposure reflecting additional diversification benefit within underwriting risks arising following the aforementioned Part VII transfer.

C.1.2 Risk mitigation

The individual underwriting risks are mitigated and managed as follows:

- Mortality and morbidity risks are mitigated by use of reinsurance and by the existence of life concentration limits. The Company selects reinsurers from those approved by the Group, based on local factors, and monitors that the aggregation of risk ceded is within credit risk appetite.
- Longevity risk is partly mitigated by use of reinsurance and is monitored against the latest external industry data, emerging trends and likely or possible future trends. The Company monitors exposure to longevity risk and any associated capital implications for its annuity business.
- Persistency risk is managed through frequent monitoring of Company experience, and benchmarked against local
 market information. Generally, persistency risk arises from customers lapsing their policies earlier than has been
 assumed or more customers ceasing to pay regular premiums than has been assumed. The Company also
 implements specific initiatives to improve the retention of policies which may otherwise lapse. The Retention Project
 was launched during 2017 with a specific focus on retaining policyholder funds.
- Expense risk is primarily managed through the assessment of profitability and frequent monitoring of expense levels.

Monitoring the effectiveness of risk mitigation techniques

Implementation of the risk mitigation techniques are discussed and then approved via the Company's governance forums (for example, the Asset and Liability Committee), with ongoing effectiveness being monitored as part of 'business as usual' management information, the Life Insurance Risk Policy attestation process, and periodic Internal Audit reviews, significant findings from which are reported to the Audit Committee.

C.1.3 Risk concentration

The Company's policy on underwriting risks is to avoid concentrations of risk exposure. Underwriting concentration risk is a reflection of too little diversification within or across underwriting risk types. The Company avoids significant concentrations of underwriting risk through its scale, diversity of product lines and concentration risk limits. Risk transfer solutions, primarily through reinsurance, are employed to transfer risks that the Company does not wish to retain due to the presence of single large exposures, accumulations, or limited internal expertise to the external market

Controls are in place to ensure accumulations of risk can be evaluated properly. Counterparty concentration as a result of underwriting activities and reinsurance arrangements and their management and monitoring are considered in section C.3.3.

C.2 Market risk

C.2.1 Exposure

Market risk is the risk of adverse financial impact resulting from changes in fair values or future cash flows of financial instruments due to fluctuations in interest rates, equity prices and property prices. Market risk arises within the Company due to fluctuations in the relationship between the values of liabilities and the value of investments held.

The principal market risk types that the Company is exposed to are described below:

- Equity price risk. The Company is subject to equity price risk arising from changes in the market values of its equity securities portfolio. The most material exposures are to policyholder with-profits and unit-linked funds, which are exposed to a fall in the value of the funds due to increasing costs of policyholder guarantees and falls in the value of annual management charges respectively.
- Equity price volatility risk: The Company is subject to equity price volatility arising from its equity securities portfolio. The most material exposures are within policyholder with-profits funds, for which an increase in the expected future volatility of equity securities increases the costs of policyholder guarantees.
- Property price risk: The Company and its subsidiaries are subject to property price risk directly due to holdings of
 investment properties and indirectly through property collateral on commercial mortgage and equity release
 mortgage loans.
- Inflation risk: Inflation risk arises primarily from the Company's exposure to expense inflation and exposure to inflation-linked benefits within its annuity portfolio.
- Interest rate risk: Interest rate risk arises primarily from the Company's nominal and real yield curve exposure within both assets and liabilities. Interest rate risk also exists for policies that carry investment guarantees on early surrender or at maturity, where claim values can become higher than the value of backing assets when interest rates rise or fall.
- Foreign currency exchange rate risk: The Company is subject to currency risk from financial instruments held in currencies other than Sterling. The Company has branches in other jurisdictions where assets and liabilities are denominated in currencies other than Sterling.
- Derivative risk: The Company is exposed to market risk through its derivative portfolio. Derivatives are used for
 efficient investment management, risk hedging purposes or to structure specific retail savings products.

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• Correlation risk: The Company recognises that lapse behaviour and potential increases in consumer expectations are sensitive to and interdependent with market movements and interest rates. These interdependencies are taken into consideration in the SCR and in scenario analysis.

Measurement

For each of the major components of market risk the Company has put in place additional policies and procedures to set out how each risk should be managed and monitored and the approach to setting appropriate risk limits and tolerances.

The management of market risk is undertaken by the Asset and Liability Management ("ALM") team, which is responsible for monitoring market risk, including the matching of assets and liabilities. Exposures by individual market risk types is monitored through Solvency II capital modelling, sensitivity testing and stress and scenario testing, as well as specific measures for different risk types (for example, duration matching for interest rate risk). Derivative investment activity is overseen by the ALM and Risk teams, which monitor exposure levels and approval of large or complex transactions.

The principal basis used to measure the Company's exposure to market risks is the Solvency II SCR. The sensitivity of the Solvency II balance sheet surplus and coverage ratio are also key measures of exposure, particularly to interest rate movements (as the SCR, risk margin and transitional measures on technical provisions are themselves sensitive to movements in interest rates). In addition, for each risk category, management is responsible for identifying key parameters to be used for risk measurement. For example:

- Shifts in key interest rate-/currency-related parameters relevant to market risk profile (for example term structure shifts, interest rate volatility, drift and correlation, slope and convexity);
- Changes in price level of individual assets or specific asset classes, e.g. equity or property;
- Changes in price volatility of individual assets or specific asset classes;
- Changes in realised and/or implied inflation; and
- Portfolio sensitivities (for example duration).

These parameters are monitored regularly and significant changes included in management information reported to the appropriate management committee.

The Company is exposed to the level of the House Price Index ("HPI") and assumption made about the future growth rate of the HPI on its equity release mortgage portfolio. The level of HPI is monitored and the impact of exposure to adverse HPI is regularly reviewed.

At 31 December 2017, the market risk component of the SCR amounted to £6,853 million before diversification and tax, and inclusive of the SCR related to credit risk from corporate and government bond holdings.

Changes to risk profile in the reporting period

The main changes in market risk profile during 2017 are:

- An increase in equity price risk. A level of strategic hedging was agreed in 2017 which resulted in slightly lower level of equity risk hedging than at 31 December 2016 and hence the exposure to equity price risk has increased.
- An increase in equity implied volatility risk. This arises from increased equity investment in some of the with-profit sub-funds which increase the sensitivity of guarantees to changes in price volatility of equities.
- An increase in risk exposure following the Part VII transfer of business from the FLL and FLP legal entities into the Company.

C.2.2. Risk mitigation

Risk mitigation actions by principal market risk types are described below.

- Equity price risk: Direct equity exposures are limited in line with risk preferences. Investment limits require that the Company holds diversified portfolios of assets thereby reducing exposure to individual entities. The Company actively models the performance of equities through the use of stochastic models, in particular to understand the impact of equity performance on guarantees, options and bonus rates. In the principal with-profits funds, a dynamic hedging strategy is in place which aims to protect the surplus within the funds from adverse changes in asset values, in particular equities. In respect of unit-linked funds hedging is in place to protect the surplus from falls in equity reducing the value of annual management charges.
- Equity price volatility risk: In the principal with-profits funds derivatives are held to reduce the adverse impact on surplus of an increase in equity price volatility.
- Property price risk: Investment in property is subject to investment limits, liquidity requirements and the expectations of policyholders. The financial impact from changes in property values is examined through stress and scenario analysis. Exposure to property risk on equity release mortgages from sustained underperformance in the House Price Index ("HPI") is mitigated by capping loan to value on origination at low levels and regularly monitoring the performance of the mortgage portfolio.
- Inflation risk: Exposure to inflation risk is monitored through Solvency II capital modelling, sensitivity testing and stress and scenario testing. The Company typically manages inflation risk through its investment strategy and, in particular, by investing in inflation-linked securities and through a variety of derivative instruments, including inflation-linked swaps.
- Interest rate risk: The Company typically manages interest rate risk by adopting asset liability matching techniques, including the use of a variety of derivative instruments, to minimise the impact of mismatches between the value of assets and liabilities (including capital requirements) from interest rate movements. Any asset-liability mismatch is

monitored through Solvency II capital measures and interest rate hedges are used to maintain the sensitivity of the Solvency II balance sheet within risk appetite.

- Foreign currency exchange risk: Currency risk from financial instruments held in currencies other than Sterling is limited as nearly all such holdings are backing either unit-linked or with-profits contract liabilities or mitigated by matching liabilities in local currency or hedging.
- Derivatives risk: Collateral is held against derivative transactions. Speculative derivative activity is prohibited. Over the counter ("OTC") derivative contracts are entered into only with approved counterparties, in accordance with the Company's policies. The Company applies strict requirements to derivative administration and valuation processes, and has a control framework that is consistent with market and industry practice.

Monitoring the effectiveness of risk mitigation techniques

In accordance with the Group Financial Risk Mitigation Business Standard, the Company assesses and documents the effectiveness of arrangements in place to mitigate market and credit risks (financial risks). This assessment is initially undertaken when structuring arrangements and prior to execution. The assessment considers impacts on key metrics including measures of risk (primarily Solvency II capital) and financial measures, including cash flow, IFRS operating profit and expenses. Where the initial assessment indicates that the impact on key metrics is material, further assessment is carried out at appropriately regular intervals throughout the life of the arrangement. These assessments typically include stress testing and sensitivity analysis. Transactions aimed at mitigating risk may be considered in aggregate with the relevant risks.

The Company's ALM team is responsible for monitoring the Company's market risk, including the effectiveness of risk mitigation techniques in place. The Company prepares regular management information on hedging arrangements to ensure appropriate oversight.

C.2.3 Risk Concentration

The Company monitors its investment exposures, in aggregate across all classes of financial instruments (debt securities, equities and other investments), to individual issuers, geographies, sectors, and asset classes to ensure the Company is not individually exposed to significant risk concentrations. This includes look-through, where information is available, to the underlying investments held within investment funds. Further information on how the Company manages, monitors and limits investment exposures is included in C.3.3.

C.3 Credit risk

C.3.1 Exposure

Credit risk is the risk of financial loss as a result of the default or failure of third parties to meet their payment obligations to the Company, or variations in market values as a result of changes in expectations related to these risks. Credit risk can provide the returns required to satisfy policyholder liabilities and generate returns for the Company's shareholders. Therefore, the Company is prepared to accept a degree of credit risk based on its credit risk analysis capability and the structural investment advantages conferred to insurers with long-dated, relatively illiquid liabilities.

The principal credit risk categories that the Company is exposed to are as follows:

- Spread risk is the risk that credit spreads over risk-free interest rates change. Credit concerns (improving or worsening) with respect to the issuer and market factors such as risk appetite and liquidity within the market can give rise to a change in credit spread.
- Default risk is the risk that a counterparty is unable or unwilling to meet its financial obligations when they fall due.
- Rating migration risk is the risk that a change in the external credit rating of a counterparty adversely impacts the Company.

Exposure of the Company to credit risk arises principally through the following asset holdings:

- Debt securities, including investments in sovereign and corporate bonds.
- Loans including policy loans, loans and advances to banks and mortgage loans.
- Reinsurance assets. Where the Company has reinsurance arrangements in place, credit risk arises in relation to the reinsurance counterparties.
- Other assets. Credit risk arises in relation to other assets, including structured investments, bank deposits and derivative counterparties.

Measurement

The principal basis used to measure the Company's exposure to credit risk is the Solvency II SCR. In addition, the following factors are used by the Company when measuring credit risk exposure.

- Maximum exposure: The Company's maximum exposure to credit risk of financial assets and reinsurance assets, without taking collateral, credit hedges or reinvestment risk into account, is represented by the carrying value of the financial assets and reinsurance assets recognised in the Solvency II balance sheet.
- Credit ratings: Credit ratings (both internal and external) are used as indicators of credit risk to help determine risk management actions, investment decisions and asset allocation. Loan specific factors: The Company uses loan to value, interest and debt service cover, and diversity and quality of the tenant base metrics to monitor exposures to commercial mortgage loans. The risk characteristics of commercial mortgage loans are assessed before acquisition and are monitored thereafter.

The majority of the Company's credit risk arises from corporate and government bond holdings. This credit risk is reported within the market risk component of the SCR. In addition to this, at 31 December 2017, the counterparty default risk component of the SCR amounted to £456 million before diversification and tax.

Changes to risk profile in the reporting period

The main change in credit risk profile during 2017 is:

- A general increase in risk due to higher asset values on the balance sheet following the Part VII transfers of long-term business from UKA, FLL and FLP into the Company, as described in Section A.1.3.
- A large reduction in counterparty credit risk as a result of the transfer of funds previously passed to BlackRock Life
 Ltd under the terms of a legal reinsurance agreement into tax transparent funds administered by Aviva, as set out in
 section A2.2.
- An increase in exposure to loans secured by infrastructure assets in line with our investment strategy.

C.3.2. Risk mitigation

The Company's approach to managing credit risk recognises that there is a risk of adverse financial impact resulting from fluctuations in the credit quality of third parties including default, rating transition and credit spread movements. The Company implements credit risk management processes including a limit framework (section C.3.3), operates specific risk management committees, and ensures detailed reporting and monitoring of its exposures against pre-established risk criteria.

The Company may also impose ad-hoc restrictions to control exposures. The Company also uses ad-hoc restrictions to reserve certain counterparties for a particular business activity. For example, direct investment in the securities of principal reinsurance counterparties is restricted.

In addition to the risk mitigation techniques described above, specific credit risk mitigation techniques apply to certain portfolios of assets:

- Mortgages are secured by property assets. Further credit risk mitigation is provided by maintaining a diversified portfolio in terms of property type, location, tenants and the spread of loans written over time;
- The Company has significant securities financing operations. The credit risks within this activity are mitigated by over-collateralisation and minimum counterparty credit quality requirements which are designed to minimise residual risk. The Company operates strict standards around counterparty quality, collateral management, margin calls and controls;
- The Company is also exposed to counterparty credit risk through derivative trades. This risk is mitigated through collateralising almost all trades (the exception being certain FX trades where it has historically been the market norm not to collateralise, exchange traded positions and certain swaps with PFI counterparties). Residual exposures are captured within the Company's credit management framework; and
- For unit-linked business the policyholder bears the direct market risk and credit risk on investment assets in the unit funds and the shareholders' exposure to credit risk is limited to the extent of the income arising from asset management charges based on the value of assets in the fund. The exception to this is credit risk on certain reinsured unit-linked business which is borne by the Company.

Monitoring of the effectiveness of risk mitigation techniques

The processes for monitoring the effectiveness of risk mitigation techniques in respect of credit risk and market risk are set out in section C.2.2.

C.3.3. Risk concentration

The Company operates a credit limit framework, which limits investments in individual issuers, geographies, sectors, and asset classes to ensure it is not exposed to significant concentrations of credit risk. Credit concentrations are monitored as part of the regular credit monitoring process and are reported to the Asset and Liability Committee.

Credit limit framework

The credit limit framework is based on three different layers (counterparty, sector and country) and is supported by a number of escalation frameworks which seek to ensure larger and/or higher risk transactions and activities are escalated appropriately. Specific escalation frameworks exist for ALM and investment decisions, and for derivative transactions.

The counterparty limit framework aims to avoid concentrations to single counterparties and to encourage issuer diversification within the portfolio. The limits combine to restrict the total exposure to a single counterparty, both in terms of balance-sheet exposure and shareholder exposure, and within that restrict the amount of high risk assets or exposures that can be held.

Concentration risk is further managed by sector concentration limits which are used to mitigate against, or manage, concentrations to specific sectors, and geographical areas to ensure appropriate geographical diversification and appropriate exposure limits depending on the risk profile of the country.

Significant concentrations

The Company holds a diversified portfolio of assets subject to credit risk due to its internal credit limit framework which limits exposure to individual concentrations of risk.

The Company is exposed to concentrations of risk with individual reinsurers, due to the nature of the reinsurance market. The Company places reinsurance with those reinsurers that have acceptable credit ratings. The Company has a significant reinsurance asset as a result of the quota share reinsurance ceded to All, as detailed in section A.2.1, which is

considered to be an acceptable exposure to a fellow group undertaking. The Company operates a policy to manage its reinsurance counterparty exposures and the impact from reinsurer default is measured regularly, in particular through Solvency II stress and scenario testing.

C.4 Liquidity risk

C.4.1 Exposure

Liquidity risk is the risk that financial obligations to policyholders and other relevant external and internal parties cannot be met in a timely and cost-effective manner as they fall due. Liquidity issues may arise from uncertainty in the value and timing of liabilities as well as uncertainty in the ability to realise assets as cash to meet obligations.

Sources of liquidity risk are those activities or external factors that could alter the liquidity needs and liquidity resources in a stress scenario. The Company is responsible for identifying where liquidity risk exists and the factors that may increase the liquidity risks it faces at either the Company or specific fund level when setting risk appetite. Some examples of sources of liquidity risk are:

- Higher than expected claims. An increase in surrenders (for example a mass lapse event for unit linked business)
 could increase the claims paid in the short term but reduce those in the longer term. In addition, increases in the
 level of annuity claims (for example through fewer deaths than expected) would also increase the claims paid over
 the medium term.
- Collateral and margin calls on derivatives following movements in underlying market values.
- Timing mismatches in cash inflows and outflows including delays in reinsurance settlements and reinsurance defaults, and mismatches between annuity claims and expenses versus investment income and redemption proceeds.

The non-profit fund is particularly susceptible to spikes in liquidity needs, although these spikes are recognised and actively managed to limit their impact on the Company.

Measurement

Liquidity risk appetite is expressed and measured through both absolute level targets and the Liquidity Coverage Ratio ("LCR") which measures the extent to which liquid assets held and stressed inflows are sufficient to meet liquidity requirements over a specified time horizon. The Company has short and long-term risk appetites for legal entities and ring-fenced funds.

Changes to risk profile in the reporting period

• There was a reduction in liquidity risk as a result of the transfer of funds previously passed to BlackRock Life Ltd under the terms of a legal reinsurance agreement into tax transparent funds administered by Aviva (as set out in section A2.2).

There were no other material changes in the Company's liquidity risk profile during 2017, as liquidity is managed gross of the reinsurance arrangement with All.

Sensitivity analysis

Stress and scenario testing, including reverse stress tests, is undertaken by the Company for the purpose of recovery planning and to test the resilience of the business plan. This testing specifically considers impacts on the Company's liquidity position.

C.4.2 Risk mitigation

The Company manages and mitigates its exposure to liquidity risk as follows:

- A liquidity risk appetite is set which requires that sufficient liquid resources be maintained to cover net outflows in a stress scenario.
- Maintenance of undrawn committed borrowing facilities.
- Asset liability matching methodology which optimises asset portfolio maturity structures to ensure cash flows are sufficient to meet liabilities when they fall due.
- Stock-lending of assets, in particular sale and repurchase agreements.

In addition, the Company has access to a contingent funding plan that permits limited borrowing from other companies within UK Life, and may also request additional borrowing from other Group companies (subject to relevant approvals). To pre-empt the need to initiate the contingent funding plan, the Company sets liquidity buffers and triggers to enable action to be taken before target levels are breached.

Monitoring the effectiveness of risk mitigation techniques

In addition to the overall monitoring of the risk mitigation techniques described in the Overview section, the Company monitors the effectiveness of its liquidity risk mitigation as follows:

- Assurance work (e.g. testing) to ensure that controls that enable effective risk management are in place and work effectively.
- Continual monitoring of actual and projected liquid resources and cash inflows and outflows against liquidity risk appetites and liquidity buffers.

C.4.3 Risk concentration

Concentration of liquidity risk can occur if the Company's assets are invested in a limited number of issuers, asset classes and sectors and, in the event of an external shock, market liquidity for these investments disappears and the assets can not be realised for cash. The measures taken to avoid such risk concentrations are set out in section C.3.3.

The diversity of sources of liquidity available to the Company helps reduce concentration of liquidity risk.

C.4.4 Additional information on liquidity risk: Expected Profit in Future Premiums ("EPIFP")

EPIFP is the expected present value of future cash flows which result from the inclusion in technical provisions of premiums relating to existing insurance and reinsurance contracts that are expected to be received in the future. It is calculated as the difference between:

- The net of reinsurance best estimate liabilities of the contract.
- An alternative scenario for the contract under which no future premiums are paid. Excluding the premiums is likely to have an impact on the benefit to be paid. Relevant benefit and expense cash flows are therefore assumed to be on a paid up or lapse basis. Where 'unearned' commission could be clawed back on a paid-up basis, this is also allowed for. However, any penalties on the contract associated with the policyholder making the policy paid up are not taken into account.

The amount of EPIFP was £1,729 million as at 31 December 2017 (2016: £814 million). The increase in the year is predominantly driven by the Part VII transfer of long-term business from FLL and FLP into the Company as described in section A.1.3. Transferred FLL and FLP business represents £739m of the Company's EPIFP as at 31 December 2017.

C.5. Operational risk

C.5.1 Exposure

Operational risk is the risk of loss arising from inadequate or failed internal processes, people and systems, or external events including changes in the regulatory environment. There is a 'risk limiting' preference for operational risk and the aim is to reduce this risk as far as is commercially sensible.

Conduct risk is an aspect of operational risk and is the risk that positive customer outcomes are not achieved. It arises throughout the whole product lifecycle from the development of products and the sales process to servicing policies and handling claims.

Reputational risk can result from operational risk. This is the risk that litigation, employee misconduct, operational failures, the outcome of regulatory investigations, media speculation and negative publicity, disclosure of confidential client information, and inadequate services (whether or not founded) could impact the Company's brands or reputation. The Company's brands or reputation could also be affected if products or services recommended by it (or any of its intermediaries) do not perform as expected (whether or not the expectations are well founded) or if customers' expectations for the product change.

Measurement

The RCSA process, as described in section B.3.1, is used to identify operational risks. The process involves the mapping of identified operational risks to operational processes, the identification of mitigating controls and an assessment of the effectiveness of these controls. A residual risk impact and probability assessment is then performed. Residual impact is assessed quantitatively on the basis of financial loss and misstatement, and qualitatively for reputational and conduct considerations.

To the extent that operational risks cannot be fully mitigated and in recognition of the risk of control failure (i.e. due to ineffectiveness in design or performance), the Company holds capital to cover these risks within the Solvency II SCR.

At 31 December 2017, the operational risk component of the SCR amounted to £1,158 million before diversification and tax

Changes to risk profile in the reporting period

The Company's exposure to risk such as data theft, conduct regulatory breaches and customer service interruption due to IT systems failure increased in 2017 as a result of the following factors:

- The increasing importance to the Company's strategy of digital interaction with its customers and advanced data analytics.
- The increasing cyber security threat, as evidenced by a number of high profile cyber security breaches for corporates in the UK and elsewhere.
- The forthcoming introduction of the EU General Data Protection Regulation (GDPR) legislation.

Given the current global economic and political environment, the Company's exposure to the above factors is expected to remain high in the short to medium term. However, steps are already in place to improve the control framework and take mitigating actions so as to manage this exposure and related potential impacts.

C.5.2 Risk mitigation

Most operational risks are considered preventable and are managed through business controls. The Company's preference is to improve its business processes through reduction of errors and rework, in order to achieve:

- Reduced operational risk and associated losses, hence improving cost to income ratio and lessening variability in financial performance;
- Improved customer outcomes and employee satisfaction;

- Sustained customer confidence; and
- A positive regulatory reputation.

The Group's business standards set out the minimum control objectives and controls that each business area is expected to have in place. Operational risk limits and tolerances act as quantitative boundaries that constrain specific risk-taking activities at an operational level.

The Company records and analyses operational risk events, arising from inadequate or failed processes, people or systems or external events, to ensure remedial action is taken, lessons are learnt and, where the event impacts customers, that they are treated fairly. As well as events that result in losses, this includes risk events which do not give rise to a financial loss, such as near misses or fortuitous gains and also reputational and customer impacts. The lessons learned enable business areas to highlight areas for improvement, implement corrective actions to avoid recurrence, and improve the Company's risk assessment and understanding of operational risk, feeding into the RCSA process.

Monitoring of the effectiveness of risk mitigation techniques

All three lines of defence have an important role to play in monitoring the effectiveness of the controls that are in place in respect of operational risk. More details on the three lines of defence are included in section B.1.1.

C.5.3 Risk concentration

Concentrations of operational risk arise when there is dependency on a single supplier to provide a product or service supporting a business-critical function. The Company is required to identify such business-critical outsourced functions (internal and external) and for each have exit and termination plans and business continuity and disaster recovery plans in the event of supplier failure. These plans are required to be reviewed at least annually.

The Company's operations are spread across a number of geographical office locations helping to ensure continuity of service if a catastrophic event results in an office being out of action. Additionally, the Company has a series of business continuity plans in place for critical functions which should ensure continuity of service to its customers without significant interruption.

Most of the Company's products are sold under the 'Aviva' brand, enabling the Company to leverage the strength of the brand and supporting delivery of the 'True Customer Composite' anchor to its business strategy. The Company is therefore particularly vulnerable to any operational failures that could adversely impact public perception of the 'Aviva' brand.

C.6 Any other information C.6.1 Sensitivity analyses

As set out in the Risk Profile Overview section, the primary basis used by the Company to measure risks is the Solvency II SCR. The Company performs sensitivity analysis and stress and scenario testing in order to understand the impact that changes in underlying risk calibrations (and correlations of those risks) would have on the Company's risk profile and Solvency II coverage ratio. This section describes the sensitivity analyses performed, and section C.6.2 describes the Company's stress and scenario testing.

The sensitivity analyses performed by the Company include consideration of the sensitivity of the Company's Solvency II cover ratio to a range of economic and non-economic assumptions as follows:

Economic assumptions

- 25 and 100 basis point increases and 25 and 50 basis point decreases in the risk-free rate, including all consequential
 changes (including assumed investment returns for all asset classes, market values of fixed interest assets and risk
 discount rates).
- 50 and 100 basis point increases and 50 basis point decrease in credit spreads for corporate bonds with credit rating A at 10-year duration, with the other ratings and durations stressed by the same proportion relative to a stressed capital requirement.
- an immediate full letter downgrade on 20% of the MA assets (e.g. from AAA to AA, from AA to A);
- 10% increase and 10% and 25% decreases in market values of equity assets.

Non-Economic assumptions

- 10% increase in maintenance expenses and investment expenses.
- 10% increase in lapse rates.
- 5% increase in both mortality and morbidity rates for life assurance.
- 5% decrease in mortality rates for annuity business.

All other assumptions remain unchanged for each sensitivity, except where these are directly affected by the revised economic conditions or where a management action that is allowed for in the SCR calculation is applicable for that sensitivity. For example, future bonus rates on with-profits policies are typically adjusted to reflect changes to future investment returns.

Transitional relief on technical provisions is assumed to be recalculated in the interest rate, annuitant mortality and corporate bond sensitivities.

The table below shows the absolute change in cover ratio under each sensitivity at 31 December 2017:

Sensitivities (net of tax and gross of non-controlling interests)		Absolute change in solvency cover ratio excluding fully ring- fenced funds
Changes in Economic Assumptions	25 bps increase in interest rate	1%
	100 bps increase in interest rate	5%
	25 bps decrease in interest rate	(2)%
	50 bps decrease in interest rate	(3)%
	50 bps increase in corporate bond spread	1%
	100 bps increase in corporate bond spread	0%
	50 bps decrease in corporate bond spread	(1)%
	20% of MA assets downgraded by 1 letter rating	(6)%
	10% increase in market value of equity	1%
	10% decrease in market value of equity	(2)%
	25% decrease in market value of equity	(5)%
Changes in Non-economic assumptions	10% increase in maintenance and investment expenses	(8)%
	10% increase in lapse rates	(3)%
	5% increase in mortality/morbidity rates - Life assurance	(3)%
	5% decrease in mortality rates - annuity business	(13)%

Limitations of sensitivity analysis

The table above demonstrates the effect of a change in a key assumption while other assumptions remain unchanged. In reality, there is a correlation between the assumptions and other factors. It should also be noted that these sensitivities are non-linear, and larger or smaller impacts should not be interpolated or extrapolated from these results.

The sensitivity analysis does not take into consideration that the Company's assets and liabilities are actively managed. Additionally, the Solvency II position of the Company may vary at the time that any actual market movement occurs. For example, the Company's financial risk management strategy aims to manage the exposure to market fluctuations.

As investment markets move past various trigger levels, management actions could include selling investments, changing investment portfolio allocation, adjusting bonuses credited to policyholders, and taking other protective action. Other limitations in the above sensitivity analysis include the use of hypothetical market movements to demonstrate potential risk that only represent the Company's view of possible near-term market changes that cannot be predicted with any certainty, and the assumption that all interest rates move in identical fashion.

C.6.2 Stress and scenario testing

Stress and scenario testing (including reverse stress testing) is used to test the resilience of business plans and strategic projects (including material portfolio changes such as those related to products, customers and distributors) and inform decision-making. A series of stress tests are performed to analyse their impact on the Company's solvency. These tests include the Company 1-in-X reference stresses driven by the Company's risk profile as well as several scenarios as part of the Company's Recovery Planning and Liquidity Risk management planning processes.

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D. Valuation for Solvency Purposes

In this chapter

- D.1 Assets
- D.2 Technical provisions
- D.3 Other liabilities
- D.4 Alternative methods of valuation

The 'Valuation for Solvency Purposes' section of the report provides a description of the bases, methods and main assumptions used in the valuation of assets, technical provisions and other liabilities for each material asset and liability class.

