

Prudential International Assurance Plc.

Solvency and Financial Condition Report
Year Ended 31 December 2018

Summary	5
Business and Performance	7
A.1 Business.....	7
A.1.1 Name and legal form	7
A.1.2 Business operations	9
A.1.3 Significant events during the period	9
A.2 Underwriting performance.....	9
A.2.1 Overview of IFRS profits	10
A.2.2 IFRS profit analysed by Solvency II lines of business	10
A.2.3 IFRS profit analysed by material geographical territory	10
A.3 Investment performance	11
A.3.1 Investment analysis	11
A.3.2 Investment return.....	11
A.3.3 Investment management expenses	12
A.4 Performance of other activities	12
A.5 Any other information	12
A.5.1 Additional analysis of IFRS profits before tax by nature of revenue and charges.....	12
A.5.2 Premiums, claims and expenses	13
B. System of Governance	15
B.1 General information on the system of governance	15
B.1.1 Structure of the system of governance.....	15
B.1.2 Adequacy of systems of governance	20
B.1.3 Changes to the system of governance	20
B.1.4 Remuneration policy & practices	20
B.1.5 Transactions with the shareholders	22
B.2 Fit and proper requirements	22
B.2.1 Fit and Proper policy	22
B.2.2 Fit and Proper process.....	22
B.3 Risk management system including the own risk and solvency assessment	24
B.3.1 Risk management strategy.....	24
B.3.2 Risk policies & standards	26
B.3.3 Risk management processes	28
B.3.4 Risk monitoring.....	29
B.4 Internal control system.....	29
B.4.1 Compliance function	30
B.5 Internal audit function	31
B.6 Actuarial function.....	32
B.7 Outsourcing	33
B.7.1 Outsourcing policy	33
B.7.2 Outsourced operations and functions	34
B.8 Any other information	35

C. Risk Profile	36
C.1 Underwriting Risk	37
C.1.1 Context	37
C.1.2 Risk strategy and objectives	38
C.1.3 Risk management	38
C.2 Market risk	39
C.2.1 Context	39
C.2.2 Risk strategy and objectives	39
C.2.3 Risk management	39
C.3 Credit risk	40
C.3.1 Context	40
C.3.2 Risk strategy and objectives	40
C.3.3 Risk management	41
C.4 Liquidity risk	42
C.4.1 Context	42
C.4.2 Risk strategy and objectives	42
C.4.3 Risk management	42
C.5 Operational risk	43
C.5.1 Context	43
C.5.3 Risk management	45
C.6 Other material risks	46
C.7 Other information	48
C.7.1 Risk sensitivities	48
C.7.2 Prudent person principle	48
C.7.3 Management Actions and other Financial Mitigation Techniques Included in the SCR	48
D. Valuation for Solvency Purposes	49
D.1 Valuation of assets	49
D.1.1 Introduction	49
D.1.2 Valuation of assets	50
D.2 Technical provisions	53
D.2.1 Introduction	53
D.2.2 General principles	53
D.2.3 Quantitative results	54
D.2.4 Details on methodology and assumptions by lines of business	54
D.2.5 Simplifications	58
D.2.6 Changes in assumptions	58
D.2.7 Sensitivities & uncertainty	58
D.2.8 Reinsurance recoverables	58
D.2.9 Comparing Solvency II with the financial statements	59
D.3 Valuation of other liabilities	60
D.3.1 Introduction	60
D.3.2 Valuation bases under Solvency II compared to IFRS	60
D.4 Alternative methods for valuation	61
D.5 Any Other Information	62

E. Capital Management	63
E.1 Own funds	63
E.1.1 Overview	63
E.1.2 Objectives, policies and processes for managing own funds	63
E.1.3 Analysis of the components of own funds	63
E.1.4 Reconciliation of published Solvency II disclosure to QRT results	64
E.1.5 Comparison with financial statements	64
E.2 Solvency Capital Requirements and Minimum Capital Requirement	65
E.2.1 Overview	65
E.2.2 Results	65
E.3 Use of the duration-based equity risk sub-module in the calculation of the SCR	66
E.4 Differences between the standard formula and the internal model	66
E.4.1 Overview	66
E.4.2 Structure of the model and aggregation methodologies	67
E.4.3 Probability Distribution Function	67
E.4.4 Risks covered by standard formula and internal model	67
E.4.5 Main Differences in methodology and assumptions	68
E.4.6 Nature and appropriateness of data	68
E.5 Non-compliance with Minimum Capital Requirement and Solvency Capital Requirement	68
E.6 Any other information	68
Appendix	69

Summary

Company background

Prudential International Assurance plc (“PIA” or “The Company”) is an Irish domiciled and authorised insurance company whose principal activity is the transaction of life assurance business. PIA is a leading insurer in the UK offshore bond market while also providing risk insurance for its UK policyholders. Its focus in 2018 has been on the sale of multi-asset solutions in the UK, the Crown Dependencies and selected countries in continental Europe. PIA compliments the work of its parent, PAC, by competing in niche markets.