Assets and liabilities under Solvency II are valued in accordance with the Company's accounting policies under IFRS as adopted by the European Union (EU), unless stated otherwise in sections D.1 'Assets', D.2 'Technical provisions' and D.3 'Other liabilities'. A summary of the Company's accounting policies can be found in the accounting policies note of the Company's 2017 financial statements.

The table below sets out a summarised balance sheet as at 31 December 2017. It compares assets and liabilities as reported in the financial statements (column a), a reclassified IFRS balance sheet as presented in the balance sheet QRT (column b) and the Solvency II balance sheet (column d).

Where differences are present either in respect of the classification or measurement of assets or liabilities between IFRS and Solvency II, they have been presented in the table below, in columns (c) and (e), and a qualitative description provided for all material items in sections D.1 'Assets', D.2 'Technical provisions' or D.3 'Other liabilities'.

Balance Sheet – IFRS and Solvency II

				IFRS	Variance		Variance
	Note from		IFRS	Reclassified	(b-a)	Solvency II	(d-b)
	financial	SFCR	(a)	(b)	(c)	(d)	(e)
As at 31 December 2017	statements	Note	£m	£m	£m	£m	£m
Assets							
Intangible assets	L & 7	D.1.1	79	79	-	-	(79)
Deferred acquisition costs	X & 18	D.1.2	1,812	1,812	-	-	(1,812)
Investment property	P & 11	D.1.3	5,714	2,143	(3,571)	2,143	-
Participations	M, N, 8 & 9	D.1.4	2,808	24,675	21,867	24,346	(329)
Financial investments	S & 15	D.1.5	189,416	73,467	(115,949)	73,467	-
Assets held for index-linked and unit-linked funds		D.1.6	-	119,713	119,713	119,713	-
Loans and Mortgages	U & 13	D.1.7	24,719	25,059	340	25,023	(36)
Reinsurance recoverables	K & 16	D.1.8	59,252	59,127	(125)	57,934	(1,193)
Cash and cash equivalents	Y & 34(b)	D.1.9	22,415	595	(21,820)	595	-
Receivables (insurance, reinsurance and intermediaries)	17	D.1.10	3,856	454	(3,402)	454	-
Other assets (including prepayments and accrued income)	18(c)	D.1.11	1,297	3,422	2,125	3,422	-
Total assets			311,368	310,546	(822)	307,097	(3,449)
Liabilities							
Technical provisions	I, J, 23 & 24	D.2.1	238,172	236,847	(1,325)	227,494	(9,353)
Provisions other than technical provisions		D.3.1	-	266	266	266	-
Deferred tax liabilities	AA & 28	D.3.2	851	851	-	1,200	349
Derivatives	30	D.3.3	4,582	4,516	(66)	4,516	-
Debts owed to credit institutions	29	D.3.4	150	95	(55)	95	-
Financial liabilities other than debts owed to credit institutions	29 & 30	D.3.4	4,300	4,666	366	4,555	(111)
Insurance and intermediaries payables	30	D.3.4	640	1,833	1,193	1,833	-
Deposits from reinsurers and Reinsurance payables	30	D.3.5	50,306	50,305	(1)	50,314	9
Payables (trade, not insurance)	30	D.3.4	1,452	550	(902)	550	-
Subordinated liabilities	29	D.3.4	1,056	1,056	-	1,116	60
Other liabilities	I, 27 & 31	D.3.6	3,150	2,852	(298)	14	(2,838)
			204 (50	202 027	(822)	291,953	(11.00.4)
Total liabilities			304,659	303,837	(022)	291,933	(11,884)

There are a number of classification differences between the presentation of the balance sheet in the financial statements and the Solvency II balance sheet which have no material net asset impact and therefore no impact on Solvency II measurement. The impact of these changes is shown in column c above. The key reclassifications are as follows:

- Reclassification of £119.7 billion of assets backing unit-linked and index-linked contracts to the Assets held for index-linked and unit-linked funds' category. This includes £109.4 billion shown as financial investments, £6.7 billion classified as cash and cash equivalents and £3.6 billion classified as investment property in the financial statements.
- Reclassification into participations of liquidity funds classified within cash and cash equivalents and financial investments in the financial statements.

A number of valuation differences exist in respect of the assets and liabilities reported in the Company balance sheet under Solvency II compared to IFRS as at 31 December 2017. The nature of the material differences is set out in section D.1 'Assets', D.2 'Technical provisions' and D.3 'Other liabilities'. The net impact of these differences is an increase in net assets of £8.4 billion. This primarily reflects the differences in assumptions and reserving methodology used to value technical provisions under Solvency II compared to IFRS.

D.1 Assets

Assets have been valued according to the requirements of the Solvency II Directive and related guidance; the basis of the Solvency II valuation principle is the amount for which they could be exchanged between knowledgeable willing parties in an arm's length transaction.

A description of the basis of valuation under Solvency II along with valuation differences between the Solvency II bases and the IFRS financial statements, by asset class, is provided below.

The Company considers markets to be active where transactions take place with sufficient frequency and volume for pricing information to be available on an ongoing basis. Where the Company has concluded that markets are not active, alternative methods for valuation are used. Refer to section D.4 for further details on alternative methods for valuation.

D.1.1 Intangible assets

Intangible assets recognised in accordance with IFRS include software intangibles and acquired value in force ("AVIF").

For Solvency II purposes software intangibles are restated at their fair value. The fair value of intangible assets is required to be based on a valuation methodology using market observable inputs. If market observable inputs for an intangible asset are not available it has nil value under Solvency II. The Company's software intangibles are valued at nil in accordance with the Solvency II valuation methodology described above, as no market observable inputs are available.

AVIF is also set to nil in the Solvency II balance sheet and instead the associated cash flows are included in the measurement of Solvency II technical provisions.

D.1.2 Deferred acquisition costs

Deferred acquisition costs valued at £1,812 million for IFRS purposes are set to nil in the Solvency II balance sheet and instead the associated future profit cash flows supporting the deferred acquisition costs are included in the measurement of Solvency II technical provisions.

D.1.3 Investment property

Investment property is measured at fair value for both Solvency II and IFRS purposes. The fair values are assessed by qualified external valuation specialists or by qualified staff and reflect rental income and other assumptions that market participants would use when pricing the investment property under current market conditions. Further information on the valuation of investment properties is included in section D.4.4.

D.1.4 Participations

The Company's participations in related undertakings are valued in the Solvency II balance sheet at the Company's proportionate equity share of the excess of assets over liabilities (valued on a Solvency II basis) of each related undertaking. Liquidity funds (classified within cash and cash equivalents under IFRS) and collective investment schemes (held within financial investments under IFRS) are reclassified into participations under Solvency II.

Under IFRS, subsidiaries, associates and joint ventures are stated at their fair values, estimated using applicable valuation models.

D.1.5 Financial investments

All financial investments, (primarily consisting of debt securities, equity securities and unit trusts), are measured at fair value for both Solvency II and IFRS purposes. Fair value is obtained from quoted market prices or, if these are not available, by using relevant valuation techniques. Further information on financial investments valued using an alternative method to either a quoted market price or a quoted market price for a similar asset is included in section D.4.

D.1.6 Assets held for index-linked and unit-linked funds

Assets held to cover index-linked and unit-linked funds are measured at fair value for both Solvency II and IFRS purposes.

Assets held to cover index-linked and unit-linked funds are classified within their respective individual asset categories in the IFRS balance sheet and combined together as a single total in the Solvency II balance sheet. These balances are therefore reclassified from the individual asset lines to this category for Solvency II reporting purposes.

D.1.7 Loans and mortgages

Loans and mortgages (primarily consisting of mortgage loans including commercial mortgages, equity release mortgages, loans to credit institutions, project finance (PFI) loans and infrastructure loans), are measured at fair value under Solvency II. The valuation technique used is an income approach, which reflects the present value of cash flows the loan is expected to generate calibrated as far as possible to market observable parameters.

Under IFRS the majority of loans are recognised at their fair values. Section D.4 describes alternative methods of valuation applicable to assets in this category.

D.1.8 Reinsurance Recoverables

Reinsurance recoverables are calculated as a probability-weighted average of discounted future cash flows relating to reinsurance contracts, adjusted for the expected losses due to counterparty default. Only reinsurance cash flows that relate to cash flows included in the best estimate liability are included. The difference in value under Solvency II compared with IFRS is driven by the differences in valuation methodology for technical provisions (refer to section D.2.4). All internal reinsurance is valued in the same way as external reinsurance. There is no business reinsured with an external special purpose vehicle ("SPV").

D.1.9 Cash and cash equivalents

Cash and cash equivalents comprise cash at bank and in hand, deposits held at call with banks, treasury bills and other short term highly liquid investments that are readily convertible to known amounts of cash and which are subject to an insignificant risk of change in value. Such investments are those with less than three months' maturity from the date of acquisition, or which are redeemable on demand only with an insignificant change in their fair values. Under Solvency II cash is valued in accordance with IFRS principles.

D.1.10 Receivables (insurance, reinsurance and intermediaries)

Under Solvency II, receivables are held at fair value, being the amount for which they could be exchanged between knowledgeable parties in an arm's length transaction. All the Company's receivables are due within one year. Where receivables are expected to be recovered within one year, the Solvency II fair value is equal to the IFRS carrying value.

D.1.11 Other assets

Other assets consist of prepayments and accrued income which are held at fair value under both Solvency II and IFRS.

D.2 Technical provisions

This section provides a definition of Solvency II technical provisions, the methodology and main assumptions used in the valuation of the Solvency II technical provisions, the total value of Solvency II technical provisions split by material lines of business, a comparison of the valuation of Solvency II technical provisions with IFRS technical provisions and a description of the level of uncertainty in technical provisions.

D.2.1 Definition of Technical Provisions

The value of technical provisions under Solvency II is equal to the sum of a best estimate liability and a risk margin.

The best estimate liability is defined as the probability-weighted average of the present value of future cash flows on a market consistent basis, using the relevant risk-free interest rate term structure after making allowance for the credit risk adjustment and the volatility adjustment ("VA") or matching adjustment ("MA") as required (described in section D.2.2.2).

The risk margin is an allowance for the amount, in addition to the best estimate liability, that a third party (buyer) would expect to receive in order to take over the insurance obligations of an existing entity. It is calculated as the present value of a cost of capital each year in respect of non-hedgeable risks.

Technical provisions also include the transitional measure on technical provisions ("TMTP") which allows firms to transition from the Solvency I liabilities to the Solvency II technical provisions over a period of 16 years from 1 January 2016. This is described in more detail in section D.2.2.1(c).

The following general principles apply to technical provisions valuation:

- The calculation of technical provisions is performed on a going concern basis. This means a proportion of expected future costs (such as general overheads) will be covered by future new business.
- The definition of a "best estimate" assumption is one that represents the expected outcome from the range of possible outcomes for future experience of that assumption and is reasonable and realistic with no deliberate margins for prudence included.

The process and overall methodology for setting assumptions and technical provisions is consistent between funds and has remained consistent following the Part VII transfers. The material changes to assumptions during the year are detailed in the section D.2.2.5.

D.2.2 Technical provisions methodology and assumptions

Technical provisions are calculated in accordance with the Solvency II Directive, Delegated Regulations and regulator guidance. This section describes how the rules and guidance have been applied to the company. Unless otherwise stated the methodology and assumptions apply to all types of business.

D.2.2.1 Methodology

(a) Valuation methodology

Cash flow modelling

A deterministic valuation approach producing point estimates, based on best estimate assumptions and all relevant future cash flows required to settle the life insurance liabilities, is used for most of the business. The exception is for contracts with embedded options and guarantees, in particular with-profits participation business, where a more sophisticated stochastic approach based on the average of a number of scenarios is used. The best estimate liability is calculated separately for cash flows in different currencies. Reinsurance cash flows are modelled as well as cash flows gross of reinsurance.

Future investment returns are also projected in order to determine the value of such items as annual management charges, investment expenses and the value of investment guarantees on with-profits participation business.

Policy grouping

The cash flow projections used in the calculation of the best estimate liability for life insurance business are made separately for each policy with the exception of some participation business where policies are grouped.

Minimum technical provision per policy

Technical provisions for insurance contracts are allowed to be negative where future cash in-flows are expected to exceed future cash out-flows.

The technical provisions of an insurance or reinsurance contract may be lower than the surrender value available to the policyholder of the underlying contract.

Contract boundaries

The calculation of the best estimate liability allows for any boundaries of the insurance contract. A boundary exists where the insurance undertaking has a unilateral right to: terminate the contract; reject premiums payable under the contract; or amend the premiums or benefits payable under the contract at a future date in such a way that the premiums fully reflect the risks. Any obligations which relate to cover which may be provided after that date do not belong to the contract, unless the undertaking can compel the policyholder to pay the premium for those obligations.

An immediate contract boundary applies to unit-linked regular premium savings and pensions policies which do not have material risk benefits or guarantees.

Unit-linked policies invested in charge capped funds are treated as having an extended contract boundary which includes expected future premiums. As a consequence, auto-enrolment default funds, stakeholder pensions and products with voluntary charge caps (set at a similar level to stakeholder pensions) are considered to have an extended contract boundary. This also applies to some classes of unitised with-profits business.

Where contract boundaries are applied, these contracts are treated as paid-up at the valuation date. The expense and lapse assumptions are reviewed to ensure that they are appropriate to the restricted contract boundary.

Financial options and guarantees

Where options and guarantees are contract features, a stochastic approach to valuation is used, unless the risk is immaterial or there is insufficient data to calibrate the model. There are a small number of guarantees not modelled within the stochastic model for which the expected cost of guarantees is based on the results for similar products where guarantees are modelled. For some relatively small blocks of business with guaranteed annuity options that are not modelled stochastically, it is assumed that a high proportion of the guarantee is taken up. Where policy guarantees (e.g. unit-linked Guaranteed Fund investment guarantees) mean that persistency is likely to be higher, a lower assumed lapse rate is used to reflect this, and an additional reserve is determined stochastically to reflect the time value of the investment guarantee. A small additional reserve is held to cover options to renew/convert existing protection policies at normal premium rates.

Management actions

As part of the best estimate assumptions, the actuarial and statistical methods used to calculate the technical provisions take account of future management actions. These actions reflect what management would reasonably expect to carry out in the circumstances of each scenario over the duration of the projection.

A wide range of future management actions is incorporated into the technical provisions. The types of future management actions are not restricted provided they meet the objective, realistic and verifiable standards in Solvency II.

Management actions are typically limited to:

- Changes in asset allocation;
- Changes in regular and final bonus rates;
- Changes to market value reduction factors and surrender bases;
- Changes to the target payout ratio; and
- Changes in assumed distributions from the fund.

The impact of any assumed management actions on other assumptions is taken into account within a certain valuation scenario. In particular, the effects of management actions on policyholder behaviour or on the related expenses are taken into account. Future management actions allow for relevant legal or regulatory constraints.

The Company produces, at least annually, a future management action plan, which is updated and signed off by the board. This action plan covers a number of areas including:

- The identification of actions that are relevant to the valuation of the technical provisions.
- The identification of specific circumstances in which the actions would or would not be able to be carried out.
- The order in which the actions would be carried out, and the applicable governance requirements.
- Ongoing work required to ensure that the undertaking is in a position to carry out the actions.
- Description of how the actions have been reflected in the calculation of the best estimate liability including a quantitative impact on the best estimate liability.
- Description of the applicable internal reporting procedures for the actions implemented in the calculation of the best estimate liability.

Basis, methods and assumptions applicable to particular classes of business

Unit-linked business

Unit-linked business is valued as the face value of the units at market bid price, together with allowance for non-unit cash flows, including mortality and other claim benefits, future expenses and policy charges. Allowances are included where appropriate for loyalty bonus and for waiver of premium benefits, permanent health benefits, permanent total disability benefits and guaranteed insurability options.

Non-unit reserves are calculated by projecting cash flows on a monthly basis for each month that the policy is expected to remain in force. Explicit allowance is made for future commission where appropriate. Allowance is also made for the promise that the Company made to policyholders that the charges on certain pensions policies will not exceed 1% p.a. in any future year.

A non-unit reserve is determined along similar lines for unitised with-profits business where the investment liability arises in a with-profits fund, but other policy benefits, charges and expenses arise in the non-profit funds.

On 7 December 2017 the PRA issued feedback to life insurers expressing a preference for unit liabilities included within technical provisions to be reported within technical provisions as a whole on the Solvency II Balance Sheet. This was not a mandated approach and has no impact on the measurement of own funds or of technical provisions. The Company has continued to present the unit liabilities within best estimate liabilities in line with the approach adopted in previous years.

Participating business

The best estimate liability for participating business is the sum of the "With Profits Benefit Reserve" ("WPBR") and "Future Policy Related Liabilities" ("FPRL"). Shareholder transfers do not form part of the technical provisions but are required to determine the amount of restricted Own Funds for ring fenced funds (see section E.1.6).

For the majority of participating business, the WPBR is an "asset share" calculated on an individual policy (or increment) basis. The asset share is generally calculated on a retrospective basis, and represents an accumulation of premiums plus investment return less charges, claims, and other sources of profit or loss in line with the fund's rules.

For a small proportion of business, where asset shares are not currently calculated, or where they are unreliable as a starting point for deriving future bonuses, a prospective method is used, such as the bonus reserve valuation ("BRV"). BRVs are the discounted value of future expected benefits and expenses, using risk-free earned and discount rates along with best-estimate assumptions for other basis items such as lapses and mortality.

The present value of the expected costs of any payments in excess of the WPBR is referred to as the FPRL. For the purposes of valuing the FPRL, a stochastic simulation approach is adopted. This covers all guarantee types in the With-Profits funds, including:

- Maturity guarantees;
- Guarantees on surrender, including no-MVR guarantees and guarantees linked to inflation;
- Guaranteed annuity options;
- Guaranteed minimum pension ("GMP") underpin on section 32 transfers; and
- Expected payments under the Mortgage Endowment Promise

The same best estimate liability of participating business described above can also be expressed as the sum of the guaranteed benefits plus discretionary benefits. The value of guaranteed benefits represents the value of the minimum benefits that have to be paid out on a contract, whereas the discretionary benefits represent the value of any anticipated future non-quaranteed bonus or final bonus.

Group Protection

For group protection contracts, the total best estimate liability consists of an unearned premium reserve; an outstanding claims reserve (consisting of 'incurred but not reported' and 'reported but not paid' reserves) and a premium deficiency reserve.

The unearned premium reserve is that portion of the policy premium that has not yet been "earned" by the Company because the policy still has some time to run before the renewal date.

The incurred but not reported reserve is the claims that have been incurred at the reporting date but have not yet been reported to the insurer. The size of this reserve is estimated based on the past history of claim reporting delays in the portfolio.

The reported but not paid reserve is the claims that have been reported at the reporting date but not yet been paid by the insurer.

A premium deficiency reserve is recognised when the unearned premium reserve is insufficient to cover the risks associated with the unexpired policies.

The liability for current group income protection claims in payment is the discounted value of future claim payments, with any benefit escalation explicitly allowed for. In addition, claim expenses are valued explicitly for all contracts where the policyholder is currently claiming a benefit.

Ring fenced funds ("RFFs")

The treatment of cash flows between RFFs (e.g. with-profits funds) and other funds is also taken into account. For example:

- Where there is an expense charging arrangement between a with-profits fund and a non-profit fund the technical provisions in the with-profits fund are on a fees basis and a technical provision in relation to the excess of fees over expenses (typically negative) is held outside the with-profits fund in the non-profit fund.
- Where with-profits business is written on 100:0 basis and the shareholder is exposed to annual management charges less expenses ("C-E") on this business, the C-E cash flows are reflected in the non-profit fund and all other cash flows are reflected in the with-profits fund.
- Where internal reinsurance exists on with-profits policies, which allocate pre-defined sources of surplus between a with-profits fund and a non-profit fund, the cash flows modelled in each fund will follow the pre-defined formula as defined in the with-profits scheme rules.

The technical provisions take into account all payments to policyholders (and beneficiaries) including future discretionary bonuses consistent with paying out the asset share of the policies, whether or not those payments are contractually quaranteed.

Future cash flows are split into guaranteed and discretionary benefits because the loss absorbing capacity of technical provisions is limited by the technical provisions relating to the future discretionary benefits.

In line with Solvency II requirements, technical provisions exclude payments representing surplus funds. As a consequence, for with-profits business, in line with guidance received from the PRA, only future benefits arising from enhancements that are fully consolidated into asset shares have been assumed in the calculation of the technical provisions.

Reinsurance accepted

Reinsurance accepted is valued in the same way as direct written business using a discounted cash flow approach.

(b) Valuation components

Cash flows in scope

For life insurance obligations (lines of business 29-32), all cash flows (including any charges related to embedded options) required to settle the insurance liabilities over their lifetime are taken into account.

The table below summarises the main cash flows that are modelled:

Gross cash in-flows	Gross cash out-flows
Future premiums (gross of commissions and policyholder tax). Annual management (and other) charges in Unit Linked Business.	Benefits including: Claims payments, Maturity benefits, Death and critical illness benefits, Disability benefits, Surrender benefits, Annuity payments, Profit sharing bonuses.
	Expenses including administrative expenses, investment management expenses, claims management expenses (direct and indirect), acquisition expenses including commissions which are expected to be incurred in the future, renewal commission.
	Other items which are charged to policyholders (or required to settle the obligations): Taxation
Reinsurance cash in-flows	Reinsurance cash out-flows
Reinsurance recoveries in respect of gross claims/benefit payments. Reinsurance commissions including profit commissions. Floating leg payments in respect of longevity swaps.	Future reinsurance premiums (including adjustment premiums and reinstatement premiums). Commission. Reinsurance refunds. Fixed leg payments in respect of longevity swaps.

Future premiums

Future premiums are projected using persistency assumptions and contract boundaries appropriate to each class of business. Premium levels will also reflect the impact of other decrements such as mortality.

Death and other claim benefits

Death and other claims benefits are projected using decrements appropriate to each class of business, including persistency, mortality and morbidity.

For deferred annuity products, the value of any benefit payable on death during the deferred period is added to the value of the deferred annuity. For deferred annuities continued beyond the normal pension age, the cash available at the normal pension age is accumulated with interest.

For contracts which have fixed benefit increases the valuation provides for these increases within the discounted cash flow method.

Annuity payments

The conventional immediate and deferred annuity business is valued by discounting future benefit payments with an allowance for mortality, including future improvements in mortality. Where the benefits are linked to inflation, a market implied inflation curve is used in projecting the future annuity payments, applied in line with policy terms and conditions.

Tax

The best estimate liability includes tax payments charged to policyholders or those which are required to settle the insurance liabilities. This includes the Basic Life Assurance and General Annuity Business ("BLAGAB") tax on investment income less expenses ("I-E") but tax on company profits is not included. Policyholder tax is modelled as a separate cash flow rather than implicitly.

For most lines of business, future tax on I-E is based on a deterministic model. For the with-profits participation business, where a stochastic liability model is used, the tax calculation is based on the average I-E over a range of scenarios.

Reserves are established (or credit is taken) for charges to funds reflecting tax on unrealised gains (or losses) for unit-linked business as part of the unit-linked liabilities.

Options and guarantees

The most material options and guarantees are in the Company's with-profits funds. The valuation methodology for these is covered in section (a) above.

Reinsurance cash flows

The valuation of reinsurance cash flows is not a component of technical provisions. However, the value is included within Reinsurance Recoverables in the balance sheet (see section D1.8).

(c) Transitional arrangements (unaudited)

Insurers need to hold capital to ensure that they can pay claims and their obligations in extreme scenarios. At the end of 2015 the regulations governing this changed from the previous Solvency I capital regulations to new Solvency II capital regulations. In order to avoid unnecessary disruption to insurers from 'transitioning' between these two capital regimes, a number of transitional arrangements were created, including the TMTP.

The TMTP is applied as a reduction to the Solvency II technical provisions and applies over a period of 16 years starting from the 1 January 2016, with its use requiring approval from the Prudential Regulatory Authority (PRA). In certain situations, and subject to PRA approval, the TMTP can be recalculated to capture significant changes in a business's 'risk profile'. During 2017 the Company has had three approved TMTP recalculations, specifically:

- On 1 January 2017, the TMTP was recalculated reflecting the Part VII transfer from UKA.
- On 1 October 2017, the TMTP was recalculated reflecting the Part VII transfer from FLL and FLP.
- On 31 December 2017, the TMTP was recalculated reflecting the mandatory recalculation required every two years following the initial calculation on January 2016.

The most material of these recalculations was the Part VII transfer of business from FLL and FLP, which resulted in a £729m increase in the Company's TMTP.

The calculation is done in two parts:

- 1. An unrestricted TMTP is derived for business written prior to 1 January 2016 as the difference in the following two amounts:
 - The technical provisions on a Solvency II basis, including the impact of the MA and VA where applicable, and after deduction of amounts recoverable from reinsurance at the valuation date;
 - The Solvency I Pillar 2 (ICA) technical provisions, after deduction of the amounts recoverable from reinsurance and allowing for any relevant individual capital guidance (ICG) at the valuation date.
- 2. If necessary the TMTP is restricted to ensure that the Solvency II financial resources (defined as the sum of the Solvency II technical provisions and other non-technical liabilities after application of the unrestricted TMTP and the SCR) are no lower than the most onerous of the Solvency I Pillar 1 financial resources and Solvency 1 Pillar 2 financial resources (defined as the sum of the technical provisions, other non-technical liabilities, SCR plus any relevant ICG).

The impact of removing the TMTP is set out below:

31 December 2017	Including TMTP (A)	Setting TMTP to zero (B)	Impact of removing TMTP $(C) = (B) - (A)$
Technical Provisions	227,494	230,646	3,152
Basic Own Funds	14,030	11,315	(2,715)
Eligible Own Funds to meet SCR	14,030	11,315	(2,715)
SCR	9,219	9,656	437
Eligible Own funds to meet MCR	13,755	11,062	(2,693)
MCR	2,305	2,414	109

The impact from the TMTP on SCR arises because the TMTP reduces liabilities, which generates a corresponding deferred tax liability. The SCR represents a 1-in-200 loss scenario, and may be reduced by the deferred tax asset created by the loss to the extent that there are sufficient liabilities to offset the loss. The TMTP deferred tax liability can increase the tax relief on the SCR, and therefore removal of the TMTP may increase the SCR.

D.2.2.2 Assumptions

The definition of a "best estimate" assumption is one that represents the expected outcome from the range of possible outcomes for future experience of that assumption and is reasonable and realistic with no deliberate margins for prudence included.

The table below summarises the main assumptions used in the calculation of the best estimate liability:

Economic Assumptions	Non-Economic Assumptions
Risk-free rates	Assured mortality
Credit risk adjustment	Critical illness (morbidity) rates
Matching adjustment	Annuitant mortality
Volatility adjustment	Persistency
Reinsurance counterparty default allowances	Guaranteed annuity option take-up rates
Expense inflation	Expenses
Tax	Income protection inception and termination rates
Asset volatility and correlations (with-profits	
business only)	

Economic assumptions are reviewed quarterly while non-economic assumptions are reviewed at least on an annual basis to ensure that these remain appropriate, relevant and realistic. The choice of assumptions is validated through experience analyses and, where available and appropriate, benchmarked against external sources.

Approximations are employed where credible data is unavailable, predominantly for small blocks of business or assumptions considered to be relatively immaterial.

(a) Economic assumptions

The economic assumptions for all lines of business are set out in the sections below. The basic risk-free rate curves used to value the technical provisions reflect the curves, credit risk adjustment ("CRA"), volatility adjustment ("VA") and fundamental spread ("FS") for the matching adjustment ("MA") published by EIOPA.

Risk free discount rates

The GBP and EUR risk-free rates at key durations, used to value the technical provisions at full year 2017 are stated in the table below. The figures shown below allow for a CRA of 10 bps on GBP and 10bps on EUR.

Risk-free rates	1 year	5 years	10 years	15 years 2	20 years 4	10 years
GBP	56	94	119	133	138	124
EUR	(36)	21	80	118	136	245

Where swaps do not exist, or are not sufficiently liquid or reliable from a certain point, the basic risk-free interest rate is extrapolated in a smooth progression. EIOPA has prescribed by currency the entry points for extrapolation, the duration to convergence and the ultimate forward rate, as shown in the table below.

	Entry point for extrapolation of risk-free	Duration to convergence to ultimate forward rate	
Currency	rates (years)		Ultimate forward rate pa
GBP	50	90	4.20%
EUR	20	60	4.20%

Volatility adjustment

The volatility adjustment ("VA") is intended to reflect temporary distortions in spreads caused by illiquidity in the market or extreme widening of credit spreads. The VA reduces technical provisions by increasing the discount rate used to calculate the best estimate liability. VAs are prescribed by EIOPA on a currency and country basis.

The PRA has approved the application for the VA to be applied in the Company. The VA is applied to all those liabilities where a MA is not applied, with the exception of unit-linked business and business originally written in the FLP heritage company, where no application was made.

The VAs used at 31 December 2017 are shown in the table below.