Business and performance

Profit for the year amounted to £5.97 million (2017: profit £10.7 million). Overall profit is lower than that of prior year mainly due higher administration costs incurred on development expenses. Further information on business performance is provided in section A.

As a result of the decision of the UK government to trigger Article 50 of the Lisbon Treaty and leave the European Union (“BREXIT”), Prudential Assurance Company (PAC) has transferred its long-term non-UK European business to PIA. The business includes an open book based in Poland and several closed books of business written by PAC France, PAC Malta, and those by Equitable Life Assurance Society branches in Germany and Ireland.

This was done via a Part VII transfer as sanctioned by the UK High Court of England and Wales effective 1 January 2019. Thus it is not included on the 31 December 2018 Balance Sheet.

As part of implementation, PIA set up a branch in Poland on a freedom of establishment basis. This branch will write new business in Poland from 1 January 2019 and accept the Part VII transfer of PAC’s existing Polish business.

System of governance

The Board of the Prudential International Assurance plc is collectively responsible for the long-term success of the Company and for providing leadership within a system of effective controls. The control environment enables the Board to identify significant risks and apply appropriate measures to manage and mitigate them.

We keep our governance structures under constant review to ensure they suit the needs of our business and stakeholders. Further information on the Company’s system of governance including information on the composition of its Board, key functions, risk management and internal control system is provided in section B.

Risk profile

Our Risk Management System is designed to ensure the business remains strong through stress events so we can continue to deliver on our long term commitments to our customers and shareholders. 2018 was a year of uncertainty and the financial strength of the Company remained robust throughout.

For our shareholders, we generate value by selectively taking exposure to risks that are adequately rewarded and that can be appropriately quantified and managed. We retain risks within a clearly defined risk appetite, where we believe doing so contributes to value creation and the Company is able to withstand the impact of an adverse stressed outcome.

The Company defines 'risk' as the uncertainty that we face in successfully implementing our strategies and objectives. This includes all internal or external events, acts or omissions that have the potential to threaten the success and survival of the Company. As such, material risks will be retained selectively where we think there is value in doing so, and where it is consistent with the PIA risk appetite.

For our retained risks, we ensure that we have the necessary capabilities, expertise, processes and controls to manage appropriately the exposure.

Further information on the main risks inherent in our business (namely market risk, credit risk, insurance or underwriting risk, liquidity risk, operational risk, business environment risk and strategic risk) and how we manage these risks, and maintain an appropriate risk profile is provided in section C.

Valuation for solvency purposes

The company adopted Solvency II as its capital regime with effect from 1 January 2016. This was developed by the EU in order to harmonise the various regimes previously applied across EU member states.

For the purposes of Solvency II reporting, the Company applies the Solvency II valuation rules to value the assets and liabilities of the Company:

- (i) As a general principle, technical provisions under Solvency II are valued at the amount for which they could theoretically be transferred immediately to a third party in an arm's length transaction. The technical provisions consist of the best estimate liability and the risk margin.
- (ii) The assets and other liabilities are valued under Solvency II at the amount for which they could be exchanged between knowledgeable and willing parties in arm's length transactions. The assets and other liabilities are valued separately using methods that are consistent with this principle in accordance with the valuation approaches set out in the Solvency II Directive.

Further information on the valuation of assets, technical provisions and other liabilities of the Company for solvency purposes is provided in section D.

Capital management

The Company has been granted approval by the Central Bank of Ireland to calculate its solvency capital requirement based on its internal model. The Company's solvency capital requirement has been met during 2018. At 31 December 2018, the Company's Solvency II surplus was £68 million.

Additional information on the components of the Company's own funds and solvency capital requirement is also provided in section E.

Business and Performance

A.1 Business

A.1.1 Name and legal form

Prudential International Assurance plc (“The Company” or “PIA”) is an Irish domiciled and authorised insurance company whose principal activity is the transaction of life assurance business.

In March 2018 Prudential plc announced its intention to demerge M&G Prudential from Prudential plc, resulting in two separately-listed companies, with different investment characteristics and opportunities.

PIA’s immediate parent company is The Prudential Assurance Company Ltd (“PAC”) whose in turn is M&G Prudential Ltd with the ultimate parent entity being Prudential Plc, an international financial services group with operations in Asia, Africa, the US and the UK. Each immediate parent company has a 100% interest in the equity capital of its subsidiary.

M&G Prudential Ltd is a new entity in this control flow since 2018 as a direct result of the planned demerger of M&G Prudential from Prudential Plc. The change of ownership was approved by the CBI in November 2018. Ultimately, Prudential Plc will be removed from this flow, leaving M&G Prudential Ltd as the parent company.

PIA is an Irish regulated entity and is subject to the relevant requirements and guidelines of the Central Bank of Ireland (“CBI”). The CBI offices are based at New Wapping Street, North Wall Quay, Dublin 1, Ireland.

In October 2014, PIA established an overseas branch operation, Prudential International Assurance UK Branch (PIA UK Branch), in the United Kingdom. PIA reports quarterly to the Prudential Regulation Authority in respect of sales and complaints. The Company established an overseas branch operation, Prudential International Assurance PLC SA Oddział w Polsce Branch, in Poland.





The Group, Prudential Plc., is supervised by the Prudential Regulation Authority (‘PRA’), the Company’s lead supervisor in accordance with the Financial Services and Markets Act 2000 (‘FSMA’). The PRA offices are based at Bank of England, Threadneedle Street, London, EC2R 8AH, United Kingdom.

The independent external auditor is KPMG. Their offices are based at 1 Harbourmaster Place, IFSC, Dublin 1.

Simplified structure of Prudential International Assurance plc as at 31 December 2018



Key

-  Ultimate parent undertaking
-  Relevant regulated entity
-  Other regulated entity
-  New controller
- P Parent undertaking (above the relevant regulated entity level)
- C Controller (above the relevant regulated entity level)

A.1.2 Business operations

Prudential International Assurance plc is a leading insurer in the offshore bond market while also providing risk insurance for its UK policyholders. Its focus in 2018 has been on the sale of multi-asset solutions to UK nationals resident in the UK and selected countries in continental Europe and the Crown Dependencies.

PIA current markets outside of the UK include France, Spain, Malta, Cyprus, Gibraltar and the Crown Dependencies (Isle of Man, Jersey and Guernsey). The Company also receives top up premiums for existing policies in other countries where it previously had operations (including for example Belgium, Germany, Austria & South America).

PIA UK Branch sells investment bonds to UK customers. The onshore product is an open architecture bond allowing customers to have access to a number of funds offered by external fund managers.

PIA has two lines of business: *unit-linked insurance* and *insurance with profit participation*. PIA UK Branch sells only unit-linked insurance business (“onshore bonds”).

Insurance with profit participation business comprises all single premium investment products that are invested in the PAC with profits funds via a reinsurance arrangement.

PIA offshore unit-linked business ranges from proprietary to open architecture products and also products that include mortality and morbidity benefits. Proprietary products are products where the policyholder can only invest in funds offered by PIA, whereas open architecture products allow policyholders to invest in a wide range of external funds and other assets.

A.1.3 Significant events during the period

Following the triggering of Article 50 by the UK government and ongoing negotiations in relation to this, a key risk to PIA is a possible loss of access to sell in the UK under the EU’s ‘freedom to provide services’ basis. Contingency plans are being put in place which will ensure PIA continues to be able to sell into this market post-Brexit.

The Company continues to assess and take advantage where appropriate of tactical and strategic opportunities as they arise and is exploring a number of developments which could be material for the business going forward.

The company did not propose or pay dividend during the year (2017: nil) on the ordinary shares.

There was a significant Prudential Group action that should be noted, although there was no direct impact on PIA and its operations.

In March 2018, Prudential Group announced its plans to demerge its UK & Europe business, M&G Prudential, from the remainder of its worldwide business. M&G Prudential will be an independent, capital-efficient business, headquartered and premium-listed in London. Prudential plc will combine the Asian, US and African business of the Group. It will also remain headquartered and premium-listed in London. PIA will form part of M&G Prudential entity once the demerger is complete.