Volatility adjustment (bps)	31 December 2017
GBP	18
EUR	4

The impact of Long Term Guarantees and Transitional measures is disclosed in QRT S.22.01.04 using a step-by-step approach. The impact of setting the VA to zero is set out below:

		With VA	Impact
	Including VA	set to zero	of removing VA
31 December 2017 £m	(A)	(B)	(C) = (B) - (A)
Technical Provisions	227,494	228,000	506
Basic own funds	14,030	13,923	(107)
Eligible Own Funds to meet SCR	14,030	13,923	(107)
SCR	9,219	9,299	80
Eligible Own Funds to meet MCR	13,755	13,652	(103)
MCR	2,305	2,325	20

Note that the quantification of the impact of setting the VA to zero includes the MA but is after the removal of the TMTPs.

Matching adjustment

The matching adjustment ("MA") is an increase applied to the risk-free rate used to value insurance liabilities where the cash flows are relatively fixed (e.g. no future premiums or surrender risk) and are well matched to assets that are intended to be held to maturity and have cash flows that are also relatively fixed. The intention is that, if held to maturity, the business can earn the additional yield on these assets that relates to illiquidity risk.

The PRA has approved the application for MAs to be applied in five matching adjustment portfolios ("MAPs") in the Company.

The MAs used for 31 December 2017 are shown in the table below. The MA shown below applies to technical provisions net of reinsurance retained in the MA portfolio.

	UKA	FLL	FLL	FLL	
Matching adjustment (bps)		NPF	WPF	WL	FLP
				WPF	
GBP	130	94	77	36	76

The MA is derived from the spread over risk-free on the assigned portfolio of assets, net of an allowance for default and downgrade (known as the fundamental spread). The fundamental spreads applied are prescribed by EIOPA.

The table below shows the asset classes that are considered to be eligible for the MA portfolio, with the market value of those assets used for the MA calculation. The table below includes the deposit withheld assets in respect of the All reinsurance arrangement.

31 December 2017 Market Value (£m)				Total eligik	ole assets
	UKA	FLL NPFFL	L FP WPF	FLL WL WPF	FLP
UK Government bonds	1,924	1,277	65	9	569
Overseas Government and Supranational bonds	913	121	80	0	53
Corporate bonds	13,536	6,199	1,373	11	1,815
Commercial mortgages	7,863	618	-	-	-
PFI loans and infrastructure	4,584	292	-	-	66
Equity release fixed rate note	6,451	-	-	-	-
Other	1,653	600	102	2	188
Total	36,924	9,107	1,620	22	2,691

Equity release mortgage assets meet the criteria for inclusion within the MA when they are securitised into an internal SPV, which then issues a fixed coupon note (equity release fixed rate note) secured by those assets to the MA portfolio of the Company. The equity release mortgage assets that have been restructured in this way do not meet the IFRS derecognition criteria and are therefore still presented on the IFRS and Solvency II balance sheets.

Commercial mortgages, Private Finance Initiative ("PFI") and infrastructure loans and the equity release fixed rate notes eligible for inclusion within the MA are assigned a fundamental spread based on an internal credit rating set in accordance with the internal rating methodology framework.

The impact of Long Term Guarantees and Transitional measures is disclosed in QRT S.22.01.04 using a step-by-step approach. The quantification of setting the MA to zero is set out below:

			Impact
	Including MA	With MA set to zero	of removing MA
31 December 2017	(A)	(B)	(C) = (B) - (A)
Technical Provisions	227,494	231,933	4,439
Basic Own Funds	14,030	9,768	(4,262)
Eligible Own Funds to meet SCR	14,030	9,768	(4,262)
SCR	9,219	12,590	3,371
Eligible Own Funds to meet MCR	13,755	9,662	(4,093)
MCR	2,305	3,148	843

Note that the quantification of the impact of setting the MA to zero is after the removal of TMTPs and the setting of the VA to zero. In practice the impact may be lower if the Company were able to apply the VA in place of the MA should the latter no longer be available.

Reinsurance counterparty default allowances

Reinsurance counterparty default risk for both internal and external counterparties is allowed for in calculating the best estimate liability. Reinsurance counterparty default in the best estimate liability depends on:

- the probability of default based on the credit rating of the counterparty and the year of projection; and
- the recovery rate which is a constant over time, but varies by reinsurer.

Expense inflation

Future expense inflation is based on a future inflation RPI curve. Expenses are generally assumed to increase in line with RPI. Where future increases are specified in expense agreements, the assumption reflects the terms of that agreement.

Investment management expenses are assumed to vary in line with the projected change in funds under management.

Tax

The tax assumptions used at 31 December 2017 are shown in the table below.

Parameter	31 December 2017
Corporation tax (current year)	19.25%
Corporation tax (future profits)	17%
Policyholder tax	20%

For BLAGAB business, a rate of taxation of 20% has been assumed in respect of income on fixed interest stock and property. Indexation of 2/3^{rds} of the market-implied future RPI rate has been allowed for in projected capital gains before applying the 20% rate for BLAGAB business. No allowance has been made for taxation on UK equity income because income is received net of tax, and there is no allowance for capital gains within the equity yields used. No allowance has been made for policyholder taxation in respect of Gross Roll-up and PHI business because no policyholder tax is charged on this business.

The corporation tax rate for shareholder transfers is set at 19.25% at 31 December 2017.

Asset volatility and correlations

The following volatility assumptions are required to value the with-profits participation business in the stochastic model:

- Equity volatility Equity volatility is calibrated to equity implied volatility. The approach to calibration is to capture the volatility of the longest available option term.
- Bond volatility The model allows for the extra volatility in corporate bonds compared to that in Government bonds as a result of credit risk.
- Property volatility Property is modelled as an equity type asset using a constant volatility model.

Correlations between asset returns are targeted to best estimate assumptions. These targets have been derived by considering historical behaviour.

(b) Non-economic assumptions

Mortality/morbidity assumptions

The mortality and morbidity assumptions define the proportion of policyholders expected to die or experience a critical illness each year. Assumptions comprise:

- A percentage of base table mortality rates which define the probability of policyholders claiming over the one-year period following the start of the model projection.
- Projection factors which determine the change in base rates in future years of the projection. For mortality, this is generally a reduction in future years.

For Accelerated Critical Illness ("ACI") models, a single assumptions set is used for claims due to critical illness or death. For Stand Alone Critical Illness ("SACI"), the assumption is for claims due to critical illness only. For both ACI and SACI a future deterioration factor (rather than an improvement factor) is currently used.

The primary source of data for setting base assumptions is analysis of the Group's own experience. Publicly available data from the Continuous Mortality Investigation ("CMI") on mortality experience across the industry is also considered. The experience analysis compares actual claims over the investigation period with those predicted by the assumptions that applied for that period. The analysis is carried out for sub-divisions of the business and is supplemented by the inclusion of exposure figures to indicate the credibility of the results.

The base tables used are typically the industry standard Txx08 tables for life protection policies, ACxx08 tables for critical illness protection policies, ELT15 tables for funeral plans and Axx00 tables for savings policies. Different tables apply to males and females and to smokers and non-smokers for products where the smoker status is known.

For Group Protection business mortality and morbidity assumptions reflect scheme underwriting.

Annuitant Mortality

Recent mortality experience is regularly reviewed in order to set assumptions. The investigations carried out cover the majority of the Company's annuity business and are performed on both a lives and an amounts basis.

Annuitant mortality assumptions are required for both deferred annuity and in-payment annuity business and fall into three main categories:

- base tables
- · adjustments to base tables
- future improvements

Base tables describe the current levels of mortality. The base tables are different for males and females and may include an adjustment for anti-selection that varies by individual year of entry.

For most annuities in payment these are expressed as a percentage of PCMA2000 and PCFA2000. The percentage of these tables applied is based on analyses of recent experience for each of the main cohorts of business originally sold through different companies and vary by age.

Adjustments to base tables include allowances for policyholder or scheme specific factors.

For the largest portfolio of pensions annuity business transferred from Aviva Annuity UK Limited, the underlying mortality assumptions for Males are 105.5% of PCMA00 (2016: 99.5% of PCMA00) with base year 2000; for Females the underlying mortality assumptions are 96.0% of PCFA00 (2016: 92.5% of PCFA00) with base year 2000. A negative provision of £0.05billion is also held to allow for higher mortality at old ages being experienced in our portfolio relative to the above assumptions.

For the largest portfolio of pensions annuity business transferred from Friends Life Limited, the underlying mortality assumptions for Males are 105.0% of PCMA00 (2016: 100.0% of PCMA00) with base year 2000; for Females the underlying mortality assumptions are 105.0% of PCFA00 (2016: 100.0% of PCFA00) with base year 2000.

For all the main portfolios of annuities, improvements are based on 'CMI_2016 (S=7.5) Advanced with adjustments' (2016: CMI_2015) with a long-term improvement rate of 1.75% (2016: 1.75%) for males and 1.5% (2016: 1.5%) for females. The CMI_2016 tables have been adjusted by adding 0.25% and 0.35% to the initial rate of mortality improvements for males and females respectively (to allow for greater mortality improvements in the annuitant population relative to the general population on which CMI_2016 is based), and uses the advanced parameters to taper the long-term improvement rates to zero between ages 90 and 115 (the 'core' parameters taper the long-term improvement rates to zero between ages 85 and 110).

For pension annuity business transferred in from Aviva Annuity UK limited, year-specific adjustments are made to allow for potential selection effects due to the development of the Enhanced Annuity market and covering possible selection effects from pension freedom reforms. Impacts to the technical provision are described in section D.2.2.5.

Persistency assumptions

Recent persistency experience is reviewed annually to assist with setting assumptions for the continuation of premiums being paid by policyholders and for the number of policies remaining in force. In addition, consideration is given to factors that may cause future experience to differ from past experience such as changes to pensions regulations.

Assumptions are set by product, and vary based on expected experience, which may vary by duration, age and size of policy.

Lapse rate assumptions for unit-linked business combine transfers and early retirements. Individual business includes personal pensions, executive personal pensions and individual stakeholder. Group business includes group pensions and designer stakeholder.

Guaranteed annuity option take-up rates

The guaranteed annuity option ("GAO") take-up rates define the proportion of policyholders expected to exercise the guaranteed annuity option at maturity. The take-up rates are set based on current experience, and are assumed not to change in the light of future economic conditions, as the guarantees are significantly in the money already.

Expense assumptions

The best estimate liability for future expenses is a combination of the following elements:

Administrative expenses;

- Claims management expenses / handling expenses;
- Acquisition expenses, but only to the extent that they are incurred on existing business after the valuation date;
- Commissions which are expected to be incurred in the future;
- Reserves for certain exceptional and project costs;
- Investment management expenses, which are expressed as a percentage of funds under management.

These allowances cover all expenses arising within the Company and from the Company's three management services companies: UK Life Services Limited ("UKLS"), Aviva Management Services UK Limited ("AMSUK"), and Aviva Administration Limited ("AAL"), and also in respect of the outsourcing agreements on certain business between the management services companies and the outsourcing companies, and the investment management agreements with Aviva Investors.

Where a defined charge is specified in the Management Services Agreement between the Company and the service company or the outsourcer, it is generally assumed that this charge will continue on an ongoing basis. Where no defined charge is specified, it is assumed that the full cost incurred by the service companies in managing the policies will be charged to the Company, so the best estimate expenses is based on an estimate of the underlying costs to the service companies.

Other assumptions

Income Protection

Income protection is modelled using claim inception and termination rates based on CIDA 85 tables and CMIR 12 tables respectively, with adjustments based on the historical experience of the portfolio for appropriate rating factors.

Events not in data ("ENID")

The term ENID refers to any events not deemed to be captured by the data, which need to be allowed for within the best estimate calculation to allow for the uncertainty in the future cash flows. ENIDs are considered both at line of business level, and at portfolio level with allocations to lines of business, depending on the scenario being considered.

The Company considers ENID through either adjusting the best estimate assumptions to ensure the likely impact of the event is included or using a scenario approach where they are expected to be material. Expert judgement is applied to determine the expected impact on future experience.

(c) Consistency of assumptions

The calculation of the best estimate liability requires a number of projection assumptions to be used. These assumptions are consistently reflected in both the valuation of technical provisions and the calculation of the SCR where necessary.

There are also a number of modelling dimensions across which consistency is ensured. These include using the same asset and liability data for both the SCR calculation and the technical provision valuation and ensuring that the calibrations and calculations used are consistent across the Internal Model. There are a number of specific areas of consistency:

- Insurance risk factor calibrations are often based on estimates of uncertainty, for example predicting future mortality rates for longevity risk. The same methodology is used to calibrate this uncertainty as is used to calculate the best estimate of liabilities i.e. reflecting the base mortality levels and future mortality improvement factors.
- In order to value the reinsurance recoverables for technical provisions, assumptions are set for the rate of external reinsurer counterparty default. These assumptions are aligned with the counterparty default rates used in the credit portfolio model to calculate the probability of default for credit risk exposures.

D.2.2.3 Risk margin methodology (unaudited)

The risk margin is calculated for the Company using a Cost of Capital ("CoC") approach allowing for diversification between lines of business and is on a net-of-reinsurance basis. The CoC rate is the cost in excess of the risk-free rate, to a third party taking over the liabilities, of raising and holding capital to support the non-hedgeable risks over the lifetime of the business. The same CoC rate is used for all insurance companies and is prescribed by EIOPA at 6% per annum.

The risk margin is underpinned by the non-hedgeable SCR ("nhSCR"). This takes into account the following risks:

- Life underwriting risk.
- Health underwriting risk.
- Counterparty default risk with respect to reinsurance contracts, arrangements with debtors and any other material exposures which are closely related to the insurance obligations.
- Operational risk.

The Company has no material non-hedgeable market risk to include.

The rate used to discount the projected nhSCR is the basic risk-free rate (including credit risk adjustment), with no allowance for volatility adjustment or matching adjustments.

Projection of the SCR

The Company adopts a mix of approaches to non-hedgeable risk projections. For some risks the projected run-off is exact and no approximation is made. For others the Company makes use of risk carriers, where a suitable statistic is chosen which can be readily projected and used as a proxy.

The projected risks are then aggregated using a correlation matrix approach at each future time period to derive the nhSCR. Adjustments are made to reflect the differences between the correlation matrix approach and the Internal Model.

Diversification

The risk margin allows for diversification as follows:

- Diversification is taken into account at the Company level.
- No diversification is assumed between RFFs and the rest of the business.
- Diversification between a MA portfolio and the rest of the non-MA business within that fund is permitted, except for the business still using the Standard Formula.

Loss absorbing capacity

The loss absorbing capacity of technical provisions assumed in the calculation of the nhSCR is consistent with the loss absorbing capacity of technical provisions assumed in the calculation of the SCR. No allowance for the loss absorbency of deferred taxes is included in the risk margin.

Allocation of the risk margin to Solvency II lines of business

The risk margin is allocated to line of business using an approximate approach.

D.2.2.4 Simplified methods

Simplified methods are used only where it would be disproportionate to apply an accurate method and where the impact on the technical provisions is not material. Examples of where simplifications have been applied are:

- For options and guarantees that are considered to be immaterial, alternative methods such as closed form
 approaches or a series of deterministic projections are used to calculate the liability. This is based on the results for
 similar products where guarantees are modelled stochastically and is a proportionate approach given materiality
 considerations.
- For some older products, subsidiary benefits are ignored where they are not likely to increase the liability. (e.g. rider benefits paid for by mortality charging, where the mortality charge exceeds the expected cost, even in a stress scenario)
- Manual adjustments to results calculated by the main valuation systems often involve approximations. Manual
 adjustments are usually made where a product or product feature is difficult to model, or where there is a data
 deficiency.

Other simplifications have already been mentioned, e.g. grouping of data to value with-profits guarantees.

D.2.2.5 Material changes in assumptions

This section highlights the most material changes to assumptions made in the calculation of technical provisions compared to the previous reporting period.

Annuitant Mortality

Benefits were recognised in the UKL longevity assumptions, including the impact of completing our review of the allowance of anti-selection risk, updates reflecting our relevant experience and updates to the rate of historic and future mortality improvement including the adoption of CMI 2016, as described in section D2.2.2.

The base mortality tables have been updated to reflect latest experience data. The mortality rates are expressed as a percentage of the CMI '2000 series' mortality tables, with a different percentage applied to ages 90-99. Future mortality improvements have been changed to CMI_2016, as described in section D2.2.2.

These changes reduced technical provisions, net of reinsurance recoverables, by £432 million.

Expenses and expense inflation

The Company has updated its expense basis, including the assumptions for future investment management expenses, and the allowance for exceptional costs and project costs, as described in section D2.2.2.

These changes reduced technical provisions, net of reinsurance recoverables, by £82 million.

Internal credit ratings for MAPs

The methodology used to derive the internal credit ratings for commercial mortgages and PFI assets backing the annuities in the MAPs has been updated. This has resulted in lower credit ratings being used to derive the fundamental spread and thus a lower MA being derived for the funds affected.

These changes increased technical provisions, net of reinsurance recoverables, by £160 million, before the application of transitional measures.

D.2.3 Value of Technical Provisions by Line of Business

The following table sets out the technical provisions for the Company, split by Solvency II lines of business, as detailed in Annex I to the Level 2 Delegated Acts. Note that Solvency II line of business numbers 1 to 28 refer to Non-life insurance business and are not applicable to the Company. The best estimate liability and the risk margin are provided separately. These figures are gross of reinsurance and after the impact of transitional measure on technical provisions.

#	Line of Business	Technical	Best	Risk
	31 December 2017	provisions	Estimate	Margin
	31 December 2017	£m	£m	£m.

				(unaudited)
29	Health insurance	910	908	2
30	Insurance with profit participation	42,370	41,880	490
31	Index-linked and unit-linked	122,567	122,509	58
32	Other life insurance	60,360	60,156	204
33	PPOs health	-	-	-
34	PPOs not health	136	136	
D	Life insurance obligations	226,343	225,589	754
35	Health reinsurance	-	-	-
36	Life reinsurance	1,151	1,140	11_
Ε	Life reinsurance obligations	1,151	1,140	11
	Total	227,494	226,729	765

The methodology and assumptions used to calculate the technical provisions are set out in section D.2.2 above.

D.2.4 Comparison of Solvency II Technical Provisions to IFRS Technical Provisions

Solvency II technical provisions are comprised of two components – the best estimate liability and the risk margin. By contrast, the IFRS provisions are a single calculation of liabilities, with appropriate margins for risk included within the assumptions and/or methodology. There is also a different approach to discounting.

There are specific differences in the methods used relating to the risk margin, contract boundaries, non-unit reserves and Unallocated Divisible Surplus ("UDS"). The material differences between the assumptions used relate to discount rates, mortality rates, lapse rates and expense assumptions. These differences are outlined in this section.

The following table summarises the Company's gross technical provisions split by Solvency II line of business. The Solvency II technical provisions are shown gross of reinsurance and include the impact of any transitional measures.

	Best Estimate		Solvency II	IFRS	
	Liability	Risk Margin	technical	technical	
Insurance liability	("BEL")	£m	provisions	provisions	Difference
As at 31 December 2017	£m	(unaudited)	£m	£m	£m
Health insurance	908	2	910	1,565	(655)
Insurance with profit participation	41,880	490	42,370	45,614	(3,244)
Index-linked and unit-linked	122,509	58	122,567	126,085	(3,518)
Other life insurance	60,156	204	60,360	62,319	(1,959)
PPOs health	-	-	-	-	-
PPOs not health	136	-	136	137	(1)
Life insurance obligations	225,589	754	226,343	235,720	(9,377)
Health reinsurance	-	-	-	-	-
Life reinsurance	1,140	11	1,151	1,127	24
Life reinsurance obligations	1,140	11	1,151	1,127	24
Total	226,729	765	227,494	236,847	(9,353)
	As at 31 December 2017 Health insurance Insurance with profit participation Index-linked and unit-linked Other life insurance PPOs health PPOs not health Life insurance obligations Health reinsurance Life reinsurance Life reinsurance obligations	Insurance liability Insurance liability As at 31 December 2017 Health insurance Insurance with profit participation Index-linked and unit-linked Index-linked and unit-linked Other life insurance PPOs health PPOs not health Life insurance obligations Health reinsurance Life reinsurance Life reinsurance obligations 1,140	Insurance liability Liability Risk Margin ("BEL") £m As at 31 December 2017 £m (unaudited) Health insurance 908 2 Insurance with profit participation 41,880 490 Index-linked and unit-linked 122,509 58 Other life insurance 60,156 204 PPOs health - - PPOs not health 136 - Life insurance obligations 225,589 754 Health reinsurance - - Life reinsurance obligations 1,140 11 Life reinsurance obligations 1,140 11	Insurance liability Liability Risk Margin ("BEL") technical provisions As at 31 December 2017 £m (unaudited) £m Health insurance 908 2 910 Insurance with profit participation 41,880 490 42,370 Index-linked and unit-linked 122,509 58 122,567 Other life insurance 60,156 204 60,360 PPOs health - - - PPOs not health 136 - 136 Life insurance obligations 225,589 754 226,343 Health reinsurance 1,140 11 1,151 Life reinsurance obligations 1,140 11 1,151	Insurance liability Liability ("BEL") Risk Margin ("BEL") technical provisions technical provisions As at 31 December 2017 £m (unaudited) £m £m Health insurance 908 2 910 1,565 Insurance with profit participation 41,880 490 42,370 45,614 Index-linked and unit-linked 122,509 58 122,567 126,085 Other life insurance 60,156 204 60,360 62,319 PPOs health - - - - PPOs not health 136 - 136 137 Life insurance obligations 225,589 754 226,343 235,720 Health reinsurance 1,140 11 1,151 1,127 Life reinsurance obligations 1,140 11 1,151 1,127

Key areas of difference between the methods used to calculate Solvency II technical provisions and the methods used to calculate IFRS technical provisions are:

IFRS margins

Under IFRS, explicit margins for uncertainty are added to various best estimate assumptions including discount rates, mortality rates, lapse rates, expense assumptions and reinsurance counterparty default rates. The key exception is participating business. Margins for uncertainty are not included in the Solvency II best estimate liability. This results in a decrease in Solvency II best estimate liabilities relative to IFRS technical provisions in respect of this adjustment.

Treatment of with-profits business

Under IFRS, assets in excess of liabilities of a with-profits fund are held as a separate liability called the UDS, which is not classified as part of IFRS technical provisions. Under Solvency II, a proportion of the UDS is implicitly included within the best estimate liability. This results in an increase in Solvency II best estimate liabilities relative to IFRS technical provisions in respect of this adjustment.

Under IFRS, enhancements to asset shares that the Company expects to pay in order to treat policyholders fairly are included in liabilities, together with consequent impacts on guarantee costs, irrespective of whether the enhancement is classified as 'permanent' under Solvency II. Neither IFRS nor Solvency II liabilities include the value of future shareholder transfers. This results in a decrease in Solvency II best estimate liabilities relative to IFRS technical provisions in respect of this adjustment.

These differences are most relevant to line of business 30 (Insurance with profit participation).

Treatment of unit-linked business

Under IFRS, the technical provisions for unit linked business are based on current unit value, plus an allowance for non unit cash flows, but only where this would increase the technical provisions. Under Solvency II, the technical provisions are lower than the unit value reflecting the profits expected to emerge in respect of future management charges

expected to be earned from existing business. This results in a decrease in Solvency II best estimate liabilities relative to IFRS technical provisions in respect of this adjustment.

This is most relevant to line of business 31 (Index-linked and unit-linked).

Discount Rates

The Solvency II best estimate liability is valued using a risk-free rate curve with an allowance for a credit risk adjustment and an MA or VA where applicable.

Following guidance from the PRA, the Solvency II best estimate liabilities for reinsured business in matching adjustment portfolios are discounted at a risk free rate. This increases gross of reinsurance best estimate liabilities, with an equal increase to the reinsurance asset, thus have no impact on best estimate liabilities net of reinsurance.

For non-participating life insurance contracts, IFRS technical provisions are valued using a valuation interest rate which reflects the yields available on the underlying assets, with an allowance for credit risk based on internal analysis and an additional margin for adverse deviation.

No distinction is made for reinsured business in the IFRS valuation interest rate. This results in an increase in gross Solvency II best estimate liabilities relative to gross IFRS technical provisions in respect of this adjustment.

Contract boundaries

Solvency II technical provisions are subject to contract boundaries for certain product types, such as unit-linked savings contracts with no (or limited) insurance risk or material financial guarantee. This means that future premiums are ignored for regular premium unit-linked contracts where contract boundary conditions are applied and there is no obligation for the policyholder to pay future premiums. IFRS technical provisions are not subject to the same restrictions. This results in an increase in Solvency II best estimate liabilities relative to IFRS technical provisions in respect of this adjustment.

This is most relevant to line of business 31 (Index-linked and unit-linked).

Risk margin

In addition to the best estimate liability, Solvency II technical provisions include a risk margin. This is analogous to the additional margins held under IFRS to cover uncertainty.

D.2.5 Level of uncertainty in value

Set out below are the main areas of uncertainty over the calculation of liabilities.

Life Insurance Technical Provisions

The best estimate liability corresponds to the probability-weighted average of future cash flows, taking account of the time value of money using the relevant risk-free interest rate term structure. They reflect estimates of how markets and the business might behave in the future given policyholder data, cash flow models and a set of assumptions.

All estimates are based on management's knowledge of current facts and circumstances; assumptions based on that knowledge; and their predictions of future events and actions. Actual results may differ from those estimates, possibly significantly. The list below sets out the estimates and assumptions that are considered particularly susceptible to valuation uncertainty:

- Fluctuation in the amount and/or timing of claims events, e.g. when estimating the length of time for which an annuity will be paid. This requires a projection of annuitant mortality rates in excess of 20 years into the future which cannot be done with certainty.
- Changes in the value of an index/market values used to determine claims amounts, e.g. estimating future market values of the assets backing the with-profits asset share liabilities.
- Uncertainty in policyholder behaviour, e.g. for estimating lapse rates for different policy types and for different durations of a policy.

The best estimate liability assumptions are governed by a rigorous process, underpinned by actuarial judgement and peer review. The scope of assumption review papers includes considering the degree of uncertainty inherent in the assumptions being reviewed.

Data governance and model governance standards are in place, which help to ensure that the cash flow models used to calculate technical provisions, and the data which is used within that calculation, are fit for purpose and are managed under appropriate change control processes.

The cash flow projection models which are used to determine the best estimate liability are subject to a model base-lining exercise, which undertakes to reproduce the model's results from first principles, taking into account any information obtained from policy documents and operational procedures.

Guarantees on long-term savings products

As a normal part of operating activities, the Company has written contracts that provide guarantees and options for policyholders, including interest rate and inflation protection guarantees, in respect of certain long-term insurance and investment products. In providing these guarantees and options, the Company's capital position is sensitive to fluctuations in financial variables including interest rates, inflation, property values and equity prices. Interest rate guaranteed returns, such as those available on guaranteed annuity options, are sensitive to interest rates falling below the guaranteed level, should they currently be above that level. Other guarantees, such as maturity value guarantees and guarantees in relation to minimum rates of return, are sensitive to fluctuations in the investment return below the level assumed when the guarantee was made.

Regulatory compliance

The Company's insurance business is subject to dual local regulation, directly authorised by both the PRA (for prudential regulation) and the FCA (for conduct regulation). Between them, the PRA and FCA have broad powers including the authority to grant, vary the terms of, or cancel a regulated firm's authorisation; to investigate marketing and sales practices; and to require the maintenance of adequate financial resources.

The Company has compliance resources to respond to regulatory enquiries in a constructive way, and take corrective action when warranted. However, all regulated financial services companies face the risk that their regulator could find that they have failed to comply with applicable regulations or have not undertaken corrective action as required.

The impact of any such finding could have a negative impact on the Company's reported results.

D.3 Other liabilities

Liabilities have been valued according to the requirements of the Solvency II directive and related guidance. The basis of the Solvency II valuation principle is the amount for which the liabilities could be transferred or settled between knowledgeable willing parties in an arm's length transaction.

A description of the basis of valuation under Solvency II along with valuation differences between the Solvency II bases and the IFRS financial statements, by liability class, is provided below.

D.3.1 Provisions other than technical provisions

Under Solvency II and IFRS, provisions are valued using expected cash flows discounted, where the effect of the time value of money is material, using a pre-tax discount rate (or rates) that reflects current market assessments of the time value of money and those risks specific to the liability that have not been reflected in the best estimate cash flows.

D.3.2 Deferred tax liabilities

Deferred tax for Solvency II valuation purposes is determined in accordance with IAS 12 principles on 'temporary differences' between the economic value of assets or liabilities on the Solvency II balance sheet and their tax base. Deferred tax assets are recognised separately on the Solvency II balance sheet to the extent they cannot be offset against corresponding deferred tax liabilities. At 31 December 2017 the Company had no net deferred tax assets.

Deferred tax balances in the Solvency II balance sheet differ from those recognised in the IFRS balance sheet as a result of:

- Differences between the IFRS and Solvency II balance sheet valuation basis (as described in section D.1, section D.2 and the remainder of section D.3) and consequential impact on recognition of deferred tax assets and liabilities, the largest impact being as a result of the revaluation of technical provisions; and
- IFRS assets and liabilities with an associated deferred tax balance treated as having no economic value under Solvency II.

Unused tax losses and credits

The Company has unrecognised tax losses of £145m at 31 December 2017. The £145m consists of £88m of IFRS tax losses and a SII adjustment of £57m relating to the revaluation of debt with fellow Aviva Group undertaking Friends Life Holdings plc to fair value.