A.2 Underwriting performance

The company’s financial statements were prepared in accordance with Financial Reporting Standard 101 Reduced Disclosure Framework (“FRS 101”).

In preparing these financial statements, the Company applies the recognition, measurement and disclosure requirements of International Financial Reporting Standards (IFRS) as adopted by the EU (“Adopted IFRSs”), but makes amendments where necessary in order to comply with the Companies Act 2014, and the European Union (Insurance Undertakings: financial statements) Regulations 2015. IFRS is the measurement basis used to report the results of the Company to PAC for inclusion in the Group results.

IFRS profit equates to premiums less claims (including change in technical provision) and expenses together with investment returns on insurance business and on investment business with discretionary participating features. Given the linkage between the movement of technical provisions and movement in investments (e.g. for unit-linked technical provisions), PIA has defined IFRS profit as its underwriting performance as discussed in this section.

A detailed breakdown of the principle components of the IFRS profit is contained in Section A.5.

A.2.1 Overview of IFRS profits

Overview of IFRS profits	2018 £m	2017 £m	Change %
Gross IFRS Profits	4.2	15.0	-72%
Tax credit / (charge) attributable to shareholders' returns	1.7	(4.3)	142%
Profit for the year attributable to shareholders	5.9	10.7	-44%

The profit for the year amounted to £5.9 million which related to continuing activities (2017: profit £10.7 million). Overall profit is lower than that of prior year mainly due higher administration costs incurred as a result of significant development expenses incurred in the period.

A.2.2 IFRS profit analysed by Solvency II lines of business

The gross IFRS profit is allocated by material Solvency II lines of business as follows:

Gross IFRS Profits	2018 £m	2017 £m	Change %
Insurance with profit participation	3.2	10.2	-69%
Unit-linked Insurance	1	4.8	-79%
Total	4.2	15.0	-72%

A.2.3 IFRS profit analysed by material geographical territory

The operating profit, as discussed above is allocated by material territory as follows:

Gross IFRS Profits	2018 £m	2017 £m	Change %
UK & Crown Dependencies	3.8	14.1	73%

Gross IFRS Profits	2018 £m	2017 £m	Change %
Other	0.4	0.9	67%
Total	4.2	15.0	-72%

A.3 Investment performance

A.3.1 Investment analysis

The following investments are held in respect of shareholder and policyholder linked assets.

	2018 £m	2017 £m	Change %
Fixed Income Securities	39	49	-20%
Collective Investment Schemes	1,589	1,688	-6%
Equities	8	8	-
Cash and Deposits	218	203	+7%
Other	2	6	-83%
Total Assets	1,856	1,954	-5%

A.3.2 Investment return

	2018 £m	2017 £m
Income		
Fixed Income Securities	2.1	2
Collective Investment Schemes	16.7	15
Cash and Deposits	0.2	0.1
Total income	19	17
Total realised gains	41	40
Total unrealised (losses) / gains	(152)	89
Total investment return	(92)	146

Investment income comprises interest, dividends and realised investment gains and losses on investments at fair value through profit or loss. Unrealised investment gains and losses on investments at fair value through profit or loss are separately disclosed in unrealised (losses)/gains on investments. Dividends are recognised on an ex-dividend basis. Interest is accounted for on an effective interest rate basis.

Investment in Collective Investment Schemes accounted for 86% of the total asset portfolio in 2018 and 2017, shareholder investment in Fixed Income Securities accounted for 2% the total asset portfolio in 2018 and for 3% in 2017, comprising of 2 UK (3 in 2017) and 1 French Government Bonds. The remaining asset portfolio is comprised of cash and deposits and other sundry receivables.

Investment income increased in 2018 mainly due to higher dividends on collective investment schemes.

The decrease in investment return of £238 million in 2018 principally reflects the increase in unrealised losses on Collective Investment Funds.

A.3.3 Investment management expenses

The company incurred £20.4 million (2017: £14.7 million) investment management expenses which relates to the policyholder costs incurred at fund level. Investment management expenses have increased in 2018 by 39% primarily due increase in assets under management and lower expenses during prior year due to a reclassification between investment management expenses and deferred tax.

A.4 Performance of other activities

There are no material activities carried out by the company other than those described above.