D.3.3 Derivatives

Under Solvency II, derivative liabilities are measured at fair value in accordance with IFRS, excluding any adjustments for changes in own credit standing of the Company since issuance. Fair values are obtained from quoted market prices, or if these are not available, by using valuation techniques such as discounted cash flow models or option pricing models. All derivatives are classified as assets when their fair values are positive and as liabilities when their fair values are negative.

D.3.4 Financial liabilities (including payables)

Financial liabilities (including payables) consist of the following headings listed in the Solvency II balance sheet QRT:

- Debts owed to credit institutions
- Financial liabilities other than debts owed to credit institutions
- Insurance and intermediaries payables
- Payables (trade, not insurance)
- Subordinated liabilities

Deposits received from reinsurers are described in section D.3.5.

Each of these categories is valued according to the methodology described below.

Financial liabilities expected to be paid within one year are valued on the Solvency II and IFRS balance sheets at the amounts expected to be paid.

Under Solvency II, non-current financial liabilities are measured at fair value, adjusted to eliminate movements in fair value due to changes in the own credit standing of the Company. This is achieved by determining the timing and monetary amount of expected outflow of cash or other resources and discounting the projected cash flows using a current risk free rate adjusted for the credit spread at initial recognition of the liability. Under IFRS, non-current financial liabilities are either carried at amortised cost or fair value under the fair value option.

IFRS financial liabilities other than amounts owed to credit institutions include financial reinsurance liabilities of £111 million. For the purposes of Solvency II reporting, amounts owed in respect of financial reinsurance are included within the BEL calculation and classified within technical provisions rather than financial liabilities, as they are under IFRS.

Under Solvency II subordinated liabilities are valued on a fair value basis, adjusted to eliminate the impact of changes in the own credit standing of the Company, with reference to the market value of similar group issued instruments which are externally listed. These items are included within own funds for Solvency II and more detail on the instruments can be found in section E.

D.3.5 Deposits received from reinsurers and reinsurance payables

Deposits received from reinsurers represent funds withheld by the Company under the terms of a 50% quota share reinsurance arrangement entered into with All. Further information on this arrangement is provided in section A.2.1 of this report and in note 39 of the Company's financial statements. Reinsurance payables are valued in a manner consistent with the method used for financial liabilities described in section D.3.4.

D.3.6 Other liabilities

Other liabilities expected to be paid within one year are valued on the Solvency II and IFRS balance sheets at the amounts expected to be paid.

The IFRS balance sheet includes £2,699 million within other liabilities in respect of the UDS. In certain participating long-term insurance and investment business, the nature of the policy benefits is such that the division between shareholder reserves and policyholder liabilities is uncertain. Amounts whose allocation either to policyholders or shareholders has not been determined by the end of the year are held within liabilities as a UDS. If the aggregate carrying value of liabilities for a particular participating business fund is in excess of the aggregate carrying value of its assets, the difference is held as a negative UDS balance, subject to recoverability from margins in that fund's participating business. Under Solvency II a proportion of the UDS is implicitly included within best estimate liabilities, particularly unrealised gains and losses on participating business as these are considered part of the policyholder share of assets.

Amounts related to deferred income have no value under Solvency II as they are not separable, and their economic value cannot be realised through a disposal.

D.3.7 Contingent liabilities

Under Solvency II reporting, material contingent liabilities are required to be recognised in the balance sheet. The Company has no material contingent liabilities under Solvency II.

D.4 Alternative methods of valuation

D.4.1 Company approach to valuation

The Company applies the Group Asset Valuation Business Standard to the valuation of its assets. This sets out a control framework in respect of valuation, including assets and liabilities valued under alternative methods of valuation. This standard defines the following control objectives:

- Primary valuation Parties responsible for primary valuations must ensure that appropriate valuation techniques are selected and justified.
- Independent price verification A party independent of the primary valuation process must have sufficient controls in place to ensure valuations of all asset classes are reasonable. Controls should be commensurate with the materiality of the assets.
- Valuation uncertainty The extent of uncertainty within valuations must be understood, quantified where possible
 and reported to senior management.
- Reporting bases Where appropriate the valuation must be performed consistently across reporting bases. Where
 a consistent basis is not used, then a reconciliation of differences should be understood, documented and
 reported.
- Client supplied prices Client supplied prices should be identified, and sufficient independent price verification ("IPV") controls exercised to provide assurance over the quality of the valuation.

D.4.2 Assets and liabilities to which an alternative valuation approach applies

For the financial year ending 2017, the following classes of assets and liabilities were subject to valuation under alternative valuation methods:

- Commercial mortgages, commercial real estate loans and healthcare mortgages
- Equity release mortgages
- Investment property and property partnerships
- Over the Counter (OTC) derivatives
- Project finance (PFI) loans and infrastructure loans
- Privately placed debt securities
- Private equity funds
- Collateralised lending with banks
- Collateralised loan obligations
- Uncollateralised interest rate and inflation swaps
- Other illiquid debt securities, private loans and structured finance transactions

D.4.3 Justification for use of an alternative valuation approach

The majority of the Company's assets and liabilities are measured at fair value based on quoted market information or observable active market data. Where quoted market information or observable market data is not available, an alternative valuation method is used. This occurs when either:

- the individual nature of the asset means that there is no quoted price available (for example, investment property)
- the asset is not actively traded in a market (such as holdings in unlisted private equity funds).

Alternative valuation methods include the use of estimates and assumptions that are not market observable. Where estimates and assumptions are used by the Company in valuing its assets, they are based on a combination of expert judgement, independent third-party evidence and internally developed models, calibrated to market observable data where possible.

D.4.4 Assumptions underlying the valuation approach and assessment of valuation uncertainty

The Company performs an annual exercise to assess valuation uncertainty across its investment portfolio. The main assumptions underlying the valuation approach and assessment of valuation uncertainty for the categories identified in section D.4.2 are described below.

Commercial mortgages, commercial real estate loans and healthcare mortgages (£9,135m)

The mortgages are valued using a model that calculates a credit risk adjusted value for each mortgage. The credit risk adjusted contractual future cash flows are calculated by stochastically forecasting how the future loan repayments are impacted by a large number of inputs. The key inputs feeding into the credit risk calculation are changes in property value, probability of tenant defaults, expected rental growth and property growth and likelihood of the borrower continuing to service the loan if the tenant defaults. The credit risk adjusted cash flows are then discounted at a risk free rate plus a liquidity premium calibrated to lending on new loans.

Valuation uncertainty arises from variation in the expected range of the key inputs feeding into the credit risk calculation and the liquidity premium. Valuation uncertainty has been assessed as moderate for this asset class.

A small portion of the commercial real estate loan is managed by an external asset manager. These mortgages are valued using a discounted cash flow approach, where credit spreads depend on the rating of the mortgage and are inferred from market observations. Valuation uncertainty has been assessed as moderate for these assets.

Equity release mortgages (£5,994m)

The equity release mortgages are valued using an internal model that calculates a credit risk adjusted value for the mortgages. Cash flows are adjusted for credit risk and discounted using a yield curve and global assumptions for the liquidity premium. The model uses best estimate assumptions to derive the modelled future property growth scenarios. The model explicitly calculates the additional return that would be demanded by investors due to uncertainties in the asset cash flows.

Valuation uncertainty in the model primarily arises from uncertainty in the calculation of future houses prices. This includes uncertainty relating to house price inflation, equity release pricing, residential property volatility, initial property valuations at loan inception and performance of individual properties relative to house price inflation. Valuation uncertainty has been assessed as significant for this asset class.

During 2017, long-term assumptions for future property prices and rental income have been kept under review to allow for the possible future adverse impact of the decision for the UK to leave the European Union. The aim has been to maintain the same allowance in these assumptions in 2017 as was included in 2016, as the impact of the Brexit process on the UK economy remains uncertain.

Investment property and property partnerships (£7,928m)

Investment property is valued either quarterly or monthly by external chartered surveyors in accordance with guidance issued by The Royal Institution of Chartered Surveyors. Valuations are performed by surveyors in accordance with methodologies described in the RICS "red book". A property gross value is calculated by dividing the expected rental cash flows by an appropriate rental yield. Future cash flows are calculated based on the surveyor's expectation of rental receipts during and after the current tenancy ends, typically based on an assessment of rents charged on comparable properties.

The extent of uncertainty systemic within the valuation of investment properties has been assessed based on ranges of expected rental yields provided by independent surveyors and with reference to research assessing differences between property valuations and subsequent sales prices. Back testing analysis is also performed on the Company's portfolio to understand the extent of valuation uncertainty for this asset class. Valuation uncertainty has been assessed as significant for this asset class.

Over the Counter (OTC) derivatives (£403m)

Although valued using established and accepted valuation methodologies, OTC derivatives are not quoted in an active market and an element of valuation uncertainty may exist in arriving at a fair value. The extent of valuation uncertainty is assessed by comparing valuations against counterparty statements.

Valuation uncertainty has been assessed as moderate for this asset class.

Project Finance (PFI) loans and infrastructure loans (£5,104m)

PFI and infrastructure loans are valued using either a model that calculates a credit risk adjusted value for each loan or using a discounted cash flow model, depending on the nature of the loan.

Loans valued using credit risk adjusted contractual future cash flows are calculated by stochastically forecasting how the future loan repayments are impacted by a large number of inputs. The key inputs feeding into the credit risk calculation are changes in security value, probability of government defaults and expected inflation on income and costs. The credit risk adjusted cash flows are then discounted at a risk free rate plus a liquidity premium calibrated to lending on new loans.

Infrastructure loans valued using a discounted cash flow model add spreads for credit and illiquidity to a risk free discount rate. Credit spreads are updated quarterly using an internally developed methodology which depends on the credit rating of each loan, credit spreads on publicly traded bonds and an adjustment to reflect the estimated recovery rate in the event of the loan defaulting.

Valuation uncertainty arises from variation in the expected range of the key inputs feeding into the credit risk calculation and the liquidity premium. Valuation uncertainty has been assessed as moderate for this asset class.

Privately placed debt securities (£2,465m)

Privately placed notes are valued using a discounted cash flow model. The discounted cash flow model uses discount factors based on swap curves, plus credit spreads inferred from comparable, publicly traded bonds as well as an incremental spread to reflect the illiquidity of the notes. Valuation uncertainty arises on the private placement portfolio in the choice of spreads for credit and liquidity. Valuation uncertainty has been assessed as moderate for this asset class.

This book includes £482m of notes supported by explicit government guarantees. In these cases, the credit spreads used to value the instruments reflects the security provided by the guarantee. Valuation uncertainty has been assessed as low for these loans.

Private equity funds (£871m)

Fair values for unlisted private equity funds are based on net asset value statements provided by fund administrators. The valuation of underlying equities is compliant with guidelines published by the British Venture Capital Association, the European Private Equity and Venture Capital association and other international bodies.

The extent of valuation uncertainty is estimated with reference to back testing analysis which involves comparing sale proceeds for portfolio businesses against lagged valuations.

Valuation uncertainty has been assessed as significant for this asset class.

Collateralised lending with banks (£2,471m)

Collateralised lending with banks comprises loans to banking counterparties that have been collateralised with illiquid securities. Fair values are calculated using valuation models which incorporate a number of assumptions, including probability of counterparty default and expected loss in the event of counterparty default. Expected loss in the event of counterparty default is driven by assumptions describing the expected liquidation period of the collateral, the volatility of the collateral during this liquidation period and the extent to which we believe there is a correlation between the collateral value and counterparty default probability.

Valuation uncertainty arises from variation in the expected range of a number of the key assumptions described above. Valuation uncertainty has been assessed as moderate for this asset class.

Collateralised loan obligations (CLO) (£378m)

The Company holds an illiquid senior note issued by an SPV which is backed by a series of loans to PFI counterparties. The valuation of this position incorporates assumptions regarding credit spreads on the underlying PFI loans, expected recoveries in the event of PFI default and joint default probabilities.

Valuation uncertainty has been assessed as moderate for this asset.

Uncollateralised interest rate and inflation swaps (£360m)

The Company holds a number of uncollateralised interest rate and inflation swaps with PFI counterparties. The valuation of these swaps includes a credit valuation adjustment (CVA), to reflect counterparty default risk. The CVA is calculated with reference to a number of assumptions including likelihood of counterparty default, recovery in event of default and exposure to counterparty at time of default.

Valuation uncertainty has been assessed as moderate for this asset class.

Other illiquid debt securities, private loans and structured finance transactions (£1,094m)

Other illiquid debt securities are valued using discounted cash flow methodologies. Discount factors are constructed using risk free rates, credit and illiquidity spreads appropriate for the security in question.

Valuation uncertainty has been assessed as moderate for this asset class.

D.4.5 Adequacy of the valuation compared to experience

The Company operates IPV controls across all assets. For asset types where a secondary source is available (such as OTC derivatives and bonds marked to market), this involves comparing the primary valuation to a secondary independent source, investigating material differences and making valuation adjustments where the Company believes it is appropriate to do so. For illiquid debt securities which are marked to model the IPV process includes a review of the valuation methodology, periodic assessment of both observable and judgemental model inputs as well as reviewing any secondary trading activity in the asset to understand whether anything can be learnt regarding the appropriateness of the valuation methodology.

For asset classes where a secondary source is not available and there is no secondary trading activity (such as investment property and private equity), the Company relies on the implementation of accepted valuation standards by parties independent of the Group as described above (e.g. valuation of investment property in line with the methodologies described in the RICS "red book"). These are asset classes with considerable valuation uncertainty and to assess the reasonableness of the valuations back testing analysis is performed on an annual basis for any assets sold during the year. Results of these back testing analyses are presented in the Company's valuation uncertainty assessments.

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E. Capital Management

In this chapter

- E.1 Own Funds
- E.2 Solvency Capital Requirement ("SCR") and Minimum Capital Requirement ("MCR")
- E.3 Use of duration-based equity risk sub-module in the calculation of the SCR
- E.4 Difference between the Standard Formula and Internal Model
- E.5 Non-compliance with the MCR and non-compliance with the SCR

This section of the report describes the internal operational structures and procedures underlying the Company's capital management process covering structure and quality of Own Funds; SCR and MCR; methodology for calculation of the SCR; differences between Internal Model and Standard Formula and any other material information.

E.1 Own Funds

E.1.1 Management of Own Funds

The primary objective of capital management is to optimise the balance between return and risk, whilst maintaining regulatory capital in accordance with risk appetite. In managing Own Funds, the Company seeks to:

- Match the profile of its assets and liabilities, taking account of the risks inherent in the business;
- Maintain sufficient, but not excessive, financial strength to support new business growth and satisfy the requirements of its policyholders and its regulator, the PRA;
- Retain financial flexibility by maintaining sufficient liquidity; and
- Allocate capital efficiently, applying it to support value adding growth and repatriating excess capital to the Group through dividends.

In order to achieve these objectives, Own Funds are monitored via projections over a three-year planning horizon. The Company also uses a number of sensitivity tests to understand the volatility of earnings, the volatility of its capital requirements, and to manage its capital more efficiently. Sensitivities to economic and operating experience are regularly produced on the Company's key financial performance metrics to inform decision making and planning processes, and as part of the framework for identifying and quantifying the risks to which the Company is exposed.

For long-term business in particular, sensitivities of market consistent performance indicators to changes in both economic and non-economic experience are continually used to manage the business and to inform the decision making process.

There have been no material changes to the objectives, policies or processes with respect to the management of Own Funds during the year.

E.1.2 Own Funds by tier

At 31 December 2017, total basic Own Funds equalled the total eligible Own Funds to meet the SCR, with no tiering limit restrictions. Eligible Own Funds were subject to restrictions of £275m to meet the MCR.

The table below sets out the Company's Own Funds at 31 December 2017:

		Tier 1	Tier 1		
	Total	unrestricted	restricted	Tier 2	Tier 3
31 December 2017	£m	£m	£m	£m	£m
Ordinary share capital	192	192	-	-	-
Surplus funds	7,808	7,808	-	-	-
Preference shares	500	-	322	178	-
Reconciliation reserve	4,414	4,414	-	-	-
Subordinated liabilities	1,116		558	558	-
Total Basic Own Funds after adjustment	14,030	12,414	880	736	-
Restrictions	-	-	-	-	-
Total Eligible Own Funds to meet the SCR	14,030	12,414	880	736	-
Restrictions to meet the MCR	(275)	-	-	(275)	-
Total Eligible Own Funds to meet the MCR	13,755	12,414	880	461	-

	Total	Tier 1 unrestricted	Tier 1 restricted	Tier 2	Tier 3
31 December 2016	£m	£m	£m	£m	£m
Ordinary share capital	192	192	-	-	-
Surplus funds	4,398	4,398	-	-	-
Preference shares	-	-	-	-	-
Reconciliation reserve	2,509	2,509	-	-	-
Subordinated liabilities	-	-	-	-	-
Total Basic Own Funds after adjustment	7,099	7,099	-	-	-
Restrictions	-	-	-	-	-
Total Eligible Own Funds to meet the SCR	7,099	7,099	-	-	-
Restrictions to meet the MCR	-	-	-	-	-
Total Eligible Own Funds to meet the MCR	7,099	7,099	-	-	-

The change in the year in the profile of the Company's Own Funds has been caused by the Part VII transfers of assets from UKA, FLL and FLP.

Further information on Own Funds by tier is presented in QRT S23.01.01 'Own Funds' within section F1.

• Tier 1 unrestricted capital

Unrestricted Tier 1 capital of £12,414 million represents 88% of the Company's Own Funds. This consists of ordinary share capital, surplus funds and the reconciliation reserve, which reconciles the total excess of assets over liabilities with identifiable Own Funds instruments (refer to section E.1.5). Tier 1 unrestricted capital includes high quality instruments with features such as permanence, subordination, undated, absence of redemption incentives, mandatory costs and encumbrances.

• Tier 1 restricted capital

Restricted Tier 1 capital of £880 million consists of preference shares and subordinated debt, both qualifying as restricted Tier 1 capital under the transitional provisions. Transitional measures are referred to in section E.1.3. Tier 1 restricted Own Funds are distinguished from Tier 1 unrestricted capital as they are subject to further quantitative restrictions.

• Tier 2 capital

Tier 2 capital of £736 million consists of preference shares and subordinated debt, both qualifying as Tier 2 capital under the transitional provisions. The amount of tier 2 capital allowed to meet the MCR is restricted to 20% of the MCR. The MCR is referred to in section E.2.2. The features of Tier 2 capital include subordination, minimum duration of 10 years with no contractual opportunity to redeem within 5 years, absence of redemption incentives, mandatory costs and encumbrances.

E.1.3 Details of Own Funds items

E.1.3.1 Issued share capital and share premium as at 31 December 2017

The company had an aggregate issued and outstanding ordinary share capital of £192 million at 31 December 2017.

E.1.3.2 Preference shares in issue as at 31 December 2017

The Company's Own Funds at 31 December 2017 include preference shares following the Part VII transfer of assets and liabilities from FLL described in A.1.3. The following intra-group debt instruments were originally issued by FLL to Friends Life Holdings plc ("FLH").

Capital Instrument	Date of next call	Solvency II Tier	Solvency II value 2017 £m	Solvency II value 2016 £m
Step-up Tier 1 Insurance Capital Securities (STICS)	1 July 2020 and then five yearly	Tier 1 restricted	322	-
Step-up Tier 1 Insurance Capital Securities (STICS)	1 July 2020 and then five yearly	Tier 2	178	-
Total preference shares	-		500	0

The tiering presentation of the preference shares reflect the relegation of capital due to the guarantees that the Company has made to the external debtholders of FLH. The adjustment is made to represent the reduction in quality of

the Company's capital by the guarantees made and align it with the tiering of the external capital instruments. It relegates Own Funds from restricted Tier 1 to Tier 2.

E.1.3.3 Subordinated liabilities in issue as at 31 December 2017

The Company's Own Funds at 31 December 2017 include subordinated liabilities following the Part VII transfer of assets and liabilities from UKA and FLL described in A.1.3.

Under IFRS, subordinated debt is valued on an amortised cost basis. Under Solvency II, subordinated debt is valued on a fair value basis, with changes in own credit standing removed for subsequent measurement. A discounted cash flow approach has been used to assess the fair value and, for the purpose of valuation, it is assumed that the option to redeem at the first call date will be exercised.

Capital Instrument, including nominal, coupon and extent of subordination	Callable at par at option of the Company from	Solvency II Tier	Solvency II value 2017 £m	Solvency II value 2016 £m
7.92% £356m subordinated debt	9 November 2018 then annually	Tier 1 restricted	354	-
8.25% £500m subordinated debt	At maturity on 22 April 2022	Tier 2	559	-
2.5068% £200m subordinated notes	8 Dec 2019	Tier 1 restricted	203	-
Total subordinated debt			1,116	0

Transitional measures

The transitional measures prescribed under Solvency II allow the subordinated debt concerned to count towards a firm's available Own Funds, subject to tiering limits, for a period of up to ten years after 1 January 2016. The Company's subordinated notes do not qualify directly as Solvency II Own Funds, but all met the Solvency I requirements without reliance on waivers and are all therefore eligible for Solvency II transitional treatment. The debt is grandfathered either as Tier 1 if it is perpetual or Tier 2 if it is dated.

Movement in the year

The change in the year in the profile of the Company's Own Funds has been caused by the Part VII transfers of assets from UKA, FLL and FLP. This included the transfer of preference shares and subordinated liabilities into tier 1 restricted and tier 2 Own Funds.

There have been no issuance/redemptions of qualifying capital instruments during 2017. Other movements in the total value of capital instruments relate to changes in the foreign exchange rates and the risk-free rates used for the Solvency II valuation of subordinated debt.

E.1.4 Surplus funds

The Company has recognised £7,808 million of surplus funds which meet the criteria for classification as Tier 1 Own Funds. These are with-profit funds, where accumulated profits have not yet been made available for policyholders or beneficiaries. The surplus Own Funds in excess of notional SCR within a with-profits fund is restricted via an adjustment to the reconciliation reserve shown in section E1.5 below (Adjustment for restricted Own Fund items in respect of RFFs).

E.1.5 Reconciliation reserve

The table below sets out the constituents of the reconciliation reserve:

	2017	2016
	£m	£m
Solvency II excess of assets over liabilities	15,144	8,531
Other Basic Own Funds items	(8,500)	(4,590)
Adjustment for restricted Own Fund items in respect of ring fenced funds (RFFs) (unaudited)	(2,230)	(1,432)
Reconciliation reserve	4,414	2,509

The reconciliation reserve equals the total excess of Solvency II assets over liabilities reduced by the following:

- Other Basic Own Funds items that have been separately identified on the Own Funds QRT being share capital, preference shares and surplus funds.
- The surplus Own Funds over notional SCR held within RFFs (refer to section E.1.7).

E.1.6 Differences between IFRS net assets and the excess of assets over liabilities as calculated for Solvency II

The table below lists the material differences between equity as shown in the financial statements of the Company and the excess of assets over liabilities as calculated under Solvency II.

	2017	2016
	£m	£m
Total Company equity on an IFRS basis	6,709	4,378
Elimination of intangible assets, deferred acquisition costs and deferred income reserve	(1,891)	(860)
Technical provision valuation differences (net of transitional deductions)	10,117	6,270
Inclusion of risk margin (net of transitional deductions)	(764)	(424)
Reinsurance recoverable valuation differences	(1,193)	(3,142)
Elimination of UDS from liabilities	2,699	2,168
Net deferred tax adjustments	(349)	(154)
Revaluation of participations	(329)	243
Other adjustments onto Solvency II basis (including fair value adjustments)	145	52
Solvency II excess of assets over liabilities	15,144	8,531

The increase in net assets of £8,435 million from IFRS to a Solvency II basis results from solvency valuation differences.

The increase in Solvency II net assets of £6,613 million during the reporting period is largely due to the Part VII transfers described in A.1.3.

The elimination of intangible assets, deferred acquisition costs and deferred income reserve are described in sections D.1.1, D1.2 and D.3.6 respectively.

Technical provision valuation differences and the inclusion of the risk margin are described in section D.2.4.

Reinsurance recoverable valuation differences are described in section D.1.8.

The elimination of UDS from liabilities is described in section D.3.6.

Net deferred tax adjustments are described in section D.3.2.

Revaluation of participations is described in section D.1.4.

Other adjustments onto a Solvency II basis primarily consist of fair value adjustments on loans (described in section D.1.7) and adjustments in respect of financial reinsurance liabilities (described in section D.3.4).

E.1.7 Restricted Own Funds items in respect of RFFs and MA portfolios (unaudited)

As at 31 December 2017, the total of excess of assets and liabilities within RFFs and MA portfolios amounted to £8.7 billion, of which £2.2 billion is restricted from the Company's Own Funds.

- Where a RFF exists, the Own Funds in excess of notional SCR of the RFF are restricted and deducted from the Company's Own Funds. This is reflected as an adjustment to the reconciliation reserve. The with-profits funds in the Company are treated as RFFs.
- In applying Article 80 of the Solvency II Delegated Acts to the Reattributed Inherited Estate External Support Account ("RIEESA"), the surplus of Own Funds over the notional capital requirement, where the capital requirement includes a buffer in addition to the notional SCR, is not restricted. The objective of this buffer is to ensure the policyholders of the New With-Profits Sub-Fund ("NWPSF") are not exposed to unacceptable risk of failing to meet statutory capital requirements. The headroom test is considered an appropriate indication of the levels of assets in the RIEESA which are available to absorb losses elsewhere in the business and are not part of the RFF.
- The Company's MA portfolios do not have a surplus in excess of SCR and, as a consequence, no restriction to Own Funds has been applied.

There are no other restrictions on Own Fund items.

E.2 SCR and MCR

E.2.1 SCR (unaudited)

The Company SCR at 31 December 2017 is £9,219m (2016: £4,682m, which is presented prior to the Part VII transfers referred to in section A.1.3)

The Company SCR includes the results of the following sub-funds:

- UKLAP NP non-profit business written in the non-profit sub-fund
- NWPSF primarily includes with-profits business
- OWPSF primarily includes with-profits business
- WPSF primarily includes with-profits business
- Provident Mutual SF primarily includes with-profits business
- IWPSF with-profits fund of the Irish business
- FP WPSF as well as with-profits business, it includes a matching adjustment portfolio and unit linked portfolio (units held by UKLAP NP)
- FPLAL WPSF primarily includes with-profits business
- FLAS WPSF includes significant portfolios of non-profit and unit linked business (units held by UKLAP NP) as well as with-profits business
- FLC NWPSF primarily includes with-profits business
- FLC OWPSF primarily includes with-profits business
- WL WPSF includes a significant portfolio of unit linked business (units held by UKLAP NP) as well as with-profits business, and a small matching adjustment portfolio
- FLP Secure Growth Fund a with-profits fund that is an investment option for unitised contracts

The contribution of the above sub-funds to the Company SCR is calculated using an Internal Model with the exception of the former FLL and FLP with-profits sub-funds which are valued using the Standard Formula and aggregated using the Partial Internal Model methodology.

The table below shows the results of the Company SCR as at 31 December 2017 split by sub-fund/material subsidiaries:

SCR split by sub-fund	£m
UKLAP NP	5,365
NWPSF	604
OWPSF	185
WPSF	733
Provident Mutual SF	136
IWPSF	68
FP WPSF	602
FPLAL WPSF	32
FLAS WPSF	609
FLC NWPSF	588
FLC OWPSF	160
WL WPSF	20
FLP Secure Growth Fund	118
Company SCR	9,219

A more detailed breakdown of the Company SCR by risk module is shown in the following table, including the split of each module between Internal Model and Standard Formula. Each risk module includes the impact of diversification within that module, and the diversification line includes diversification between risk modules and Partial Internal Model diversification. 'Other risks and adjustments' include other adjustments from the S.25.02 QRT and the loss absorbing capacity of deferred tax.

SCR by risk module (£m)	Total	Internal Model	Standard Formula
Market risk	6,853	5,301	1,552
Counterparty default risk	456	352	104
Life underwriting risk	4,982	3,999	983
Health underwriting risk	0	0	0
Non-life underwriting risk	0	0	0
Operational risk	1,158	1,079	79
Other risks and adjustments	(814)	(802)	(12)
Total undiversified modules	12,635	9,929	2,706
Diversification	(3,416)		
SCR excluding capital add-on	9,219		
Capital add-on already set	0		
SCR	9,219		

The table below shows the results of:

- the Company SCR as at 31 December 2017, compared to
- the pre-Part VII Company and FLL SCRs as at 31 December 2016 and
- the post-Part VII Company SCR as at 31 December 2016 as shown in the Independent Expert's Supplementary Report on the Part VII Transfer issued for the High Court Sanctions Hearing in September 2017.

The pre-Part VII Company SCR includes the SCR of its wholly owned subsidiary, UKA. The pre-Part VII FLL SCR includes the SCR of its wholly owned subsidiary, FLP. A description of the FLL and FLP Part VII transfer is included in section A 13

Company SCR			Total £m
31 December 2017 reported	The Company		9,219
31 December 16 reported (pre- Part VII)	The Company	4,682	
	FLL	4,231	
	The Company + FLL	8,913	
31 December 16 (post Part VII)	The Company		8,649
Increase: (from 31 December 2016 post Part VII to 31 December 2016 post Pa	ecember 2017 reported)		570

The 31 December 2016 SCR quoted in the Independent Expert's Supplementary Report (£8,649m) is lower than the sum of the reported 2016 SCRs of the Company and FLL (£8,913m). The reduction is predominantly due to improved diversification of risks between FLL, FLP and the Company business following the Part VII transfer.

The Company's SCR is higher than the post-Part VII Company SCR as at 31 December 2016. The increase in SCR is primarily due to increased exposure to equity volatility risk arising from a higher proportion of equity held within the with-profits funds, the writing of new business during 2017, and following an improved financial position of the FLAS with-profits fund (one of the sub-funds described at the start of this section E.2.1), and actions taken to enhance policyholder returns. This increase has been partly offset by the benefits arising from the run off of existing business.

E.2.2 MCR

The MCR represents the minimum level below which the amount of financial resources of a firm should not fall.

The MCR is calculated using a linear formula that applies prescribed factors to capital-at-risk and the best estimate liability (net of reinsurance). The factors applied to the best estimate liability vary by type (with-profits guaranteed benefits, with-profits discretionary benefits, index/unit-linked and other). The MCR is subject to a floor, equal to 25% of the SCR, and a cap, equal to 45% of the SCR. There is an absolute floor of €3.7 million.

The MCR for the Company at 31 December 2017 is £2,305 million

The following table shows the results of the Company MCR as at 31 December 2017, compared to the Company and FLL MCRs as at 31 December 2016. The FY16 Company MCR includes the MCR of its wholly owned subsidiary, UKA. The pre-Part VII FLL MCR includes the MCR of its wholly owned subsidiary, FLP. A description of the FLL and FLP Part VII transfer is in section A.1.3.

Company MCR		Total £m
31 December 2017 reported	The Company	2,305
31 December 16 reported (pre- Part VII)	The Company	1,170
	FLL	1,058
	The Company + FLL	2,228
Increase in the year		77

The Company's MCR is higher than the sum of the previous year's Company and FLL MCRs. The increase in MCR arises directly from the increase in SCR, as the 25% SCR floor to the MCR is biting.

E.2.3 Standard Formula simplifications (unaudited)

Where the SCR is calculated using the Standard Formula, the Solvency II regulations specify 23 simplified calculations that may be used across all of the Standard Formula risk modules except operational risk. The use of these simplifications is disclosed in QRT S.25.02.21, where applicable. The Company has not used any of these simplified calculations to calculate the SCR at 31 December 2017.

E.2.4 Standard Formula undertaking specific parameters ("USPs") (unaudited)

Where the SCR is calculated using the Standard Formula, Solvency II regulations specify certain USPs that may be used in place of the standard parameters, subject to regulatory approval. These are available for life and health revision risks, and non-life (including some health) premium and reserve risks. The use of these USPs must be disclosed in QRT S.25.02.21, where applicable. The Company has not used any USPs to calculate the SCR at 31 December 2017.

E.2.5 Transitional measures, disclosure of capital add-ons and USPs (unaudited)

Regulators have the power to impose capital add-ons to the SCR or to require the use of certain USPs in the Standard Formula, where there are significant deficiencies in a firm's Internal Model or Partial Internal Model, or where a Standard Formula firm's risk profile deviates significantly from the assumptions underlying the Standard Formula.

In addition, regulators have the option to specify that any capital add-ons or the SCR impact of any required USPs do not need to be disclosed separately to the total SCR, during a transitional period. The PRA has chosen to exercise this option with a two-year transitional period.

E.3 Use of the duration-based equity risk sub-module in the calculation of the SCR (unaudited)

Insurance firms that have particular types of retirement provision business managed on a ring-fenced basis, for which the SCR is calculated using the Standard Formula, are entitled to calculate the equity risk capital requirement using a specified duration-based approach. The Company does not use the duration-based equity risk sub-module in the calculation of the SCR.

E.4 Differences between the Standard Formula and Internal Model (unaudited)

E.4.1 Use of the Internal Model in the Company's business

The Internal Model provides input to a number of key business processes and activities. Therefore, the outputs from the Internal Model are used in day-to-day risk management and business decisions across the Company. "Use" does not imply that the Internal Model is used to directly run the business, but rather that the outputs of the Internal Model and the Internal Model itself are used to support decision-making, whilst acknowledging its limitations and balancing against other elements of the RMF.

The primary purpose of the Internal Model is to calculate the capital metrics required for regulatory reporting under Solvency II. The outputs of the Internal Model are used internally and externally in risk based performance reporting and risk and financial strength reporting to senior management and the Board.

The granular metrics produced by the Internal Model are also used to set strategy and support a series of other activities, including:

- Strategy and business planning: allocating capital between business areas to measure risk-adjusted return and set risk appetites as part of the business planning cycle;
- Pricing: improving pricing and product design by assessing the level of capital required to support different types of products and their inherent risks;
- Transactions: assessing the appropriateness of potential business investments through the impact on surplus capital;
- Reinsurance: identifying the need for targeted reinsurance contracts to mitigate undesirable risk exposures, through modelling potential adverse scenarios;
- Asset and liability management: measuring the impact of market changes on assets and liabilities to drive investment and hedging strategy.

Further details on how the Internal Model is fully integrated into the Company's risk management system are given in section B.3.3.

E.4.2 Undertakings in scope of the Internal Model

The Group is a large multinational insurance organisation operating across a variety of business lines; this drives the risk profile and, by extension, the design and structure of the Internal Model. The Group uses a Partial Internal Model. The Company, as part of the Group, makes use of the Group Partial Internal Model.

The Group Partial Internal Model has been designed to allow each legal entity within the Group to run the business with a focus on risk. This means that the Internal Model has been designed to produce capital figures at a range of levels and granularities, from legal entity to fund level (and in some cases to a product or asset level), allowing for diversification between risk types at each of those levels. Producing and understanding the capital requirements at different levels of granularity is crucial to ensure that the model outputs can be effectively used in the day-to-day running of the business.

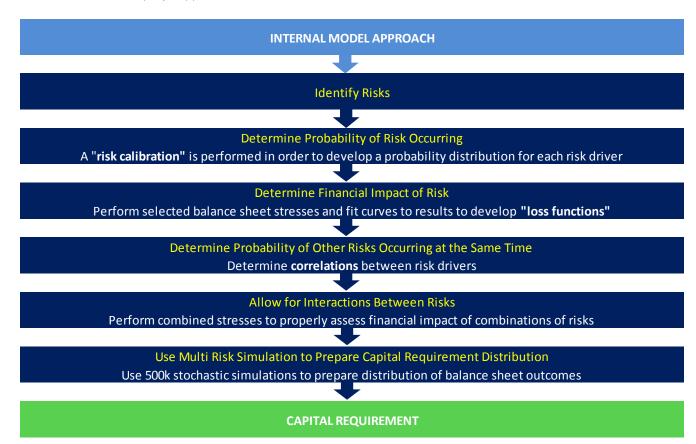
The funds and subsidiaries of the Company included in the Internal Model scope are listed in section E.2.1.

E.4.3 Calculation of the Internal Model

E.4.3.1 Methods used

The purpose of the Internal Model is to identify the risks to which the Group is exposed, model these risks using suitably calibrated inputs and aggregate them to compute the SCR. The Internal Model produces an aggregate distribution of the change in basic Own Funds over a one-year time horizon from which the SCR can be directly derived (i.e. the SCR is the 99.5th percentile) in line with Article 101.

An overview of the Company's approach is shown below.



Overview of the Company's modelling approach

The Company's Internal Model allows flexibility in determining which statistical distributions to use to represent risk factors (such as mortality, interest rates or credit risk) including those with heavy tails and empirical distributions. The model is not limited to assuming risks follow normal (or similar) distributions, as is implicit in the standard formula. This flexibility is important to ensure that we accurately model the behaviour of the most important risks to the Company.

For the majority of risk factors, standard statistical distributions fitted via the standard risk factor calibration process are used. However, for some risk types, such as credit risk or operational risk, distributions are derived from further modelling processes. This approach is appropriate given both the materiality of the risk types and the desire to ensure the risk's behaviour is accurately reflected.

A wide range of testing and review processes are used to ensure that the calibrations are appropriate and the Internal Model outputs are reasonable. These range from bottom-up reviews of the material assumptions used in the modelling process and testing of the calibrations and loss functions (i.e. the mathematical formulae used as a proxy for the calculations in the asset and liability management models for the valuation of the assets and liabilities on the balance sheet), to top-down stress and scenario testing, as well as profit and loss attribution exercises.

Aviva has chosen to implement a Partial Internal Model Group wide, defined as using a combination of Internal Model and Standard Formula approaches to calculate SCRs for different components of the business. Within the Company, these components are distinct blocks of business, rather than risks. In order to integrate the Internal Model capital calculations with the Standard Formula calculations the Partial Internal Model technique 2 as described in Annex XVIII of Directive 2009/138/EC is used.

E.4.3.2 Data used in the Internal Model

The key data used in the Company's Internal Model is listed below:

- Accounting data (IFRS) this is used in the valuation of certain liabilities;
- Policy data this includes claims as well as policies in force and past policies;
- Operational risk data an external database of information with regards to industry operational risk losses is used. This is provided by the Operational Risk Insurance Consortium;
- Financial market data the calibration process for market and credit risks often uses external financial market asset data (e.g. FTSE index returns);
- Internal asset data the valuation of the base Solvency II Balance Sheet relies on the market valuation of assets, as well as mark to model valuations of certain non-traded assets. The data used is largely taken from the accounting process and, therefore, most data will be included under the heading 'accounting data'; and
- Other data data that does not fall under the above five categories.

The Solvency II Data Governance Group Business Standard establishes the control environment and the criteria to be used to assess the quality of the data in terms of appropriateness, completeness, accuracy, and consistency before using it for the SCR calculation.

E.4.3.3 Integration of the Standard Formula into the Partial Internal Model

As described in section E.4.3.1 the Company has chosen to implement a Partial Internal Model using integration Technique 2 to combine results of the Internal Model and Standard Formula as described in Annex XVIII of the Delegated Act.

This technique requires an upper and lower bound to be specified for correlations between the entire Internal Model block and each of the Standard Formula risk modules. A correlation matrix is then constructed with correlations between Standard Formula and Internal Model risk modules within these bounds. The correlations are chosen so that the SCR aggregated using this correlation matrix is maximised. All the business using the Standard Formula approach is within the with-profits funds. The integration approach does not allow for any diversification between these with-profits funds and the rest of the business.

E.4.4 Differences between Standard Formula and Internal Model methodologies and underlying assumptions

The main difference between the Standard Formula and Internal Model approach is that the methodology and assumptions used in the Internal Model are tailored to the Company's risk profile, whereas the Standard Formula uses a standardised approach.

The Standard Formula prescribes formulae to calculate the capital required driven by exposure to various risks; for the Internal Model the Company calibrates a distribution of losses for each risk and use these, along with a set of correlations between these risks, to derive a joint distribution of losses for the business. The capital requirement is derived from this joint distribution, to ensure the Company holds sufficient capital with 99.5% confidence. Calibrating risks for the Internal Model therefore requires detailed data analysis and use of statistical models to derive the most appropriate distribution.

The two bases also use a different treatment for loss absorbing capacity of technical provisions. Under the Internal Model net loss functions are used, whereas in the Standard Formula an adjustment is made to the gross SCR for the loss absorbing capacity of technical provisions. The calculation of loss absorbing capacity of tax also differs between the two approaches as this is specified by the Standard Formula calculation.

Another key difference is in the modelling approach used to aggregate the results. For the Internal Model, the Company determines an aggregate distribution of losses by combining marginal risk distributions for each risk using a Gaussian Copula and applying loss functions. The Standard Formula uses a hierarchical correlations approach, where explicit correlation matrices are used to combine sub-module losses within each risk module, and then to combine the calculated losses of the different risk modules.

A key feature of the Company's approach compared to the Standard Formula is that fat tailed risks are captured (i.e. risks where the probability of extreme values is higher than using the normal distribution) and non-linear loss profiles. In addition, the Company is able to model diversification more granularly and, in particular, capture important features such as geographical diversification. Another key difference is that the Internal Model reflects all material quantifiable risks to which the Company is exposed, whereas the Standard Formula only considers a subset of risks. These are detailed below.

Market risks module

- The Internal Model considers changes in market volatility, which are not explicitly modelled in the Standard Formula. Interest rate and equity volatility risks are particularly important for modelling business with guarantees.
- The Internal Model includes credit risk on sovereign bonds, which is not currently modelled under Standard
 Formula. The Internal Model also explicitly considers default migration and spread risks including some allowance
 for diversification between various credit exposures.

- Interest rates are modelled using three principal components, not just the change in the level of interest rates as under the Standard Formula.
- The Internal Model explicitly models inflation risk which is not included in the Standard Formula.
- For equity risk, only exposure to asset price falls is reflected in the Standard Formula, whereas the Internal Model allows for the full distribution of equity returns which allows exposure to equity values rising or falling to be captured.
- Health business written within the Company is modelled separately.

Counterparty default module

• The Standard Formula considers all counterparty default risk under one module, whereas the Internal Model allows for the type of the counterparty and the nature of the exposure.

Life Insurance module

 The Standard Formula assumes standard portfolios, whereas the Internal Model calibrations are tailored to the Company's specific portfolios.

Operational Risk

• The Internal Model models operational risks using a scenario based approach. The Standard Formula uses a formulaic approach.

E.5 Non-compliance with the MCR and non-compliance with the SCR (unaudited)

The Company complied with the MCR and SCR at all times during 2017.

Aviva Life & Pensions UK Limited Solvency and Financial Condition Report 2017

F. Appendices

In this chapter

- F.1 Public disclosure templates
- F.2 Glossary
- F.3 Additional information on related undertakings
- F.4 Approvals and determinations
- F.5 Directors' statement
- F.6 Audit opinion

F.1 Public disclosure templates

The following pages contain the Company's public disclosure templates, as listed below:

- S.02.01.02 Balance Sheet
- S.05.01.02 Premiums, claims and expenses by line of business
- S.05.02.01 Premiums, claims and expenses by Country
- S.12.01.02 Life and health SLT technical provisions
- S.22.01.21 Impact of long term guarantees and transitional measures
- S.23.01.01 Own Funds
- S.25.02.21 Solvency Capital Requirement For undertakings using the standard formula and partial internal model
- S.28.01.01 Minimum Capital Requirement Only life or only non-life insurance or re-insurance activity

Assets	_	Solvency II Value C0010
ntangible assets	R0030	
Deferred tax assets	R0040	
Pension benefit surplus	R0050	
Property, plant & equipment held for own use	R0060 R0070	99,956,22
nvestments (other than assets held for index-linked and unit-linked contracts) Property (other than for own use)	R0080	
Holdings in related undertakings, including participations	R0090	2,143,13 24,345,60
Equities	R0100	8,733,40
- Equities - Listed	R0110	8,483,71
- Equities - Unlisted	R0120	249,68
Sonds	R0130	58,010,77
- Government Bonds	R0140	24,978,44
- Corporate Bonds	R0150	31,937,59
- Structured Notes	R0160	60,30
- Collateralised securities	R0170	1,034,43
Collective Investments Undertakings	R0180	887,21
Derivatives	R0190	5,209,23
Deposits other than cash equivalents	R0200	626,85
Other investments	R0210	,
Assets held for index-linked and unit-linked contracts	R0220	119,712,70
oans & mortgages	R0230	25,023,36
- Loans on policies	R0240	19,61
- Loans & mortgages to individuals	R0250	6,357,32
- Other loans & mortgages	R0260	18,646,42
Reinsurance recoverables from:	R0270	57,933,28
- Reinsurance recoverables - Non-life and health similiar to non-life	R0280	
- Reinsurance recoverables - Non-life excluding health	R0290	
- Reinsurance recoverables - Health similar to non-life	R0300	
- Reinsurance recoverables - Life and health similar to life, excluding health and index-linked and unit-linked	R0310	23,599,77
- Reinsurance recoverables - Health similar to life	R0320	460,28
- Reinsurance recoverables - Life excluding health and index-linked and unit-linked	R0330	23,139,48
- Reinsurance recoverables - Life index-linked and unit-linked	R0340	34,333,51
Deposits to cedants	R0350	
nsurance & intermediaries receivables	R0360	259,83
Reinsurance receivables	R0370	194,45
Receivables (trade, not insurance)	R0380	3,362,99
Own Shares (held directly)	R0390	
Amounts due in respect of own fund items or initial fund called up but not yet paid in	R0400	
Cash and cash equivalents	R0410	594,84
Any other assets, not elsewhere shown	R0420	59,45
Total assets	R0500	307,097,15
Liabilities		
Fechnical provisions - Non-life	R0510	
	110010	
- Technical provisions - Non-life (excluding health)	R0520	
·		
- Technical provisions - Non-life (excluding health)	R0520	
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health)	R0520 R0530 R0540 R0550	
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life)	R0520 R0530 R0540 R0550 R0560	
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life)	R0520 R0530 R0540 R0550	
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life)	R0520 R0530 R0540 R0550 R0560 R0570 R0580	
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life)	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590	
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life)	R0520 R0530 R0540 R0550 R0560 R0570 R0580	104,913,28
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life)	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590	
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Fisk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life)	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600	
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life)	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630	104,913,28 909,86 908,03
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) Fechnical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life)	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640	909,86 908,03 1,83
Technical provisions - Non-life (excluding health) TP calculated as a whole - Non-life (excluding health) Best Estimate - Non-life (excluding health) Risk margin - Non-life (excluding health) Technical provisions - Health (similar to non-life) TP calculated as a whole - Health (similar to non-life) Best Estimate - Health (similar to non-life) Risk margin - Health (similar to non-life) Technical provisions - Life (excluding index-linked and unit linked) Technical provisions - Health (similar to life) TP calculated as a whole - Health (similar to life) Best Estimate - Health (similar to life) Risk margin - Health (similar to life) Risk margin - Health (similar to life) Technical provisions - Life (excluding health and index-linked and unit-linked)	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650	909,86
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Risk margin - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked)	R0520 R0530 R0540 R0550 R0550 R0560 R0570 R0580 R0690 R0600 R0610 R0620 R0630 R0640 R0650 R0660	909,86 908,03 1,83 104,003,41
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked)	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650 R0660 R0660	909,86 908,03 1,83 104,003,41 103,302,12
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) Fechnical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked)	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0690 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680	909,86 908,03 1,83 104,003,41 103,302,12 701,29
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked)	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0690 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0690	909,86 908,03 1,83 104,003,41 103,302,12 701,29
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Risk margin - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked)	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0690 R0700	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0690 R0700 R0710	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Best Estimate - Index-linked and unit-linked - Best Estimate - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0690 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0690 R0700 R0710 R0720	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0690 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0690 R0700 R0710 R0720 R0740	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - TP calculated as a whole - Health (similar to life) - TP calculated as a whole - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Risk margin - Health (similar to life) - Risk margin - Health (similar to life) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0690 R0700 R0710 R0720 R0720 R0740 R0750	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to lon-life) - Technical provisions - Life (excluding index-linked and unit linked) - Te calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0700 R0710 R0720 R0740 R0750 R0760	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 40
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Best Estimate - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0690 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0690 R0710 R0720 R0740 R0750 R0750 R0760 R0770	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 40 50,212,05
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Roes - Risk margin - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0680 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0690 R0700 R0710 R0720 R0740 R0750 R0760 R0760 R0770 R0760	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 40 50,212,05 1,200,33
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - TP calculated as a whole - Health (similar to life) - TP calculated as a whole - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Risk margin - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0700 R0710 R0720 R0740 R0750 R0760 R0770 R0780 R0770 R0780 R0790	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 40 50,212,05 1,200,33 4,516,38
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to lon-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Risk margin - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Best Estimate - Index-linked and unit-linked - Best Estimate - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Provisions other than technical provisions - Pension benefit obligations - Deposits from reinsurers - Deferred tax liabilities - Derivatives - Debts owed to credit institutions	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0660 R0670 R0680 R0690 R0700 R0710 R0720 R0740 R0750 R0760 R0770 R0780 R0790 R0790 R0790 R0790	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 40 50,212,05 1,200,33 4,516,38 94,65
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - The calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - The calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Index-linked and unit-linked - The calculated as a whole - Index-linked and unit-linked - Best Estimate - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0700 R0710 R0720 R0740 R0750 R0760 R0770 R0780 R0790 R0800 R0800 R0800	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 40 50,212,05 1,200,33 4,516,38 94,65 4,554,58
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Rothingent liabilities - Provisions other than technical provisions - Penson benefit obligations - Deposits from reinsurers - Deferred tax liabilities - Debts owed to credit institutions - Financial liabilities other than debts owed to credit institutions - Financial liabilities other than debts owed to credit institutions - Financial liabilities other than debts owed to credit institutions	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0580 R0690 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0690 R0710 R0720 R0740 R0750 R0760 R0770 R0780 R0790 R0790 R0790 R0790 R0790 R0800 R08010 R0820	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 61,36 266,03 4 50,212,05 1,200,33 4,516,38 94,65 4,554,58 1,832,66
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to lon-life) - Risk margin - Health (similar to life) - TP calculated as a whole - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Risk margin - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Dest Estimate - Index-linked and unit-linked - Dest Estimate - Index-linked and unit-linked - Provisions other than technical provisions - Pension benefit obligations - Deposits from reinsurers - Deleposits from re	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0700 R0710 R0720 R0740 R0750 R0760 R0770 R0780 R0770 R0780 R0790 R0800 R0810 R0820 R0830	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 40 050,212,05 1,200,33 4,516,38 94,65 4,554,58 1,832,66 101,50
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Best Estimate - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to lon-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Risk margin - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Best Estimate - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Provisions other than technical provisions - Pension benefit obligations - Pension benefit o	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0660 R0650 R0660 R0670 R0680 R0700 R0710 R0720 R0740 R0750 R0760 R0770 R0780 R0790 R0800 R0810 R0820 R0820 R0820 R0830 R0840	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 40 50,212,05 1,200,33 4,516,38 94,65 4,554,58 1,832,66 101,50 550,47
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - Te calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - Te calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0700 R0710 R0720 R0740 R0750 R0760 R0770 R0780 R0790 R0800 R0810 R0820 R0830 R0820 R0830 R0840 R0850	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 40 50,212,05 1,200,33 4,516,38 94,65 4,554,58 1,832,66 101,50 550,47 1,116,09
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Fechnical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-linked - Ontingent liabilities - Poposits from reinsurers Deferred tax liabilities - Debts owed to credit institutions - Inancial liabilities other than debts owed to credit institutions - Inancial liabilities other than debts owed to credit institutions - Inancial liabilities - Subordinated liabilities - Subordinated liabilities	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0690 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0700 R0710 R0720 R0740 R0750 R0760 R0770 R0780 R0790 R0790 R0790 R0800 R0810 R0820 R0830 R0840 R0840 R0850 R0860	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 4,050,212,05 1,200,33 4,516,38 94,65 4,554,58 1,832,66 101,50 550,47 1,116,09
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Risk margin - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Risk margin - Index-linked and unit-l	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0590 R0600 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0700 R0710 R0720 R0740 R0750 R0760 R0770 R0780 R0790 R0800 R0790 R0800 R0810 R0820 R0840 R0840 R0850 R0860 R0860 R0870	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 40 50,212,05 1,200,33 4,516,38 94,65 4,554,58 1,832,66 101,50 550,47 1,116,09
- Technical provisions - Non-life (excluding health) - TP calculated as a whole - Non-life (excluding health) - Best Estimate - Non-life (excluding health) - Risk margin - Non-life (excluding health) - Technical provisions - Health (similar to non-life) - TP calculated as a whole - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Risk margin - Health (similar to non-life) - Technical provisions - Life (excluding index-linked and unit linked) - Technical provisions - Health (similar to life) - TP calculated as a whole - Health (similar to life) - Best Estimate - Health (similar to life) - Risk margin - Health (similar to life) - Risk margin - Health (similar to life) - Technical provisions - Life (excluding health and index-linked and unit-linked) - TP calculated as a whole - Life (excl health, index-linked and unit-linked) - Best Estimate - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Life (excl health, index-linked and unit-linked) - Risk margin - Index-linked and unit-linked - TP calculated as a whole - Index-linked and unit-linked - Best Estimate - Index-linked and unit-linked - Best Estimate - Index-linked and unit-linked - Risk margin - Index-lin	R0520 R0530 R0540 R0550 R0560 R0570 R0580 R0690 R0610 R0620 R0630 R0640 R0650 R0660 R0670 R0680 R0700 R0710 R0720 R0740 R0750 R0760 R0770 R0780 R0790 R0790 R0790 R0800 R0810 R0820 R0830 R0840 R0840 R0850 R0860	909,86 908,03 1,83 104,003,41 103,302,12 701,29 122,580,40 122,519,04 61,36 266,03 4,050,212,05 1,200,33 4,516,38 94,65 4,554,58 1,832,66 101,50 550,47 1,116,09

			L	ine of Business for: lif	e insurance obligations	3		Life reinsuran	ce obligations	
		Health [accepted non-proportional reinsurance]	Insurance with profit participation	Unit-linked or index-linked insurance	Other life insurance	Annuities stemming from non-life insurance contracts and relating to health insurance obligations	Annuities stemming from non-life insurance contracts and relating to insurance obligations other than health insurance	Health reinsurance	Life reinsurance	Total
		C0210	C0220	C0230	C0240	C0250	C0260	C0270	C0280	C0300
Premiums written										
Gross - Direct Business	R1410	201,941	279,757	6,603,160	4,844,715				-1,584	11,927,989
Reinsurers' share	R1420	103,581	8,265	-1,065,841	2,734,935					1,780,940
Net	R1500	98,360	271,493	7,669,000	2,109,780				-1,584	10,147,050
Premiums earned										
Gross - Direct Business	R1510	201,941	279,757	6,603,160	4,844,715				-1,584	11,927,989
Reinsurers' share	R1520	103,581	8,265	-1,065,841	2,734,935					1,780,940
Net	R1600	98,360	271,493	7,669,000	2,109,780				-1,584	10,147,050
Claims incurred										
Gross - Direct Business	R1610	119,512	3,709,934	6,761,679	3,969,136		3,417		48,653	14,612,331
Reinsurers' share	R1620	51,069	262	2,535,926	2,042,407		1,708		3,811	4,635,183
Net	R1700	68,443	3,709,672	4,225,753	1,926,730		1,708		44,842	9,977,148
Changes in other technical provisions										
Gross - Direct Business	R1710	-90,037	1,321,180	-153,758	-696,123		15,820		249,112	646,194
Reinsurers' share	R1720	-59,612	-1,050	7,132,315	-19,585		7,910		100,637	7,160,615
Net	R1800	-30,425	1,322,230	-7,286,073	-676,537		7,910		148,475	-6,514,421
Expenses incurred	R1900	59,117	194,535	543,396	112,431				583	910,060
Other expenses	R2500									35,476
Total expenses	R2600									945,536

Annex I S.05.02.01 Premiums, claims and expenses by Country Amounts in 000s

Amounts in 000s	_							
		Home Country	Т	op 5 countries (by amo	unt of gross premius wr	itten) - life obligations		Total Top 5 and home country
		C0150	C0160	C0170	C0180	C0190	C0200	C0210
	R1400		IE	DE	IM	GG	JE	
		C0220	C0230	C0240	C0250	C0260	C0270	C0280
Premiums written								
Gross	R1410	10,774,100	960,561	79,209	75,129	18,054	14,044	11,921,098
Reinsurers' share	R1420	1,716,392	48,085	61	7,880	5,425	3,097	1,780,940
Net	R1500	9,057,709	912,477	79,148	67,249	12,628	10,947	10,140,158
Premiums earned								
Gross	R1510	10,774,100	960,561	79,209	75,129	18,054	14,044	11,921,098
Reinsurers' share	R1520	1,716,392	48,085	61	7,880	5,425	3,097	1,780,940
Net	R1600	9,057,709	912,477	79,148	67,249	12,628	10,947	10,140,158
Claims incurred								
Gross	R1610	13,580,971	793,353	18,747	86,238	48,086	62,713	14,590,108
Reinsurers' share	R1620	4,573,584	36,561		4,640	10,310	10,087	4,635,183
Net	R1700	9,007,387	756,792	18,747	81,597	37,776	52,626	9,954,925
Changes in other technical provisions								
Gross	R1710	663,930	-130,653	77,389	-5,549	3,524	29,587	638,226
Reinsurers' share	R1720	7,157,887	2,428	44	752	-811	1,410	7,161,710
Net	R1800	-6,493,958	-133,081	77,346	-6,301	4,334	28,176	-6,523,483
Expenses incurred	R1900	784,927	81,725	22,266	5,938	5,318	6,808	906,982
Other expenses	R2500			· ·	,			28,534
Total expenses	R2600							935,516