A.5 Any other information

A.5.1 Additional analysis of IFRS profits before tax by nature of revenue and charges

The following table shows the Company's total revenue and total charges for the years presented:

	2018 £m	2017 £m
Gross premiums written	920	832
Outward reinsurance premiums	(881)	(803)
Earned premiums, net of reinsurance	39	29
Investment income	60	57
Other income	60	51
Unrealised (losses) gains on investments	(152)	90
Total revenue, net of reinsurance	7	227
Claims paid - Gross amount	(413)	(371)
Claims paid - Reinsurers' share	362	325
Change in provision for claims - gross amount	(6)	(3)
Change in provision for claims - reinsurers' share	1	(1)
Change in life assurance provision - gross amount	(432)	(771)
Change in life assurance provision - reinsurers' share	431	772
Change in technical provision for linked liabilities	83	(44)
Change in financial liabilities – investment contracts	38	(66)
Net operating expenses	(46)	(37)
Investment expenses and charges	(20)	(15)
Foreign exchange gains/(losses)	(1)	(1)
Profit on ordinary activities before tax	4	15

Total IFRS profit before tax attributable to shareholders for the year ended 2018 is £4.2 million (2017: £15 million). Analysis of profit before tax is shown below by nature of revenue and charges.

A.5.2 Premiums, claims and expenses

A.5.2.1 Comparison of earned premiums with the prior period

Premiums earned (IFRS)	Insurance with profit participation £m	Index-linked and unit-linked insurance £m	2018 Total £m	2017 Total £m
Gross	875	45	920	832
Reinsurer's share	861	20	881	803
Net	14	25	39	29

The table above is made up of premiums earned on an IFRS basis from insurance contracts split by lines of business.

Total gross insurance premiums have increased compared to the prior year.

IFRS requires contracts written by insurers to be classified as either 'insurance contracts' or 'investment contracts'. For investment contracts, premiums are not included in the income statement. They are reflected as deposits on the balance sheet within technical provisions.

The table below represents total premiums earned from both insurance and investment contracts as reported in QRT S.05.01.

Premiums earned (SII)	Insurance with profit participation £m	Index-linked and unit-linked insurance £m	2018 Total £m	2017 Total £m
Gross	875	146	1,021	964
Reinsurer's share	861	20	881	803
Net	14	126	140	161

A.5.2.2 Comparison of claims with the prior period

Claims incurred (IFRS)	Insurance with profit participation £m	Index-linked and unit-linked insurance £m	2018 Total £m	2017 Total £m
Gross	351	67	418	375
Reinsurer's share	349	14	363	325
Net	2	53	55	50

The table above is made up of claims incurred on an IFRS basis from insurance contracts split by line of business.

The increase in claims is primarily driven by an increase in the value of surrenders during the period. The number of policies in force has increased in comparison to prior period.

IFRS requires contracts written by insurers to be classified as either 'insurance contracts' or 'investment contracts'. For investment contracts, claims are reflected as withdrawals on the balance sheet within technical provisions.

The table below represents total claims incurred from both insurance and investment contracts as reported in QRT S.05.01.

Claims incurred (SII)	Insurance with profit participation £m	Index-linked and unit-linked insurance £m	2018 Total £m	2017 Total £m
Gross	351	146	497	432
Reinsurer's share	349	14	363	325
Net	2	132	134	107

A.5.2.3 Comparison of expenses with the prior period

Net operating expenses have increased by 26% during the period. The primary driver of this increase is relates to development expenditure. In addition, acquisition costs incurred have increased due to an increase in distribution costs. Investment expenses increased primarily due to an increase in assets under management, to a reclassification between investment management expenses and deferred tax during the prior year.

B. System of Governance

B.1 General information on the system of governance

The PIA Risk Governance System provides a disciplined and structured process for the taking and managing the risk that includes the Prudential Code of Business Conduct. PIA as an Irish regulated entity is subject to the relevant requirements and guidelines of the Central Bank ('CBI'), the European Insurance and Occupational Pension Authority (EIOPA) and Solvency II. PIA is also required to comply with the General Good Requirements of the jurisdictions in which it sells into and subject to limited supervision by the regulators in those jurisdictions including the UK, France, Spain, Gibraltar, Malta and Cyprus. PIA is also authorised in Jersey, Guernsey and the Isle of Man.

B.1.1 Structure of the system of governance

The PIA Governance System includes the PIA Governance Principles, the PIA Board, Board Committees, and Management Committee structures, the apportionment and Delegation of Authorities and the Fit & Proper Approved Persons regime. The terms of references for all

Board/Management Committees sets out the decision making authorities, responsibilities and reporting lines of each Committee.