Life and Health SLT Technical Provisions

Amounts in 000s

		Insurance with profit participation		Unit-linked or index-linked insurance			Other life insurance		Annuities stemming from non-life insurance contracts and relating to insurance obligations other	Accepted reinsurance	
				Contracts without options and quarantees	Contracts with options or quarantees		Contracts without options and quarantees	Contracts with options or quarantees			Total (Life other than health insurance, incl. Unit-Linked)
		C0020	C0030	C0040	C0050	C0060	C0070	C0080	C0090	C0100	C0150
Technical provisions calculated as a whole	R0010										
Total Recoverables from reinsurance/SPV and Finite Re after the adjustment for expected losses due to counterparty default associated to TP as a whole Technical provisions calculated as a sum of BE and RM	R0020										
Best Estimate											
Gross Best Estimate	R0030	41,864,608		122,380,349	156,259		60,270,278	113,668	136,068	1,145,436	226,066,666
Total Recoverables from reinsurance and SPV after the adjustment for expected	R0080	3,954		34,322,209	11,303		22,770,759	2,767	71,302	290,698	57,472,993
losses due to counterparty default Best estimate minus recoverables from reinsurance and SPV - Total	R0090	41,860,654		88,058,140	144,956		37,499,519	110,901	64,766	854,738	168,593,674
Risk Margin	R0100	597,713	469,488			2,412,080			18,083	88,871	3,586,236
Amount of the transitional on Technical Provisions											
Technical Provisions calculated as a whole	R0110										
Best estimate	R0120	16,034		-27,756			-227,840		-430	-5,508	-245,500
Risk margin	R0130	-107,924	-411,460			-2,208,329			-18,083	-77,786	-2,823,582
Technical provisions - Total	R0200	42,370,431	122,566,880			60,359,858			135,639	1,151,013	226,583,821

			Health [accepted non-proportional reinsurance]		Annuities stemming from non-life insurance contracts and relating to health insurance obli	Health reinsurance	
			Contracts without options and quarantees	Contracts with options or quarantees			Total (Health similar to life insurance)
		C0160	C0170	C0180	C0190	C0200	C0210
Technical provisions calculated as a whole	R0010						
Total Recoverables from reinsurance/SPV and Finite Re after the adjustment for	R0020						
expected losses due to counterparty default associated to TP as a whole	110020						
Technical provisions calculated as a sum of BE and RM							
Best Estimate							
Gross Best Estimate	R0030		941,348			6	941,354
Total Recoverables from reinsurance and SPV after the adjustment for expected losses due to counterparty default	R0080		460,289				460,289
Best estimate minus recoverables from reinsurance and SPV - Total	R0090		481,059			6	481,065
Risk Margin	R0100	51,398				0	51,398
Amount of the transitional on Technical Provisions							
Technical Provisions calculated as a whole	R0110						
Best estimate	R0120		-33,319				-33,319
Risk margin	R0130	-49,566					-49,566
Technical provisions - Total	R0200	909,862				6	909,868

Annex I S.22.01.21

Impact of long term guarantees and transitional measures

Amounts in 000s

		measu transi
		Co
Technical Provisions	R0010	2
Basic Own Funds	R0020	
Eligible own funds to meet Solvency Capital Requirement	R0050	
Solvency Capital Requirement	R0090	
Eligible own funds to meet Minimum Capital Requirement	R0100	
Minimum Capital Requirement	R0110	

Amount with LG measures and transitionals	Impact of transitional on technical provisions	Impact of transitional on interest rate	Impact of volatility adjustment set to zero	Impact of matching adjustment set to zero
C0010	C0030	C0050	C0070	C0090
227,493,689	3,151,967		505,944	4,439,329
14,029,980	-2,714,834		-106,612	-4,262,023
14,029,980	-2,714,834	0	-106,612	-4,262,023
9,218,965	437,132		80,280	3,371,467
13,754,597	-2,692,978	0	-102,599	-4,093,449
2,304,741	109,283		20,070	842,867

Adjustment for restricted own fund items in respect of matching adjustment portfolios and ring fenced funds $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2} \right)$

Expected profits included in future premiums (EPIFP) - Life business

Total expected profits included in future premiums (EPIFP)

Expected profits included in future premiums (EPIFP) - Non-life business

Reconciliation reserve

Expected profits

Amounts in 000s						
		Total	Tier 1 Unrestricted	Tier 1 Restricted	Tier 2	Tier 3
Basic own funds before deduction for participations in other financial sector		C0010	C0020	C0030	C0040	C0050
as foreseen in article 68 of Delegated Regulation 2015/35 Ordinary share capital (gross of own shares)	R0010	192,000	192,000			
		192,000	192,000			
Share premium account related to ordinary share capital Initial funds, members' contributions or the equivalent basic own fund item for	R0030	0	0			
mutual and mutual-type undertakings	R0040					
Subordinated mutual member accounts	R0050					
Surplus funds	R0070	7,807,732	7,807,732			
Preference shares	R0090	500,000		322,259	177,741	
Share premium account related to preference shares	R0110					
Reconciliation reserve	R0130	4,414,153	4,414,153			
Subordinated liabilities	R0140	1,116,095		557,504	558,590	
An amount equal to the value of net deferred tax assets	R0160	0				
Other own fund items approved by the supervisory authority as basic own funds no specified above	t R0180					
Own funds from the financial statements that should not be represented by the reconciliation reserve and do not meet the criteria to be classified as Solvency II own funds Own funds from the financial statements that should not be represented by the reconciliation reserve and do not meet the criteria to be classified as Solvency II ow	_{/n} R0220					
funds Deductions						
Deductions for participations in financial and credit institutions	R0230					
Total basic own funds after deductions	R0290	14,029,980	12,413,885	879,763	736,331	
Ancillary own funds						
Unpaid and uncalled ordinary share capital callable on demand	R0300					
Unpaid and uncalled initial funds, members' contributions or the equivalent basic own fund item for mutual and mutual-type undertakings, callable on demand	R0310					
Unpaid and uncalled preference shares callable on demand	R0320					
A legally binding commitment to subscribe and pay for subordinated liabilities on demand	R0330					
Letters of credit and guarantees under Article 96(2) of the Directive 2009/138/EC	R0340					
Letters of credit and guarantees other than under Article 96(2) of the Directive 2009/138/EC	R0350					
Supplementary members calls under first subparagraph of Article 96(3) of the	R0360					
Directive 2009/138/EC Supplementary members calls other than under first subparagraph of Article 96(3) of the Directive 2009/138/EC	R0370					
Other ancillary own funds	R0390					
Total ancillary own funds - Solo	R0400					
Available and eligible own funds						
Total available own funds to meet the SCR	R0500	14,029,980	12,413,885	879,763	736,331	
Total available own funds to meet the MCR	R0510	14,029,980	12,413,885	879,763	736,331	
Total eligible own funds to meet the SCR	R0540	14,029,980	12,413,885	879,763	736,331	
Total eligible own funds to meet the MCR	R0550	13,754,597	12,413,885	879,763	460,948	
SCR	R0580	9,218,965				
MCR	R0600	2,304,741				
Ratio of eligible own funds to SCR	R0620	1.5219				
Ratio of eligible own funds to MCR	R0640	5.9680				
riatio of engine own fullus to mon	NU04U					
Reconciliation Reserve		C0060				
Excess of assets over liabilities	R0700	15,144,266				
Own shares (held directly and indirectly)	R0710	10,144,200				
Foreseeable dividends, distributions and charges	R0720	0.400 ===				
Other basic own fund items	R0730	8,499,732				

R0740

R0760

R0770

R0780

R0790

2,230,381

4,414,153

1,729,133

1,729,133

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1	1

Annex I

S.25.02.21 Solvency Capital Requirement - For undertakings using the standard formula and partial internal mod

Amounts in 000s

Unique number of component	Component Description			
C0010	C0020			
100000	Market Risk			
200000	Counterparty Risk			
300000	Life underwriting risk			
400000	Health underwriting risk			
500000	Non-life underwriting risk			
701000	Operational risk			
301000	Other risks			
302000	Loss-absorbing capacity of technical provisions			
303000	Loss-absorbing capacity of deferred tax			
304000	Other adjustments			

Calculation of the Solvency Capital Requirement	Amount modelled	USP	Simplifications
C0030	C0070	C0090	C0120
6,852,871	5,301,474		None
456,451	352,369		
4,981,639	3,999,032	None None None	None None None
1,158,136	1,078,594		
-570,007	-558,477		
-243,841	-243,841		

Calculation of Solvency Capital Requirement	
Total undiversified components	R0110
Diversification	R0060
Capital requirement for business operated in accordance with Art. 4 of Directive 2003/41/EC	R0160
Solvency Capital Requirement excluding capital add-on	R0200
Capital add-ons already set	R0210
Solvency capital requirement	R0220
Other information on SCR	
Amount/Estimate of the overall loss-absorbing capacity of technical provisions	R0300
Amount/Estimate of the overall loss-absorbing capacity of deferred taxes	R0310
Capital requirement for duration-based equity risk sub-module	R0400
Total amount of Notional Solvency Capital Requirements for remaining part	R0410
Total amount of Notional Solvency Capital Requirements for ring fenced funds	R0420
Total amount of Notional Solvency Capital Requirements for matching adjustment portfolios	R0430
Diversification effects due to RFF nSCR aggregation for article 304	R0440

C0100
12,635,249
-3,416,284
9,218,965
9,218,965
. ==
-4,776,216
-570,007
3,128,994
3,608,852
3,801,093

Annex I

S.28.01.01

Minimum Capital Requirement - Only life or only non-life insurance or reinsurance activity

Amounts in 000s

Linear formula component for non-life insurance and reinsurance obligations

Net (of reinsurance and proportional reinsurance reinsurance and proportional reinsurance reinsurance reinsurance and proportional reinsurance reins		R0010	C0010			
Medical expense insurance and proportional reinsurance R0020 R0030 R00					reinsurance/SPV) best estimate and TP calculated as a	written premiums in
Income protection insurance and proportional reinsurance R0040 R					C0020	C0030
Workers' compensation insurance and proportional reinsurance R0040 ————————————————————————————————————						
Motor vehicle liability insurance and proportional reinsurance R0050 R0060 R00						
Chipse C	·					
Marine, aviation and transport insurance and proportional reinsurance R0076 R007						
Fire and other damage to property insurance and proportional reinsurance General liability insurance and proportional reinsurance Credit and suretyship insurance and proportional reinsurance Credit and suretyship insurance and proportional reinsurance Reposes insurance and proportional reinsurance Reposes insurance and proportional reinsurance Reposes insurance and proportional reinsurance Repose R						
General liability insurance and proportional reinsurance Credit and suretyship insurance and proportional reinsurance Legal expenses insurance and proportional reinsurance R0100 Legal expenses insurance and proportional reinsurance R0120 Miscellaneous financial loss insurance and proportional reinsurance R0120 Miscellaneous financial loss insurance and proportional reinsurance R0130 Non-proportional health reinsurance R0140 Non-proportional health reinsurance R0150 Non-proportional property reinsurance R0150 Non-proportional property reinsurance R0160 Non-proportional property reinsurance R0170 R017						
Credit and suretyship insurance and proportional reinsurance R0100						
Legal expenses insurance and proportional reinsurance Assistance and proportional reinsurance Assistance and proportional reinsurance Miscellaneous financial loss insurance and proportional reinsurance Non-proportional health reinsurance Non-proportional casualty reinsurance Non-proportional marine, aviation and transport reinsurance Non-proportional property reinsurance Non-proportional marine, aviation and transport reinsurance obligations Non-proportional marine, aviation and transport reinsurance obligations Non-proportional marine, aviation and transport reinsurance obligations Non-proportional marine, aviation and transport reinsurance Non-proportional reinsurance obligations Non-proportional reinsurance obligations Non-proportional reinsurance obligations Non-proportional reinsurance obligations Non-proportional reinsurance Non-prop	* * * * * * * * * * * * * * * * * * * *					
Assistance and proportional reinsurance R0120 R0130 R0						
Miscellaneous financial loss insurance and proportional reinsurance Non-proportional health reinsurance Non-proportional causalty reinsurance Non-proportional causalty reinsurance Non-proportional marine, aviation and transport reinsurance Non-proportional property reinsurance and reinsurance obligations Non-proportional property reinsurance and reinsurance obligations Non-proportional property reinsurance obligations Non-proportional property reinsurance obligations Non-proportional property reinsurance obligations Non-proportional marine, aviation and transport reinsurance obligations Non-proportional property reinsurance obligations Non-proportional property reinsurance obligations Non-proportional causalty reinsurance obligation						
Non-proportional health reinsurance Non-proportional casualty reinsurance Non-proportional marine, aviation and transport reinsurance Non-proportional marine, aviation and transport reinsurance Non-proportional property reinsurance Non-proportional marine, aviation and transport reinsurance obligations Non-proportional marine, aviation and transport reinsurance obligation and transport reinsurance obligations Non-proportional marine, aviation and transport reinsurance obligation and transport r	• •					
Non-proportional casualty reinsurance Non-proportional marine, aviation and transport reinsurance Non-proportional property reinsurance Non-proportional drainsurance obligations Non-proportional marine, aviation and transport reinsurance Non-proportional drainsurance obligations Non-proportional marine, aviation and transport reinsurance Non-proportional property reinsurance Non-property Non-proportional property reinsurance Non-property Non-pro						
Non-proportional marine, aviation and transport reinsurance Non-proportional property reinsurance Linear formula component for life insurance and reinsurance obligations C0040 MCRL Result R020 1,723,600 Net (of reinsurance/SPV) best estimate and TP calculated as a whole C0050 C0060 Obligations with profit participation - Guaranteed benefits Obligations with profit participation - Future discretionary benefits R020 Obligations with profit participation - Future discretionary benefits R0210 R0200 R0200 R8,185,534 R0210 R0210 R0210 R0210 R0210 R0210 R0220 R0230 R0230 R0230 R0230 R0230 R0230 R0230 R0230 R0240 R0240 R0250 R0260 R0270 R0270 R0280 R0280 R0290						
Non-proportional property reinsurance Linear formula component for life insurance and reinsurance obligations C0040 MCRL Result R0200 1,723,600 Net (of reinsurance/SPV) best estimate and TP calculated as a whole whole whole of the component of the property reinsurance/SPV to the component of the property reinsurance/SPV to the component of the component o						
Linear formula component for life insurance and reinsurance obligations C0040 MCRL Result R020 1,723,600 Net (of reinsurance/SPV) best estimate and TP calculated as whole C0050 C0060 Obligations with profit participation - Guaranteed benefits Obligations with profit participation - Future discretionary benefits R0210 Deligations with profit participation - Future discretionary benefits R020 R						
Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimate and TP calculated as a whole Net (of reinsurance/SPV) best estimated and TP calculated as a whole Net (of reinsurance/SPV) best estimated and TP calculated as a whole Net (of reinsurance/SPV) best estimated and TP calculated as a whole Net (of reinsurance/SPV) best estimated and TP calculated as a whole Net (of reinsurance/SPV) best estimated and TP calculated as a whole Net (of reinsurance/SPV) best estimated and TP calculated as a whole Net (of reinsurance/SPV) best estimated and TP calculated as a whole Net (of reinsurance/SPV) best estimated and TP calculated as a whole Net (o	Non-proportional property reinsurance			H0170		
Net (of reinsurance/SPV) best estimate and whole TP calculated as a whole Net (of reinsurance/SPV) total capital at risk Obligations with profit participation - Guaranteed benefits R0210 2.5,668,109 C0060 Obligations with profit participation - Future discretionary benefits R0220 16,824,774 R0220 16,824,774 Index-linked and unit-linked insurance obligations R0230 88,185,534 R0240 38,117,503 Other life (re)insurance and health (re)insurance obligations R0240 38,117,503 R0240		R0200				
Obligations with profit participation - Future discretionary benefits R0220 16,824,774 Index-linked and unit-linked insurance obligations R0230 88,185,534 Other life (re)insurance and health (re)insurance obligations R0240 38,117,503					reinsurance/SPV) best estimate and	reinsurance/SPV)
Index-linked and unit-linked insurance obligations R0230 88,185,534 Other life (re)insurance and health (re)insurance obligations R0240 38,117,503					whole	·
Other life (re)insurance and health (re)insurance obligations R0240 38,117,503	Obligations with profit participation - Guaranteed benefits			R0210	whole C0050	·
					whole C0050 25,668,109	·
Total capital at risk for all life (re)insurance obligations R0250 330,003,107	Obligations with profit participation - Future discretionary benefits			R0220	whole C0050 25,668,109 16,824,774	·
	Obligations with profit participation - Future discretionary benefits Index-linked and unit-linked insurance obligations			R0220 R0230	whole C0050 25,668,109 16,824,774 88,185,534	·
Overall MCR calculation	Obligations with profit participation - Future discretionary benefits Index-linked and unit-linked insurance obligations Other life (re)insurance and health (re)insurance obligations			R0220 R0230 R0240	whole C0050 25,668,109 16,824,774 88,185,534	C0060
	Obligations with profit participation - Future discretionary benefits Index-linked and unit-linked insurance obligations Other life (re)insurance and health (re)insurance obligations Total capital at risk for all life (re)insurance obligations		00070	R0220 R0230 R0240	whole C0050 25,668,109 16,824,774 88,185,534	C0060
1,2,00	Obligations with profit participation - Future discretionary benefits Index-linked and unit-linked insurance obligations Other life (re)insurance and health (re)insurance obligations Total capital at risk for all life (re)insurance obligations Overall MCR calculation	Pozoc	C0070	R0220 R0230 R0240 R0250	whole C0050 25,668,109 16,824,774 88,185,534	C0060
	Obligations with profit participation - Future discretionary benefits Index-linked and unit-linked insurance obligations Other life (re)insurance and health (re)insurance obligations Total capital at risk for all life (re)insurance obligations Overall MCR calculation Linear MCR	R0300	1,723,600	R0220 R0230 R0240 R0250	whole C0050 25,668,109 16,824,774 88,185,534	C0060
3,115,411	Obligations with profit participation - Future discretionary benefits Index-linked and unit-linked insurance obligations Other life (re)insurance and health (re)insurance obligations Total capital at risk for all life (re)insurance obligations Overall MCR calculation Linear MCR SCR	R0310	1,723,600 9,218,965	R0220 R0230 R0240 R0250	whole C0050 25,668,109 16,824,774 88,185,534	C0060
	Obligations with profit participation - Future discretionary benefits Index-linked and unit-linked insurance obligations Other life (re)insurance and health (re)insurance obligations Total capital at risk for all life (re)insurance obligations Overall MCR calculation Linear MCR SCR MCR cap	R0310 R0320	1,723,600 9,218,965 4,148,534	R0220 R0230 R0240 R0250	whole C0050 25,668,109 16,824,774 88,185,534	C0060
	Obligations with profit participation - Future discretionary benefits Index-linked and unit-linked insurance obligations Other life (re)insurance and health (re)insurance obligations Total capital at risk for all life (re)insurance obligations Overall MCR calculation Linear MCR SCR MCR cap MCR floor	R0310 R0320 R0330	1,723,600 9,218,965 4,148,53 ² 2,304,741	R0220 R0230 R0240 R0250	whole C0050 25,668,109 16,824,774 88,185,534	C0060
C0070	Obligations with profit participation - Future discretionary benefits Index-linked and unit-linked insurance obligations Other life (re)insurance and health (re)insurance obligations Total capital at risk for all life (re)insurance obligations Overall MCR calculation Linear MCR SCR MCR cap MCR floor Combined MCR	R0310 R0320 R0330 R0340	1,723,600 9,218,965 4,148,534 2,304,741 2,304,741	R0220 R0230 R0240 R0250	whole C0050 25,668,109 16,824,774 88,185,534	C0060
Minimum Capital Requirement R0400 2,304,741	Obligations with profit participation - Future discretionary benefits Index-linked and unit-linked insurance obligations Other life (re)insurance and health (re)insurance obligations Total capital at risk for all life (re)insurance obligations Overall MCR calculation Linear MCR SCR MCR cap MCR floor	R0310 R0320 R0330	1,723,600 9,218,965 4,148,534 2,304,741 2,304,741	R0220 R0230 R0240 R0250	whole C0050 25,668,109 16,824,774 88,185,534	C0060

F.2 Glossary

A glossary explaining the key terms used in this report is available on www.aviva.com/glossary.

F.3 Additional information on related undertakings

The following table is a complete list of the Company's related undertakings as at 31 December 2017 and includes information in relation to the % ownership, class of shares held and country of incorporation of each related undertaking.

Direct related undertakings of the Company as at 31 December 2017 are listed below

Subsidiary or related undertaking	Registered Office	Nature of business	Incorporated in	Class of shares	% owned by the Company
Anna Livia Properties Limited	25/28 North Wall Quay Dublin 1 Ireland	Investment and development of property	Ireland	€1.00 Ordinary shares	100%
Aviva (Peak No.1) UK Limited	Pitheavlis Perth PH2 0NH	Dormant Company	Scotland	£1.00 Ordinary shares	100%
Aviva (Peak No.2) UK Limited	Aviva Wellington Row York YO90 1WR	Dormant Company	England and Wales	£1.00 Ordinary shares	100%
Aviva Annuity UK Limited	Aviva Wellington Row York YO90 1WR	Pension Funding	England and Wales	£1.00 Ordinary shares	100%
Aviva Equity Release UK Limited	Aviva Wellington Row York YO90 1WR	Financial intermediation	England and Wales	£1.00 Ordinary shares	100%
Aviva Investors European Renewable Energy S.A	16, Avenue de la Gare Luxembourg Grand duchy of Luxembourg L-1610 Luxembourg	Operating Company	Luxembourg	€1.00 Ordinary shares	100%
Aviva Investors Property Fund Management Limited	St Helen's 1 Undershaft London EC3P 3DQ	Dormant Company	England and Wales	£1.00 Ordinary shares	100%
Aviva Pension Trustees UK Limited	Aviva Wellington Row York YO90 1WR	Financial intermediation	England and Wales	£1.00 Ordinary shares	100%
Aviva Undershaft Four Limited	One Park Place Hatch Street Dublin 2	Dormant Company	Ireland	€1.25 Ordinary shares	100%
Barwell Business Park Nominee Limited	St Helen's 1 Undershaft London EC3P 3DQ	Dormant Company	England and Wales	£1.00 Ordinary shares	100%
Centaurus CER (Aviva Investors) Sarl	47 Avenue John F. Kennedy L - 1855 Luxembourg	Operating Company	Luxembourg	€100.00 Ordinary shares	100%

Cornerford Limited	St Helen's 1 Undershaft London EC3P 3DQ	Dormant Company	England and Wales	£1.00 A Ordinary £1.00 B Ordinary £1.00 Preference	100%
EBISU Investments Limited	1020 Eskdale Road Winnersh Wokingham RG41 5TS United Kingdom	In liquidation	England and Wales	£1.00 Ordinary shares	100%
EPI NU Societe a responsabilite limitee	47 Avenue John F. Kennedy L - 1855 Luxembourg	Dormant Company	Luxembourg	€25.00 Ordinary shares	100%
GA Life Property Ireland Limited	25/28 North Wall Quay Dublin 1 Ireland	In liquidation	Ireland	€1.27 Ordinary shares	100%
Goodman European Business Park Fund (Lux) Sarl	47 Avenue John F. Kennedy L - 1855 Luxembourg	Operating Company	Luxembourg	€25.00 Ordinary	42.3%
Hemel Hempstead Estate Management Limited	St Helen's 1 Undershaft London EC3P 3DQ	Management of real estate	England and Wales	£1.00 Ordinary shares	100%
Hexagone Sarl	16, Avenue de la Gare Luxembourg Grand duchy of Luxembourg L-1610 Luxembourg	Operating Company	Luxembourg	€25.00 Ordinary	100%
Hillswood Management Limited	Shakespeare House 42 Newmarket Road Cambridge CB5 8EP	Development of building projects	England and Wales	£0.10 A Ordinary £0.10 B Ordinary	0% of A Ordinary 23.5% of B Shares
Lancashire and Yorkshire Reversionary Interest Company Limited	Aviva Wellington Row York YO90 1WR	Life insurance	England and Wales	£9.25 Ordinary shares	100%
Matthew Parker Street (Nominee no 1) Limited	St Helen's 1 Undershaft London EC3P 3DQ	Dormant Company	England and Wales	£1.00 Ordinary shares	100%
Matthew Parker Street (Nominee no 2) Limited	St Helen's 1 Undershaft London EC3P 3DQ	Dormant Company	England and Wales	£1.00 Ordinary shares	100%
Norwich Union (Shareholder GP) Limited	St Helen's 1 Undershaft London EC3P 3DQ	Holding Company	England and Wales	£1.00 Ordinary shares	100%
Norwich Union Life Insurance Company Limited	Aviva Wellington Row York YO90 1WR	Dormant Company	England and Wales	£1.00 Ordinary shares	100%
Origo Services Limited	7 Lochside View Edinburgh EH12 9DH United Kingdom	Operating Company	Scotland	£1.00 Ordinary shares	21.6%
	2 Milgaoiii				81

Quarryvale One Limited	St Helen's 1 Undershaft London EC3P 3DQ	Development of building projects	England and Wales	£1.00 Ordinary shares	100%
Swan Valley Management Limited	St Helen's 1 Undershaft London EC3P 3DQ	Management of real estate	England and Wales	£1.00 A Ordinary £1.00 B Ordinary	100% (A Ordinary Shares) 0% (B Ordinary Shares)
Synergy Sunrise (Sentinel House) Limited	Aviva Wellington Row York YO90 1WR	Dormant Company	England and Wales	£1.00 Ordinary shares	100%
Tenet Group Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£0.0001 B Ordinary	24.4%
Victor Hugo 1 Sarl	16, Avenue de la Gare Luxembourg Grand duchy of Luxembourg L-1610 Luxembourg	Operating Company	Luxembourg	€25.00 Ordinary	100%
10-11 GNS LIMITED	St Helen's 1 Undershaft London EC3P 3DQ	Dormant Company	England and Wales	£1.00 Ordinary shares	100%
Aviva (Hayes Road) Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating Company	England and Wales	£1.00 Ordinary shares	100%
Aviva ERFA 15 UK Limited	Aviva Wellington Row York YO90 1WR	Operating Company	England and Wales	£1.00 Ordinary shares	100%
Aviva UKLAP De-Risking Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Dormant	England and Wales	£1.00 Ordinary shares	100%
AXA UK Infrastructure SAS	20 Place Vendome Paris 75001 France	Operating	France	€1.00 Ordinary Shares	100%
F&C Commercial Property Trust Limited	PO Box 255 Trafalgar Court Les Banques St Peter Port Guernsey GY1 3QL, Guernsey	Operating	Guernsey	£0.01 Ordinary Shares	20.65%
FPB Holdings GmBH	c/o WSWP Weinert GmbH Theatinerstr. 31 80333 Munich Germany	Operating	Germany	€1.00 A Ordinary €1.00 B Ordinary	100%

FPPE Fund Public Limited Company	Georges Court 54-62 Townsend Street Dublin 2 Ireland	Operating	Ireland	€1.00 Shares of No Par Value €1.00 Subscriber Shares	100%
Friends AELLAS Limited	Pixham End Dorking Surrey RH4 1QA United Kingdom	Dormant	England	£0.01 Ordinary	100%
Friends AELRIS Limited	Pixham End Dorking Surrey RH4 1QA United Kingdom	Operating	England	£1.00 Ordinary Shares	100%
Friends SL Nominees Limited	Pixham End Dorking Surrey RH4 1QA United Kingdom	Dormant	England	£1.00 Ordinary Shares	100%
Hengrove Park Bristol (Phase 2) Management Company Limited	Pixham End Dorking Surrey RH4 1QA United Kingdom	Dormant	England	£1.00 Ordinary Shares	100%
UKP Holdings Inc.	2711 Centreville Road Suite 400 Wilmington New Castle Delaware 19808 USA	Operating	United States	\$1.00 Common Stock \$100.00 Non Cumulative Preferred Stock	100%
Suntrust Limited	Pixham End Dorking Surrey RH4 1QA United Kingdom	Operating	England	£1.00 Ordinary shares	100%
Winslade Investments Inc	Cogency Global Inc. 850 New Burton Road Suite 201	Operating	United States	US\$ Common Stock US\$ A	100% 75.8%
	Dover Delaware Kent County 19904, USA			Preference US\$ B Preference	0%
Yatra Capital	C/O Citco Jersey Limited Second Floor No. 4 The Forum Grenville Street St Helier JE2 4UF Jersey	Operating	Jersey	Ordinary - No par value	27.27%
Cannock Consortium LLP	Nations House 3rd Floor 103 Wigmore Street London W2U 1WH United Kingdom	Operating	England and Wales	N/A (Limited Liability Partnership)	42%

Indirect related undertakings of the Company as at 31 December 2017 are listed below

manect related undertai	kings of the Company as a	it 31 December 2017 are ii	sted below		
Subsidiary or related undertaking	Registered Office	Nature of business	Incorporated in	Class of shares	% owned by the Company's subsidiary
AIEREF Holding 1	16, Avenue de la Gare Luxembourg Grand duchy of Luxembourg L-1610 Luxembourg	Operating Company	Luxembourg	€1.00 Ordinary shares	100%
AIEREF Holding 2	16, Avenue de la Gare Luxembourg Grand duchy of Luxembourg L-1610 Luxembourg	Operating Company	Luxembourg	€1.00 Ordinary shares	100%
AlEREF Renewable Energy SRO	5/482 Ve Svahu Prague 4 147 00 Czech Republic	Operating Company	Czech Republic	CZK1.00 Ordinary shares	100%
Eólica Almatret S.L.	1D, 13 Edificio América Av. de Bruselas, 28108, Alcobendas (Madrid), Spain	Operating Company	Spain	€2861.9427 Ordinary shares	50%
GEBPF Marseille (France) Sarl	62 Rue de la Chaussee d'Antin 75009 Paris France	Operating Company	France	€1.00 Ordinary shares	100%
Vauban Developpement Sarl	62 Rue de la Chaussee d'Antin 75009 Paris France	Operation Company	France	€50.00 Ordinary	42.3%
AFRP Sarl	16, Avenue de la Gare Luxembourg Grand duchy of Luxembourg L-1610 Luxembourg	Operating Company	Luxembourg	€25.00 Ordinary	100%
Sapphire lle de France 1 Sarl	16, Avenue de la Gare Luxembourg Grand duchy of Luxembourg L-1610 Luxembourg	Operating Company	Luxembourg	€25.00 Ordinary	100%
Sapphire lle de France 2 Sarl	16, Avenue de la Gare Luxembourg Grand duchy of Luxembourg L-1610 Luxembourg	Operating Company	Luxembourg	€25.00 Ordinary	100%
Sapphire lle de France SCI	24 - 26 rue de la Pepiniere 75008 Paris France	Operating Company	France	€1.23 Ordinary	100%
Quarryvale Three Limited	St Helen's 1 Undershaft London	Development of building project	England and Wales	£1.00 Ordinary shares	100%
	EC3P 3DQ				85

Reschop Carre Hattingen GmbH	Thurn-und-Taxis-Platz 6	Operating Company	Germany	€0.00 Ordinary	95%
	60313 Frankfurt am Main Germany				
Reschop Carre Marketing GmbH	Thurn-und-Taxis-Platz 6 60313 Frankfurt am Main	Operating Company	Germany	€1.00 Ordinary	100%
	Germany				1000/
20 Gracechurch	St Helen's	Operating	England and	£1 A Ordinary	100%
(General Partner) Limited	1 Undershaft London	Company	Wales	£1 B Ordinary	100%
Limited	EC3P 3DQ				
2-10 Mortimer Street	St Helen's	Operating Company	England and	£1 B Ordinary	100% (overall
GP Limited	1 Undershaft	- 1 9 1- 7	Wales	,	ownership
	London EC3P 3DQ				50%)
Apia Regional Office	St Helen's	Operating Company	England and	£1 A Ordinary	100%
Fund (General Partner)	1 Undershaft	Dissolved 04/01/ <u>2018</u>	Wales		(overall
Limited	London				ownership
Dissolved 04/01/ <u>2018</u>	EC3P 3DQ	On a set in a Common set	Faraland and	N1/A	50%)
Ascot Real Estate Investments GP LLP	St Helen's 1 Undershaft	Operating Company	England and Wales	N/A	50%
IIIVestillerits OF LLF	London		vvaies		
	EC3P 3DQ				
Aviva Investors (FP)	Pitheavlis	Dormant	Scotland	£1.00 Ordinary	100%
Limited	Perth			shares	
	PH2 0NH				
Aviva Investors (GP)	Pitheavlis	Operating Company	Scotland	£1.00 Ordinary	100%
Scotland Limited	Perth			shares	
Aviva Investors	PH2 0NH St Helen's	Operating Company	England and	£1.00 Ordinary	100%
Commercial Assets GP	1 Undershaft	operating company	Wales	shares	10070
Limited	London				
	EC3P 3DQ				
Aviva Investors EBC GP	St Helen's	Operating Company	England and	£1.00 Ordinary	100%
Limited	1 Undershaft		Wales	shares	
	London EC3P 3DQ				
Aviva Investors Ground	St Helen's	Operating Company	England and	£1.00 Ordinary	100%
Rent GP Limited	1 Undershaft	operating company	Wales	shares	.0070
	London				
	EC3P 3DQ				
Aviva Investors	St Helen's	Operating Company	England and	£1.00 Ordinary	100%
Infrastructure GP Limited	1 Undershaft London		Wales	shares	
Limited	EC3P 3DQ				
Aviva Investors Polish	St Helen's	Dormant	England and	£1.00 Ordinary	100%
Retail GP Limited	1 Undershaft		Wales	shares	
	London				
	EC3P 3DQ			54.00 D. II	1000/
Aviva Investors Social	St Helen's 1 Undershaft	Operating Company	England and Wales	£1.00 Ordinary shares	100%
Housing GP Limited	London		vvales	Shares	
	EC3P 3DQ				
Aviva Investors UK Real	St Helen's	Operating Company	England and	£1.00 Ordinary	100%
Estate Recovery	1 Undershaft	. 5 , ,	Wales	shares	
(General Partner)	London				
Limited	EC3P 3DQ				

Aviva Special PFI GP Limited	St Helen's 1 Undershaft London	Operating Company	England and Wales	£1.00 Ordinary shares	100%
Cardiff Bay GP Limited	EC3P 3DQ St Helen's 1 Undershaft London EC3P 3DQ	Dormant	England and Wales	£1.00 Ordinary shares	100%
Designer Retail Outlet Centres (General Partner) Limited	St Helen's 1 Undershaft London	Dormant	England and Wales	£1 A Ordinary	100% (overall ownership
Gobafoss General Partner Limited	EC3P 3DQ St Helen's 1 Undershaft London	Operating Company	England and Wales	£1.00 Ordinary shares	50%) 100%
Igloo Regeneration (General Partner) Limited	EC3P 3DQ St Helen's 1 Undershaft London	Operating	England and Wales	£1 A Ordinary	100% (overall ownership
Lime Property Fund (General Partner) Limited	EC3P 3DQ St Helen's 1 Undershaft London	Operating Company	England and Wales	£1.00 Ordinary shares	50%) 100%
New Oxford Street (General Partner) Limited	EC3P 3DQ St Helen's 1 Undershaft London	Dormant <i>Dissolved 03/01/<u>2018</u></i>	England and Wales	£1.00 Ordinary shares	100%
Dissolved 03/01/ <u>2018</u> NUPPP (GP) Limited	EC3P 3DQ St Helen's 1 Undershaft London	Operating Company	England and Wales	£1.00 Ordinary shares	100%
Paddington Central III (GP) Limited	EC3P 3DQ St Helen's 1 Undershaft London	Operating Company	England and Wales	£1 A Ordinary £1 B Ordinary	100% 100%
Quantum Property Partnership (General Partner) Limited	EC3P 3DQ 180 Great Portland Street London England	Operating Company	England and Wales	£1.00 Ordinary shares	50%
Rugby Radio Station (General Partner) Limited	W1W 5QZ St Helen's 1 Undershaft London	Operating Company	England and Wales	£1 B Ordinary	100% (overall ownership
Serviced Offices UK GP Limited	EC3P 3DQ St Helen's 1 Undershaft London	Dormant	England and Wales	£1 A Ordinary	50%) 100% (overall ownership
Southgate General Partner Limited	EC3P 3DQ St Helen's 1 Undershaft London	Operating Company	England and Wales	£1 A Ordinary	50%) 100% (overall ownership
SUE GP LLP	EC3P 3DQ St Helen's 1 Undershaft London	Dormant	England and Wales	N/A	50%) 50%
The Designer Retail Outlet Centres (Livingston) General	EC3P 3DQ St Helen's 1 Undershaft London	In Liquidation	England and Wales	£1.00 Ordinary shares	100%
Partner Limited	EC3P 3DQ				87

The Designer Retail Outlet Centres (Mansfield) General Partner Limited	St Helen's 1 Undershaft London	Operating Company	England and Wales	£1.00 Ordinary shares	100%
The Designer Retail Outlet Centres (York) General Partner Limited	EC3P 3DQ St Helen's 1 Undershaft London EC3P 3DQ	Operating Company	England and Wales	£1.00 Ordinary shares	100%
Tenet Business Solutions Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£1.00 Ordinary shares	24.4%
Tenet Client Services Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£1.00 Ordinary shares	24.4%
Tenet Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£1.00 Ordinary shares	24.4%
Aspire Financial Management Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£1.00 Ordinary shares	24.4%
Living in Retirement Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Active non-trading	England and Wales	£1.00 Ordinary shares	24.4%
Paragon Insurance Company Guernsey Limited	St Martin's House Le Bordage St Peter Port	Operating Company	Guernsey	£1 Ordinary Shares	24.4%
Sinfonia Asset Management Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£0.0001 Ordinary shares	24.4%
TenetFinancial Solutions Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£1.00 Ordinary shares	24.4%
Tenet Financial Services Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£1 A Ordinary £1 Redeemable Ordinary	34.64% 100% (overall combined 18.1%)
Tenet Platform Services Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£1.00 Ordinary shares	24.4%
TenetConnect Services Limited	5 Lister Hill Horsforth Leeds West Yorkshire	Operating Company	England and Wales	£1.00 Ordinary shares	24.4%
	LS18 5AZ				88

TenetConnect Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£1.00 Ordinary shares	24.4%
TenetLime Limied	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£1.00 Ordinary shares	24.4%
TenetSelect Limited	5 Lister Hill Horsforth Leeds West Yorkshire LS18 5AZ	Operating Company	England and Wales	£1.00 Ordinary shares	24.4%
Serviced Offices UK (Services) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Serviced Offices UK Nominee Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Quantum Property Partnership (Nominee) Limited	180 Great Portland Street London England W1W 5QZ	Dormant	England and Wales	£1 Ordinary shares	50%
BMG (Livingston) General Partner Limited Dissolved 04/01/ <u>2018</u>	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant Dissolved 04/01/ <u>2018</u>	England and Wales	£1 Ordinary shares	50%
BMG (Mansfield) General Partner Limited Dissolved 03/01/2018	1020 Eskdale Road Winnersh Wokingham RG41 5TS United Kingdom	Dormant Dissolved 03/01/ <u>2018</u>	England and Wales	£1 Ordinary shares	50%
BMG (York) General Partner Limited Dissolved 04/01/ <u>2018</u>	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Dormant Dissolved 04/01/ <u>2018</u>	England and Wales	£1 Ordinary shares	50%
Igloo Regeneration Developments (General Partner) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Igloo Regeneration Developments (Nominees) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Blueprint (General Partner) Limited	FIRST FLOOR OFFICE SUITE, 48-50 ST MARYS GATE, LACE MARKET, NOTTINGHAM, NG1 1QA	Operating	England and Wales	£1 B Ordinary	100% (overall ownership 25%)
Blueprint (Nominees) Limited	FIRST FLOOR OFFICE SUITE, 48-50 ST MARYS GATE, LACE MARKET, NOTTINGHAM, NG1	Dormant	England and Wales	£1 Ordinary shares	25%
	1QA				89

400 Caledonian Road Management Company Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Operating	England and Wales	£1 Ordinary shares	50%
Porth Teigr Management Company Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 B Ordinary	50%
Carillion-Igloo Limited	Carillion House, 84 Salop Street, Wolverhampton, WV3 0SR, United Kingdom	Operating	England and Wales	£1 Ordinary shares	25%
Maling Street Management Company Limited	Cheviot House Beaminster Way East Newcastle Upon Tyne NE3 2ER United Kingdom	Operating	England and Wales	£1 Ordinary shares	25%
Carillion-Igloo Nominees Limited	Carillion House, 84 Salop Street, Wolverhampton, WV3 0SR, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	25%
BIGG Regeneration (General Partner) Limited	SCOTTISH CANALS CANAL HOUSE, 1 APPLECROSS STREET, GLASGOW, G4 9SP, United Kingdom	Operating	Scotland	£1 A Ordinary	100% (overall ownership 25%)
Igloo Regeneration (Nominee) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Igloo Regeneration (Butcher Street) Limited	St Helen's 1 Undershaft LONDON, EC3P 3DQ United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Aviva Investors Polish Retail Sarl	16 Avenue de la Gare, Luxembourg, 1610, Luxembourg	Operating	Luxembourg	€100 Ordinary Shares	100%
Focus Mall Zielona Gora Sp. Z.o.o	A1., Jana Pawla II 25, Warsaw, Poland	Operating	Poland	PLZ50 Ordinary Shares	100%
Focus Park Piotrkow Trybunalski Sp.Zo.o	A1., Jana Pawla II 25, Warsaw, Poland	Operating	Poland	PLZ500 Ordinary Shares	100%
Lime Property Fund (Nominee) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	100%
Tyne Assets Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	100%
Tyne Assets (No. 2) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	100%
Rugby Radio Station (Nominee) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary shares	50%
	Kingdom				90

Southgate LP	St Helen's, 1	Dormant	England and	£1 Ordinary	50%
(Nominee 1)	Undershaft, LONDON,		Wales	shares	
Limited	EC3P 3DQ, United				
	Kingdom				
Southgate LP	St Helen's, 1	Dormant	England and	£1 Ordinary	50%
(Nominee 2)	Undershaft, LONDON,		Wales	shares	
Limited	EC3P 3DQ, United				
	Kingdom				
Aviva Investors	St Helen's, 1	Dormant	England and	Company	N/A
Social Housing Limited	Undershaft, LONDON,		Wales	Limited by	
	EC3P 3DQ, United			Guarantee	
	Kingdom				
Sue GP	St Helen's	Dormant	England and	£1 Ordinary	50%
Nominee Limited	1 Undershaft		Wales	shares	
	LONDON				
	EC3P 3DQ				
	United Kingdom				
Aviva Investors	16 Avenue de la Gare,	Operating	Luxembourg	€125 A Ordinary	100%
EBC Sarl	Luxembourg, 1610,			€125 B Ordinary	100%
	Luxembourg			€125 C Ordinary	100%
				€125 D Ordinary	100%
				€125 E Ordinary	100%
				€125 F Ordinary	100%
				€125 G Ordinary	100%
				€125 H Ordinary	100%
				€125 I Ordinary	100%
				€125 J Ordinary	100%
Wroclaw B.C.	Al Jana Pawla II 25, 00-	Operating	Poland	PLZ50	100%
Sp.zoo	854, Warsaw, Poland			Ordinary	
				Shares	
Lodz B.C.	A1., Jana Pawla II 25,	Operating	Poland	PLZ50	100%
Sp.zoo	Warsaw, Poland			Ordinary	
				Shares	
Aviva Investors	St Helen's, 1	Operating	England and	£1 Ordinary	100%
Ground Rent	Undershaft, LONDON,		Wales	shares	
Holdco Limited	EC3P 3DQ, United				
	Kingdom			64 6 11	1000/
Aviva Investors	c/o James Fletcher,	Operating	England and	£1 Ordinary	100%
GR SPV1 Limited	Mainstay, Whittington		Wales	shares	
	Hall, Whittington Road,				
	Worcester, England,				
	WR5 2ZX, United				
A	Kingdom	0	Finland	(0.10 O!'	1000/
Aviva Investors	c/o James Fletcher,	Operating	England and	£0.10 Ordinary	100%
GR SPV2 Limited	Mainstay, Whittington		Wales	shares	
	Hall, Whittington Road,				
	Worcester, England,				
	WR5 2ZX, United				
A. di va las va ata na	Kingdom	Onesations	Frankrad and	(0.10 Oudings	1000/
Aviva Investors	c/o James Fletcher,	Operating	England and	£0.10 Ordinary	100%
GR SPV3 Limited	Mainstay, Whittington		Wales	shares	
	Hall, Whittington Road,				
	Worcester, England, WR5 2ZX, United				
Aviva Investors	Kingdom c/o James Fletcher,	Operating	England and	f1 Ordinar	100%
GR SPV4 Limited	Mainstay, Whittington	Operating	England and Wales	£1 Ordinary shares	100 /0
ON OF V4 LITTILEU	Hall, Whittington Road,		vvaic2	311a1 C3	
	Worcester, England,				
	WR5 2ZX, United				
	Kingdom				
	Kinguom				91

Aviva Investors GR SPV5 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Aviva Investors GR SPV6 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Aviva Investors GR SPV7 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Aviva Investors GR SPV 8 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Aviva Investors GR SPV9 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Aviva Investors GR SPV 10 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£0.10 Ordinary shares	100%
Aviva Investors GR SPV11 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£0.10 Ordinary shares	100%
Aviva Investors GR SPV12 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£1.00 Ordinary shares	100%
Aviva Investors GR SPV13 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£1.00 Ordinary shares	100%
Aviva Investors GR SPV 14 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£1.00 Ordinary shares	100%

Aviva Investors GR SPV15 Limited	c/o James Fletcher, Mainstay, Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£1.00 Ordinary shares	100%
Aviva Investors GR SPV16 Limited	Whittington Hall, Whittington Road, Worcester, England, WR5 2ZX, United Kingdom	Operating	England and Wales	£1.00 Ordinary shares	100%
Mortimer Street Nominee 1 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Fitzroy Place Residential Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	50%
Mortimer Street Associated Co 1 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Mortimer Street Associated Co 2 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Fitzroy Place Management Co Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
2-10 Mortimer Street (GP No.1) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	50%
Mortimer Street Nominee 2 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Fitzroy Place GP 2 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Mortimer Street Nominee 3 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	50%
Aviva Investors REaLM Infrastructure No. 1 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Solar Clean Energy Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£0.01 Ordinary shares	100%
TGHC Limited	The Green, Easter Park, Benyon Road, Reading, Berkshire, England, RG7 2PQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%

Free Solar Holdco Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary shares	100%
Free Solar (Stage 1) Limited	Kingdom The Green, Easter Park, Benyon Road, Reading, Berkshire, England, RG7 2PQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Free Solar (Stage 2) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Anesco South West Limited	The Green, Easter Park, Benyon Road, Reading, Berkshire, England, RG7 2PQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Renewable Clean Energy Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
EES Operations 1 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Norton Energy SLS Limited	The Green, Easter Park, Benyon Road, Reading, Berkshire, England, RG7 2PQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Freetricity South East Limited	Argyll House, All Saints Passage, London, England, SW18 1EP, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Anesco Mid Devon Limited	The Green, Easter Park, Benyon Road, Reading, Berkshire, England, RG7 2PQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
New Energy Residential Solar Limited	The Green, Easter Park, Benyon Road, Reading, Berkshire, England, RG7 2PQ, United Kingdom	Operating	England	£1 Ordinary shares	100%
Homesun Limited	c/o ANESCO LIMITED, THE GREEN EASTER PARK, BENYON ROAD , READING, England, RG7 2PQ , United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Homesun 2 Limited	c/o ANESCO LIMITED, THE GREEN EASTER PARK, BENYON ROAD , READING, England RG7 2PQ United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%

Homesun 3 Limited	c/o ANESCO LIMITED, THE GREEN EASTER PARK, BENYON ROAD , READING, England, RG7 2PQ United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Homesun 4 Limited	c/o ANESCO LIMITED, THE GREEN EASTER PARK, BENYON ROAD , READING, England, RG7 2PQ United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Homesun 5 Limited	c/o ANESCO LIMITED THE GREEN EASTER PARK BENYON ROAD READING England, RG7 2PQ United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Aviva Investors REaLM Infrastructure No. 2 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Medium Scale Wind No.1 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
CE01 PEP Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
AD06 PEP Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
CE07 PEP Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
SE06 PEP Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
SE11 PEP Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Aviva Investors REaLM Infrastructure No. 4B Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary shares	100%
Aviva Investors REaLM Infrastructure No. 3 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	£1 Ordinary shares	100%
Biomass UK No.1 LLP	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England and Wales	N/A	75%

Sunrise Renewables (Hull) Limited	St Helen's, 1 Undershaft, LONDON,	Operating	England and Wales	£0.001 Deferred Shares	100%
	EC3P 3DQ, United Kingdom			£0.001 Ordinary Shares	100%
Biomass UK	St Helen's, 1	Operating	England and	£0.01 A	100%
No 2 Limited	Undershaft, LONDON,	operating	Wales	Ordinary	100%
140 Z Zimited	EC3P 3DQ, United		vvales	£0.01 B	100%
	Kingdom			Ordinary	100%
	Kingdom			£0.01 C	10070
				Ordinary	
				£0.01 Deferred	
				Shares	
Sunrise Renewables	St Helen's, 1	Operating	England and	£0.001 Ordinary	100%
(Barry) Limited	Undershaft, LONDON,	, 3	Wales	Shares	
-	EC3P 3DQ, United				
	Kingdom				
Biomass UK	St Helen's, 1	Operating	England and	£0.01 A	100%
No.3 Limited	Undershaft, LONDON,		Wales	Ordinary	100%
	EC3P 3DQ, United			£0.01 Deferred	
D D'	Kingdom			Shares	1000/
Boston Biomass	St Helen's, 1	Operating	England and	£0.01 Ordinary	100%
Limited	Undershaft, LONDON, EC3P 3DQ, United		Wales	Shares	
	Kingdom				
Boston Wood	St Helen's, 1	Operating	England and	£1 Ordinary	100%
Recovery	Undershaft, LONDON,	o poraumg	Wales	Shares	.0070
Limited	EC3P 3DQ, United				
	Kingdom				
Aviva Investors	St Helen's, 1	Dormant	England	£1 Ordinary	100%
REaLM	Undershaft, LONDON,			shares	
Infrastructure	EC3P 3DQ, United				
No. 4A Limited	Kingdom				
Aviva Investors	St Helen's, 1	Operating	England	£1 Ordinary	100%
REaLM	Undershaft, LONDON,			shares	
Infrastructure No. 5 Limited	EC3P 3DQ, United Kingdom				
Jacks Lane	St Helen's, 1	Operating	England	£1 Ordinary	100%
Energy	Undershaft, LONDON,	Operating	Lingiana	shares	10070
Limited	EC3P 3DQ, United			Silares	
	Kingdom				
Turncole	St Helen's, 1	Operating	England	£1 Ordinary	100%
Wind Farm	Undershaft, LONDON,	, ,	•	shares	
Limited	EC3P 3DQ, United				
	Kingdom				
Woolley Hill	St Helen's, 1	Operating	England	£1 Ordinary	100%
Electrical	Undershaft, LONDON,			shares	
Energy Ltd	EC3P 3DQ, United				
Den Brook	Kingdom St Helen's, 1	Operating	England	£1 Ordinany	100%
Energy Ltd	Undershaft, LONDON,	Operating	England	£1 Ordinary shares	100%
Lifergy Ltd	EC3P 3DQ, United			3110103	
	Kingdom				
Mill NU Properties	St Helen's, 1	Operating	England	£1 A Ordinary	100% (overall
Limited	Undershaft, LONDON,	. •	÷	£1 B Ordinary	ownership
	EC3P 3DQ, United				60%)
	Kingdom				
NU 3PS Limited	St Helen's, 1	Operating	England	£1 Ordinary	100%
	Undershaft, LONDON,			Shares	
	EC3P 3DQ, United				
	Kingdom				

Building a Future (Newham Schools) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Operating	England	£1 Ordinary Shares	100%
NUPPP Nominees Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England	£1 Ordinary Shares	100%
NU Developments (Brighton) Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
The Square Brighton Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NU Library for Brighton Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NU Local Care Centres (Bradford) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NU Local Care Centres (Farnham) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NUPPP (Care Technology and Learning Centres) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NU Offices for Redcar Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NU Schools for Redbridge Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NU Local Care Centres (Chichester No. 1) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NU Local Care Centres (Chichester No. 2) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NU Local Care Centres (Chichester No. 3) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NU Local Care Centres (Chichester No. 4) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%
NU Local Care Centres (Chichester No. 5) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Operating	England	£1 Ordinary Shares	100%

NU Local Care	St Helen's, 1	Operating	England	£1 Ordinary	100%
Centres (Chichester No. 6) Limited	Undershaft, LONDON, EC3P 3DQ, United Kingdom			Shares	
NU Technology and Learning Centres (Hackney) Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Operating	England	£1 Ordinary Shares	100%
11-12 Hanover Square Nominee 1 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
11-12 Hanover Square Nominee 2 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
30 Warwick Street Nominee 1 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
30 Warwick Street Nominee 2 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
30-31 Golden Square Nominee 1 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
30-31 Golden Square Nominee 2 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
130 Fenchurch Street Nominee 1 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
130 Fenchurch Street Nominee 2 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Operating	England and Wales	£1 Ordinary Shares	100%
Barratt House Nominee 1 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
Barratt House Nominee 2 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
Chancery House London Nominee 1 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
Chancery House London Nominee 2 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
Irongate House Nominee 1 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United Kingdom	Dormant	England and Wales	£1 Ordinary Shares	100%

Irongate House Nominee 2 Limited	St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
New Broad Street House Nominee 1 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
New Broad Street House Nominee 2 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
Pegasus House and Nuffield House Nominee	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
1 Limited Pegasus House and Nuffield House Nominee	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
2 Limited W Nine Nominee 1 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
W Nine Nominee 2 Limited	Kingdom St Helen's, 1 Undershaft, LONDON, EC3P 3DQ, United	Dormant	England and Wales	£1 Ordinary Shares	100%
Gobafoss Partnership Nominee No 1 Limited	Kingdom St Helen's 1 Undershaft LONDON EC3P 3DQ	Dormant	England and Wales	£1 Ordinary Shares	100%
Aviva Investors Infrastructure Income No.2B Limited	United Kingdom St Helen's 1 Undershaft LONDON EC3P 3DQ	Operating	England and Wales	£1 Ordinary Shares	100%
lli (Haywoodhead) Limited	United Kingdom Pitheavlis Perth PH2 ONH Scotland	Operating	Scotland	£1 Ordinary Shares	50%
lli (Garelwood) Limited	Pitheavlis Perth PH2 ONH Scotland	Operating	Scotland	£1 Ordinary Shares	100%
Coalville Wind Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ	Operating	Scotland	£1 Ordinary Shares	50%
London & Cambridge Energy Liimited	United Kingdom Pitheavlis Perth PH2 ONH Scotland	Operating	Scotland	N/A	TBC
Stafford Wind Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	Scotland	£1 Ordinary Shares	100%

Sunnyside 1 Wind Turbine Limited	Pitheavlis Perth PH2 ONH	Operating	Scotland	£0.01 Ordinary Shares	100%
Sunnyside 2 Wind Turbine Limited	Scotland St Helen's 1 Undershaft LONDON EC3P 3DQ	Operating	England and Wales	£0.01 Ordinary Shares	84%
Saunton Wind Limited	United Kingdom Pitheavlis Perth PH2 ONH	Operating	Scotland	£0.01 Ordinary Shares	20%
Pre (Whitehill) Limited	Scotland St Helen's 1 Undershaft LONDON EC3P 3DQ	Operating	England and Wales	£1 Ordinary Shares	50%
Windlend (Southrigg) Limited	United Kingdom St Helen's 1 Undershaft LONDON EC3P 3DQ	Operating	England and Wales	£0.01 Ordinary Shares	42.5%
Windlend (Leicestershire) Limited	United Kingdom St Helen's 1 Undershaft LONDON EC3P 3DQ	Operating	England and Wales	£0.50 Ordinary Shares	42.5%
Ili (Neilstonside) Limited	United Kingdom Pitheavlis Perth PH2 ONH Scotland	Operating	Scotland	£1 A Ordinary £1 B Ordinary	50%
Lli (Letham) Limited	Pitheavlis Perth PH2 ONH Scotland	Operating	Scotland	£1 Ordinary Shares	100%
Lli (West Strathore Farm) Limited	Pitheavlis Perth PH2 ONH Scotland	Operating	Scotland	£0.50 A Ordinary £0.50 B Ordinary	50%
Minnygap Energy Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ	Operating	England and Wales	£1 Ordinary Shares	100%
Houlton Commercial Management Company Limited	United Kingdom St Helen's 1 Undershaft LONDON EC3P 3DQ	Operating	England and Wales	N/A – Limited by Guarantee	50%
Houlton Community Management Company Limited	United Kingdom St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	England and Wales	N/A – Limited by Guarantee	50%
Chesterford Park (General Partner) Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	England and Wales	£1 A Ordinary £1 B Ordinary	100%

Chesterford Park (Nominees) Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	England and Wales	£1 Ordinary Shares	100%
Aviva Investors Secure Income REIT plc	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	England and Wales	£0.01 Ordinary Shares	100%
Aviva Investors UK CRESD GP Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	England and Wales	£1 Ordinary Shares	100%
Aviva Investors Energy Centres No.1 GP Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	England and Wales	£1 Ordinary Shares	100%
Aviva Investors REaLM Energy Centres GP Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	England and Wales	£1 Ordinary Shares	100%
COW Real Estate Investment General Partner Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Dormant	England and Wales	£1 Ordinary Shares	100%
COW Real Estate Investment Nominee Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Dormant	England and Wales	£1 Ordinary Shares	100%
1-5 Lowndes Square Management Company Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	England and Wales	£0.25 A Ordinary £0.25 B Ordinary	0% 100%
20 Lowndes Square Management Company Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	England and Wales	£0.25 A Ordinary £0.25 B Ordinary	0% 100%
41-42 Lowndes Square Management Company Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ United Kingdom	Operating	England and Wales	£0.25 A Ordinary £0.25 B Ordinary	0% 100%
43 Lowndes Square Management Company Limited	St Helen's 1 Undershaft LONDON EC3P 3DQ	Operating	England and Wales	£0.25 A Ordinary £0.25 B Ordinary	0% 100%
44-49 Lowndes Square Management Company Limited	United Kingdom St Helen's 1 Undershaft LONDON	Operating	England and Wales	£0.25 A Ordinary £0.25 B	0% 100%
	EC3P 3DQ United Kingdom			Ordinary	.5070

6-10 Lowndes Square	St Helen's	Operating	England and	£0.25 A	0%
Management	1 Undershaft		Wales	Ordinary	
Company Limited	LONDON			£0.25 B	100%
	EC3P 3DQ			Ordinary	
	United Kingdom				

Indirect related undertakings of the Company (managed, not owned) as at 31 December 2017 are listed below:

Related undertaking	Address	Incorporated in
Equity Release Funding (No.1)	c/o WILMINGTON TRUST SP SERVICES (LONDON)	England and Wales
plc	LIMITED	
	THIRD FLOOR	
	1 KING'S ARMS YARD	
	LONDON	
	EC2R 7AF	
Equity Release Funding (No.2)	c/o WILMINGTON TRUST SP SERVICES (LONDON)	England and Wales
plc	LIMITED	
	THIRD FLOOR	
	1 KING'S ARMS YARD	
	LONDON	
	EC2R 7AF	
Equity Release Funding (No.3)	c/o WILMINGTON TRUST SP SERVICES (LONDON)	England and Wales
plc	LIMITED	
	THIRD FLOOR	
	1 KING'S ARMS YARD	
	LONDON	
	EC2R 7AF	
Equity Release Funding (No.4)	c/o WILMINGTON TRUST SP SERVICES (LONDON)	England and Wales
plc	LIMITED	
	THIRD FLOOR	
	1 KING'S ARMS YARD	
	LONDON	
	EC2R 7AF	
Equity Release Funding (No.5)	c/o WILMINGTON TRUST SP SERVICES (LONDON)	England and Wales
plc	LIMITED	
	THIRD FLOOR	
	1 KING'S ARMS YARD	
	LONDON	
	EC2R 7AF	
Equity Release Holdings	c/o WILMINGTON TRUST SP SERVICES (LONDON)	England and Wales
Limited	LIMITED	
	THIRD FLOOR	
	1 KING'S ARMS YARD	
	LONDON	
	EC2R 7AF	
ERF Trustee (No. 4) Limited	c/o WILMINGTON TRUST SP SERVICES (LONDON)	England and Wales
	LIMITED	
	THIRD FLOOR	
	1 KING'S ARMS YARD	
	LONDON	
	EC2R 7AF	
ERF Trustee (No. 5) Limited	c/o WILMINGTON TRUST SP SERVICES (LONDON)	England and Wales
	LIMITED	
	THIRD FLOOR	
	1 KING'S ARMS YARD	
	LONDON	
	EC2R 7AF	
Equity Release Holdings	26 NEW STREET	Jersey
(Jersey) Limited	ST HELIER	
	JERSEY	
	JE2 3RA	
Equity Release Holdings (No.	c/o WILMINGTON TRUST SP SERVICES (LONDON)	England and Wales
5) Limited	LIMITED	
	THIRD FLOOR	
	1 KING'S ARMS YARD	
	LONDON	
	EC2R 7AF	103

Related undertakings of the Company - other investment funds at 31 December 2017 are listed below:

A list of the subsidiary undertakings and significant holdings in undertakings other than subsidiary undertakings of the company is show below. The list also includes holdings in open-ended investment companies (OEICs), societes d'investissement a capital variable (SICAVs), investment companies with variable capital (ICVCs) and liquidity funds where the Company has a significant holding in the underlying assets of the fund, where information is available.

Registered Address	Percentage of	Share Class
	Ownership	
FRANCE	•	
20, Place Vendome, 75001 Paris, France		
AXA LBO Fund IV Feeder	41%	Private Equity Fund
AXA UK Infrastructure Investment SAS	100%	Limited Company
47 rue du Faubourg Saint-Honoré, 75008, Paris 8, France		
CGU Equilibre	89%	FCP
5/7 rue de Monttessuy, 75007 Paris, France		
Elite 1818 Securite FCP	20%	FCP
GUERNSEY		
PO Box 255, Trafalgar Court, Les Banques, St Peter Port, Guernsey GY1 3QL, Channel Islands		
AXA Property Trust Limited	28%	Closed End
F&C Commercial Property Trust Limited	20%	Closed End
IRELAND		
25/28 North Wall Quay, Dublin, Ireland		
Aviva Investors European Liquidity Fund	77%	ICVC
Aviva Investors Sterling Government Liquidity Fund	47%	ICVC
Aviva Investors Sterling Liquidity Fund	74%	ICVC
Aviva Investors Sterling Strategic Liquidity Fund	81%	ICVC
33 Sir John Rogerson's Quay, Dublin 2, Ireland		
L&G Global Equity Index Fund	39%	ICVC
L&G Multi-Index III Euro	100%	ICVC
L&G Multi-Index IV Euro	100%	ICVC
L&G Multi-Index V Euro	100%	ICVC
George's Court, Mr William Roberts, 54-62 Townsend Street, Dublin 2, Ireland		
FPPE - PRIVATE EQUITY	100%	Limited Company
Guild House, Guild Street, IFSC, Dublin, Ireland		
Aviva Irl Merrion Multi Asset Fund	44%	Unit Trust
JERSEY		
19-21 Broad Street, St Helier, Jersey, Channel Islands, JE1 3PB		
11-12 Hanover Square LP Property Unit Trust	50%	Unit Trust
130 Fenchurch Street LP Property Unit Trust	50%	Unit Trust
30 Warwick Street LP Property Unit Trust	50%	Unit Trust
30-31 Golden Square S LP Property Unit Trust	50%	Unit Trust
Barrat House LP Property Unit Trust	50%	Unit Trust
Chancery House London LP Property Unit Trust	50%	Unit Trust
Irongate House LP Property Unit Trust	50%	Unit Trust
New Broad Street House LP Property Unit Trust	50%	Unit Trust
Pegasus House And Nuffield House LP Property Unit Trust	50%	Unit Trust

Registered Address	Percentage of Ownership	Share Class
22 Grenville Street, St. Helier, Jersey, JE4 8PX Channel Islands		
AXA SUN LIFE PRIVATE EQUITY (NO1) LP	100%	Limited Partnership
Lime Grove House , Green Street, St Helier, Jersey, Channel Islands, JE1 2ST		
20 Gracechurch Unit Trust - Closed	100%	Unit Trust
Designer Retail Outlet Centres Unit Trust	97%	Unit Trust
Quantum Unit Trust - Closed	50%	Unit Trust
Serviced Offices Unit Trust Closed	50%	Unit Trust
Southgate Property Unit Trust Open	50%	Unit Trust
LUXEMBOURG		
1c, rue Gabriel Lippmann, L-5365 Munsbach, Luxembourg		
PATRIARCH CLASSIC B&W GLOBAL FREESTYLE	27%	FCP
2 rue du Fort Bourbon, L-1249 Luxembourg, Grand Duchy of Luxembourg		
Aviva Investors Alt Income Solutions Fund Open Ended	98%	Limited Partnership
Aviva Investors Asian Equity Income Fund	44%	SICAV
Aviva Investors Emerging Markets Equity Income Fund	87%	SICAV
Aviva Investors Emerging Markets Equity Small Cap Fund	66%	SICAV
Aviva Investors Emerging Markets Local Currency Bond Fund	87%	SICAV
Aviva Investors European Corporate Bond Fund	26%	SICAV
Aviva Investors European Equity Income Fund	85%	SICAV
Aviva Investors European Real Estate Securities Fund	28%	SICAV
Aviva Investors Global Aggregate Bond Fund	94%	SICAV
Aviva Investors Global Convertibles Absolute Return Fund	70%	SICAV
Aviva Investors Global Convertibles Fund	23%	SICAV
Aviva Investors Global Emerging Markets Index Fund	83%	SICAV
Aviva Investors Global Equity Endurance Fund	81%	SICAV
Aviva Investors Global High Yield Bond Fund	39%	SICAV
Aviva Investors Global Investment Grade Corporate Bond Fund	72%	SICAV
Aviva Investors Long Term European Bond Fund	43%	SICAV
Aviva Investors Multi-Strategy Target Income Fund	23%	SICAV
Aviva Investors UK Opportunities Fund (SICAV)	57%	SICAV
Centaurus Cer (Aviva Investors) Sarl Ord	100%	Ordinary Shares
Hexagpone Sarl Equity	100%	FCP
Project Lion Vitus Group	100%	Fund
3 rue des Labours, L-1912 Luxembourg, Luxembourg		
Haspa Trendkonzept	37%	FCP
6 rue du Fort Bourbon, L-1249 Luxembourg, Grand Duchy of Luxembourg		
German Retail Fund	98%	FCP
7 rue du Fort Bourbon, L-1249 Luxembourg, Grand Duchy of Luxembourg		
Logaxes Closed	85%	FCP
9 rue du Fort Bourbon, L-1249 Luxembourg, Grand Duchy of Luxembourg		
EPI Nu Sarl	100%	Sarl
10 rue du Fort Bourbon, L-1249 Luxembourg, Grand Duchy of Luxembourg		
Victor Hugo I Sarl German Mandate Closed	100%	Fund

Registered Address	Percentage of	Share Class
	Ownership	
12 rue du Fort Bourbon, L-1249 Luxembourg, Grand Duchy of Luxembourg		
Victor Hugo Sarl Closed	100%	Fund
14 rue du Fort Bourbon, L-1249 Luxembourg, Grand Duchy of Luxembourg		
Aviva Investors European Renewable Energy Fund Sicav	100%	Sarl
47 Avenue John F Kennedy, Luxembourg		
Goodman Eur Business Park Offshore Prp Unit Trust	67%	Sarl
Parkridge CER II Ltd Partnership Eur	50%	Unit Trust
49 Avenue J.F. Kennedy, L-1855 Luxembourg, Grand Duchy of Luxembourg		
F&C Diversified Growth Fund	67%	SICAV
F&C European Growth & Income Fund	86%	SICAV
AXA IM Cash - Sterling Strateg Axa Im Cs Sterling Strat M	21%	FCP
DB X-Trackers li Iboxx Eur Sovereigns Eurozone 15+	35%	SICAV
UNITED KINGDOM		
100 Wood Street, London, EC2V 7AN, United Kingdom		
LIVINGBRIDGE 4 Limited Partnership	32%	Limited Partnership
31 Gresham Street, London EC2V 7QA, United Kingdom		
Schroder Institutional QEP Us Core I Inc	40%	Unit Trust
5 Old Broad Street, London EC2N 1AD, United Kingdom		
Architas Ma Active Growth Fund	20%	OEIC
Architas Multi-Manager Diversified Protector 70	48%	OEIC
Architas Multi-Manager Diversified Protector 80	35%	OEIC
50 Lothian Road, Festival Square, Edinburgh, EH3 9WJ, United Kingdom		
ASL CARAVEL LP	100%	Limited Partnership
ASL CLIPPER LP	100%	Limited Partnership
ASL MAINSAIL LP	100%	Limited Partnership
ASL SCHOONER LP	100%	Limited Partnership
ASL/SLAS XEBEC LP	100%	Limited Partnership
SLAS TOPSAIL LP	100%	Limited Partnership
50 Stratton Street, London, W1J 8LL		
Lazard Multicap UK Income R Acc	49%	OEIC
80 George Street, Edinburgh, EH2 3BU, United Kingdom		
F&C EUROPEAN CAPITAL PARTNERS LP	30%	Limited Partnership
AX7 Newgate Street, London EC1A 7NX, United Kingdom		
AXA Rosenberg American Fund	92%	OEIC
AXA Rosenberg Asia Pacific Ex-Japan Fund	92%	OEIC
AXA Rosenberg Global Fund	92%	OEIC
AXA Rosenberg Japan Fund	97%	OEIC
BlackRock Pensions, Murray House, 1 Royal Mint Court, London, EC3N 4HH		
Blackrock Aquila Connect Currency Hedged Glbl Equity Fund	22%	OEIC

Registered Address	Percentage of	Share Class	
F	Ownership		
Excel House, 30 Semple Street, Edinburgh EH3 8BL	010/	OFIC	
Liontrust UK Ethical 3 Inc (Sf Icvc) Gbp	81%	OEIC	
Liontrust Col Sf Corporate Bond Fund	44%	OEIC	
Liontrust Sustainable Fut Euro Gwth Fund	64%	OEIC	
Liontrust Sustainable Fut Mngd Fund	86%	OEIC	
Liontrust Sustainable Future Absolute Gwth Fund	74%	OEIC	
Liontrust Sustainable Future Gbl Gwth Fund	62%	OEIC	
Liontrust Sustainable Future UK Growth Fund	57%	OEIC	
Exchange House, Primrose Street, London, EC2A 2NY, United Kingdom			
F&C Global Bond Fund	37%	OEIC	
F&C Institutional UK Equity Fund	68%	OEIC	
F&C Mm Navigator Progressive Fund	23%	OEIC	
F&C Strategic Bond Fund	55%	OEIC	
St Helen's, 1 Undershaft, London, EC3P 3DQ, United Kingdom			
2-10 Mortimer Street Limited Partnership	50%	Limited Partnership	
Ascot Real Estate Investments LP Property Unit Trust	50%	Limited Partnership	
Aviva Investors Asia Pacific Property Fund	79%	OEIC	
Aviva Investors Cash Fund	60%	OEIC	
Aviva Investors Corporate Bond Fund	93%	OEIC	
Aviva Investors European Property Fund	72%	OEIC	
Aviva Investors Global Equity Endurance Fund	100%	OEIC	
Aviva Investors Global Equity Fund	88%	Collective Investment Scheme	
Aviva Investors Global Equity Income Fund	85%	OEIC	
Aviva Investors High Yield Bond Fund	24%	OEIC	
Aviva Investors Idx-Lkd Gilts Ovr 5 Yrs Idx Fd	87%	Collective Investment Scheme	
Aviva Investors Index Linked Gilt Fund	98%	Collective Investment Scheme	
Aviva Investors International Index Tracking Fund	43%	OEIC	
Aviva Investors Japan Equity Fund	98%	Collective Investment Scheme	
Aviva Investors Japan Equity Mom 1 Fund	75%	OEIC	
Aviva Investors Japanese Equity Index Fund	83%	Collective Investment Scheme	
Aviva Investors Managed High Income Fund	60%	OEIC	
Aviva Investors Managed Fight Income Fund	99%	Collective Investment Scheme	
Aviva Investors Multi-Asset 40 85 Shares Index Fund	100%	Collective Investment Scheme	
Aviva Investors Multi-Asset 40 00 Shares index Fund	44%	OEIC	
Aviva Investors Multi-Asset II und	40%	OEIC	
Aviva Investors Multi-Asset IIi Fund	51%	OEIC	
Aviva Investors Multi-Asset Iv Fund	39%	OEIC	
Aviva Investors Multi-Asset V Fund	41%	OEIC	
Aviva Investors Multi-Manager 20-60% Shares Fund	74%	OEIC	
Aviva Investors Multi-Manager 40-85% Shares Fund	71%	OEIC	
Aviva Investors Multi-Manager Flexible Fund	80%	OEIC	
Aviva Investors Multi-Strategy Target Income Fund	57%	SICAV	
Aviva Investors Multi-Strategy Target Return Fund	37%	SICAV	

Registered Address	Percentage of	Share Class
	Ownership	
Aviva Investors Non-Gilt Bond All Stocks Index Fund	91%	Collective Investment Scheme
Aviva Investors Non-Gilt Bond Over 15 Yrs Index Fund	98%	Collective Investment Scheme
Aviva Investors North American Equity Fund	99%	Collective Investment Scheme
Aviva Investors North American Equity Index Fund	100%	Collective Investment Scheme
Aviva Investors Pre-Annuity Fixed Interest Fund	98%	Collective Investment Scheme
Aviva Investors Private Equity Programme 2008 Onshore Closed	33%	Limited Partnership
Aviva Investors Sterling Corporate Bond Fund	27%	Collective Investment Scheme
Aviva Investors Sterling Gilt Fund	68%	Collective Investment Scheme
Aviva Investors Stewardship Fixed Interest Fund	97%	Collective Investment Scheme
Aviva Investors Stewardship International Equity Fund	98%	Collective Investment Scheme
Aviva Investors Stewardship UK Equity Fund	96%	Collective Investment Scheme
Aviva Investors Stewardship UK Equity Income Fund	96%	Collective Investment Scheme
Aviva Investors Strategic Bond Fund	30%	OEIC
Aviva Investors Strategic Global Equity Fund	98%	Collective Investment Scheme
Aviva Investors UK Eq Ex Aviva Inv Trusts Index Fund	99%	Collective Investment Scheme
Aviva Investors UK Equity Alpha Fund	97%	Collective Investment Scheme
Aviva Investors UK Equity Dividend Fund	96%	Collective Investment Scheme
Aviva Investors UK Equity Fund	73%	Collective Investment Scheme
Aviva Investors UK Equity Income Fund	79%	Collective Investment Scheme
Aviva Investors UK Equity Income Fund	54%	Collective Investment Scheme
Aviva Investors UK Equity Index Fund	72%	Collective Investment Scheme
Aviva Investors UK Equity Mom 1 Fund	86%	OEIC
Aviva Investors UK Gilts All Stocks Index Fund	78%	Collective Investment Scheme
Aviva Investors UK Gilts Over 15 Years Index Fund	99%	Collective Investment Scheme
Aviva Investors UK Index Tracking Fund	72%	OEIC
Aviva Investors UK Opportunities Fund (OEIC)	99%	OEIC
Aviva Investors Us Equity Index Fund	66%	Collective Investment Scheme
Capital Residential Fund - Life Co Holdings Only	88%	Unit Trust
Cardiff Bay Limited Partnership Closed	100%	Limited Partnership
Chesterford Park	50%	Limited Partnership
Cornerford Ltd Npv	100%	Ordinary Shares
Igloo Regeneration Fund	40%	Limited Partnership
Paddington Central 3 Unit Trust Closed	100%	Unit Trust
Parkridge Sarl	100%	Limited Partnership
Rugby Radio	50%	Limited Partnership
Sue Developments LP	50%	Limited Partnership
Whitgift Shopping Centre Unit Trust Closed	100%	Unit Trust

Registered Address	Percentage of Ownership	Share Class
Aviva Special PFI LP	100%	Limited Partnership
Aviva Investors 30 70 Global Eq Ccy Hedged Ind Fund	100%	Collective Investment Scheme
Aviva Investors 40 60 Global Equity Index Fund	99%	Collective Investment Scheme
Aviva Investors 50 50 Global Equity Index Fund	99%	Collective Investment Scheme
Aviva Investors 60 40 Global Equity Index Fund	99%	Collective Investment Scheme
Aviva Investors Asia Pacific Ex Japan Fund	98%	Collective Investment Scheme
Aviva Investors Balanced Life Fund	96%	Collective Investment Scheme
Aviva Investors Balanced Pension Fund	98%	Collective Investment Scheme
Aviva Investors Cautious Pension Fund	98%	Collective Investment Scheme
Aviva Investors Continental Euro Equity Index Fund	100%	Collective Investment Scheme
Aviva Investors Continental European Eq Alpha Fund	98%	Collective Investment Scheme
Aviva Investors Dev Asia Pacific Ex Japan Eq Ind Fund	69%	Collective Investment Scheme
Aviva Investors Dev Euro Ex UK Equity Index Fund	60%	Collective Investment Scheme
Aviva Investors Dev World Ex UK Equity Index Fund	88%	Collective Investment Schem
Aviva Investors Developd Overseas Gov Bd Ex UK Ind Fd	48%	Collective Investment Scheme
Aviva Investors Distribution Life Fund	96%	Collective Investment Schem
Aviva Investors Europe Equity Ex UK Fund	48%	Collective Investment Schem
Aviva Investors Global Equity Alpha Fund Woolgate Exchange, 25 Basinghall Street London EC2V 5HA, United Kingdom	98%	Collective Investment Schem
Investec Fund Series II - American Fund	24%	OEIC

F.4 Approvals and determinations

The following approvals, determinations and modifications apply for the Company at 31 December 2017:

F.4.1 Approvals

Approval	Further Information	PRA Reference
Matching adjustment in the calculation of technical provisions		4657691
Volatility adjustment in the calculation of technical provisions		4658257
Transitional measures on technical provisions	Friends Life Part VII transfer	4657753
Transitional measures on technical provisions	31 December 2017 reset	4850459
Partial internal model in the calculation of the SCR	5 December 2015: original approval	2243186
	1 March 2016: amendments and extensions to the internal model	2429705
	23 March 2017: amendments and extensions to the internal model	4105641
	21 December 2017: amendments and extensions to the internal model	4800491

The Company has none of the following: ancillary Own Funds, 'non-standard' items in Own Funds, use of transitional measure on the risk-free interest rate, application of the duration-based equity risk sub-module for standard formula operations or application of undertaking specific parameters for standard formula operations.

F.4.2 Determinations

The Company has a letter 20 July 2015 from the PRA on the application of the ring fenced fund restriction to the NWPSF and RIEESA as required by Article 80 of the Solvency II Delegated Acts.

F.4.3 Modifications

There are no modifications. No permission has been sought for non-disclosure of information in the SFCR.

F.5 Directors' statement

We acknowledge our responsibility for preparing the Solvency and Financial Condition Report of Aviva Life & Pensions UK Limited at 31 December 2017 in all material respects in accordance with the PRA Rules, the Solvency II Regulations, and the approvals, determinations and modifications listed in section F.4.

The Board is satisfied that to the best of its knowledge and belief:

a) throughout the financial year to 31 December 2017, the Company has complied in all material respects with the requirements of the PRA Rules and the Solvency II Regulations as applicable to the Company, and with the approvals, determinations and modifications listed in section F.4; and

b) it is reasonable to believe that in respect of the period from 31 December 2017 to the date of the publication of the SFCR, the Company has continued so to comply and that it will continue so to comply for the remainder of the financial year to 31 December 2018.

J M Windsor

Director

3 May 2018

F.6 Audit opinion

Report of the external independent auditors to the Directors of Aviva Life & Pensions UK Limited ('the Company') pursuant to Rule 4.1 (2) of the External Audit Part of the PRA Rulebook applicable to Solvency II firms

Report on the Audit of the relevant elements of the Solvency and Financial Condition Report

Opinion

Except as stated below, we have audited the following documents prepared by the Company as at 31 December 2017:

- The 'Valuation for solvency purposes' and 'Capital Management' sections of the Solvency and Financial Condition Report of the Company as at 31 December 2017, ('the Narrative Disclosures subject to audit'); and
- Company templates S.02.01.02, S.12.01.02, S.22.01.21, S.23.01.01 and S.28.01.01 ('the Templates subject to audit').

The Narrative Disclosures subject to audit and the Templates subject to audit are collectively referred to as the 'relevant elements of the Solvency and Financial Condition Report'.

We are not required to audit, nor have we audited, and as a consequence do not express an opinion on the **Other Information** which comprises:

- Information contained within the relevant elements of the Solvency and Financial Condition Report set out above which is, or derives from the Solvency Capital Requirement, as identified in the Appendix to this report;
- The 'Summary', 'Business and performance', 'System of governance' and 'Risk profile' elements of the Solvency and Financial Condition Report:
- Company templates S.05.01.02, S.05.02.01 and S.25.02.21;
- Information calculated in accordance with the previous regime used in the calculation of the transitional measure on technical provisions, and as a consequence all information relating to the transitional measure on technical provisions as set out in the Appendix to this report; and
- The written acknowledgement by management of their responsibilities, including for the preparation of the Solvency and Financial Condition Report ('the Responsibility Statement').

To the extent the information subject to audit in the relevant elements of the Solvency and Financial Condition Report includes amounts that are totals, sub-totals or calculations derived from the Other Information, we have relied without verification on the Other Information.

In our opinion, the information subject to audit in the relevant elements of the Solvency and Financial Condition Report of the Company as at 31 December 2017 is prepared, in all material respects, in accordance with the financial reporting provisions of the PRA Rules and Solvency II regulations on which they are based, as supplemented by supervisory approvals and determinations.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) (ISAs (UK)) including ISA (UK) 800 and ISA (UK) 805, and applicable law. Our responsibilities under those standards are further described in the *Auditors' Responsibilities for the Audit of the relevant elements of the Solvency and Financial Condition Report* section of our report. We are independent of the Company in accordance with the ethical requirements that are relevant to our audit of the Solvency and Financial Condition Report in the UK, including the FRC's Ethical Standard as applied to public interest entities, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Conclusions relating to going concern

We have nothing to report in respect of the following matters in relation to which the ISAs (UK) require us to report to you where:

- the directors' use of the going concern basis of accounting in the preparation of the Solvency and Financial Condition Report is not appropriate; or
- the directors have not disclosed in the Solvency and Financial Condition Report any identified material uncertainties
 that may cast significant doubt about the Company's ability to continue to adopt the going concern basis of
 accounting for a period of at least twelve months from the date when the Solvency and Financial Condition Report is
 authorised for issue.

Emphasis of Matter - Basis of Accounting

We draw attention to the 'Valuation for solvency purposes' and 'Capital Management' sections of the Solvency and Financial Condition Report, which describe the basis of accounting. The Solvency and Financial Condition Report is prepared in compliance with the financial reporting provisions of the PRA Rules and Solvency II regulations, and therefore in accordance with a special purpose financial reporting framework. The Solvency and Financial Condition Report is required to be published, and intended users include but are not limited to the Prudential Regulation Authority. As a result, the Solvency and Financial Condition Report may not be suitable for another purpose. Our opinion is not modified in respect of this matter.

Other Information

The Directors are responsible for the Other Information.

Our opinion on the relevant elements of the Solvency and Financial Condition Report does not cover the Other Information and we do not express an audit opinion or any form of assurance conclusion thereon.

In connection with our audit of the Solvency and Financial Condition Report, our responsibility is to read the Other Information and, in doing so, consider whether the Other Information is materially inconsistent with the relevant elements of the Solvency and Financial Condition Report, or our knowledge obtained in the audit, or otherwise appears to be materially misstated. If we identify such material inconsistencies or apparent material misstatements, we are required to determine whether there is a material misstatement in the relevant elements of the Solvency and Financial Condition Report or a material misstatement of the Other Information. If, based on the work we have performed, we conclude that there is a material misstatement of this Other Information, we are required to report that fact. We have nothing to report in this regard.

Responsibilities of Directors for the Solvency and Financial Condition Report

The Directors are responsible for the preparation of the Solvency and Financial Condition Report in accordance with the financial reporting provisions of the PRA rules and Solvency II regulations, supplemented by the approvals and determinations made by the PRA under section 138A of FSMA, the PRA Rules and Solvency II regulations on which they are based, as detailed in appendix F.4.

The Directors are also responsible for such internal control as they determine is necessary to enable the preparation of a Solvency and Financial Condition Report that is free from material misstatement, whether due to fraud or error.

Auditors' Responsibilities for the Audit of the relevant elements of the Solvency and Financial Condition Report

It is our responsibility to form an independent opinion as to whether the information subject to audit in the relevant elements of the Solvency and Financial Condition Report is prepared, in all material respects, in accordance with financial reporting provisions of the PRA Rules and Solvency II regulations on which they are based.

Our objectives are to obtain reasonable assurance about whether the relevant elements of the Solvency and Financial Condition Report are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance, but it is not a guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the decision making or the judgement of the users taken on the basis of the Solvency and Financial Condition Report.

A further description of our responsibilities for the audit is located on the Financial Reporting Council's website at: www.frc.org.uk/auditorsresponsibilities. This description forms part of our auditors' report.

This report, including the opinion, has been prepared for the Directors of the Company to comply with their obligations under External Audit rule 2.1 of the Solvency II firms Sector of the PRA Rulebook and for no other purpose. We do not, in providing this report, accept or assume responsibility for any other purpose save where expressly agreed by our prior consent in writing.

Other Matter

The Company has authority to calculate its Solvency Capital Requirement using a partial internal model ("the Model") approved by the Prudential Regulation Authority in accordance with the Solvency II Regulations. In forming our opinion (and in accordance with PRA Rules), we are not required to audit the inputs to, design of, operating effectiveness of and outputs from the Model, or whether the Model is being applied in accordance with the Company's application or approval order.

Report on Other Legal and Regulatory Requirements

In accordance with Rule 4.1 (3) of the External Audit Part of the PRA Rulebook for Solvency II firms we are also required to consider whether the Other Information is materially inconsistent with our knowledge obtained in the audit of the Company's statutory financial statements. If, based on the work we have performed, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

PricewaterhouseCoopers LLP
Chartered Accountants
7 More London Riverside
London
SE1 2RT

3 May 2018

Appendix - relevant elements of the Solvency and Financial Condition Report that are not subject to audit

The relevant elements of the Solvency and Financial Condition Report that are not subject to audit comprise:

- The following elements of template S.02.01.02:
 - Row R0550: Technical provisions non-life (excluding health) risk margin
 - Row R0590: Technical provisions health (similar to non-life) risk margin
 - Row R0640: Technical provisions health (similar to life) risk margin
 - Row R0680: Technical provisions life (excluding health and index-linked and unit-linked) risk margin
 - Row R0720: Technical provisions Index-linked and unit-linked risk margin
- The following elements of template S.12.01.02
 - Row R0100: Technical provisions calculated as a sum of BE and RM Risk margin
 - Rows R0110 to R0130 Amount of transitional measure on technical provisions
- The following elements of template S.22.01.21
 - Column C0030 Impact of transitional on technical provisions
 - Row R0010 Technical provisions
 - Row R0090 Solvency Capital Requirement
- The following elements of template S.23.01.01
 - Row R0580: SCR
 - Row R0740: Adjustment for restricted own fund items in respect of matching adjustment portfolios and ring fenced funds
- The following elements of Company template S.28.01.01
 - Row R0310: SCR
- Elements of the Narrative Disclosures subject to audit identified as 'unaudited'.