The risk management function, led by the Chief Risk Officer (CRO), has responsibility for maintaining the PIA Governance System and supporting risk management and model governance policies on behalf of the Board. The risk management function carries out oversight activity to ensure that the system operates effectively and is adhered to by the business. Any exceptions are highlighted within the regular risk reporting from the CRO and escalated internally and to the PIA Risk Committee, as appropriate.

PIA's approach to risk management is consistent with the 'three lines of defence' model, ensuring appropriate segregation of duties & oversight and challenge occurs on decision making.

The Board maintains a risk appetite statement with limits that inform decision making, reflect the entity's business model and are compatible with Group-wide risk appetite and limits. The Risk Management Function is involved at an appropriate early stage in all material decisions.

The CRO presents an update on risk to the Risk Committee each quarter and attends the Board meetings.

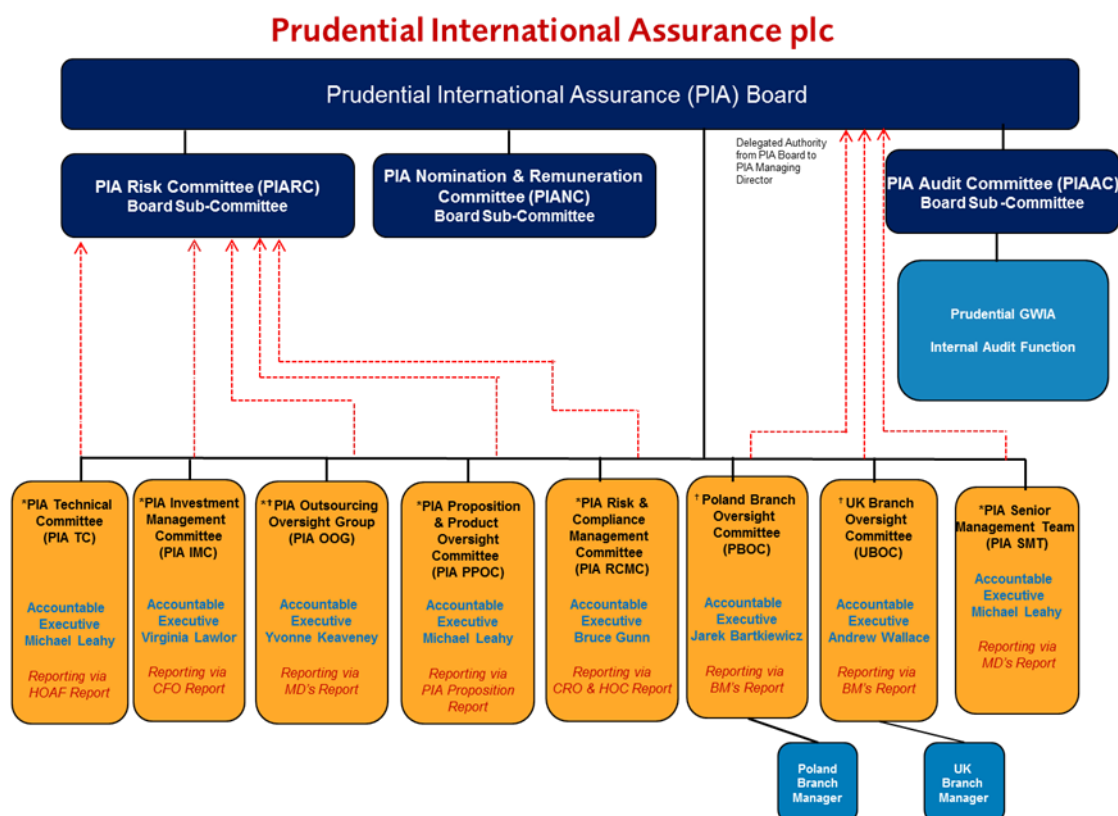
The Head of the Actuarial Function (HoAF) attends the Board meetings & Risk Committee meetings as required to cover, for example Solvency II Balance Sheet results and Own Risk & Solvency Assessment (ORSA).

The Head of Compliance presents an update on compliance matters to the Risk Committee on a quarterly basis.

The CRO & HoAF are members of the Technical Committee (PIATC). The purpose of the PIATC is to assist the Managing Director ("MD") of PIA in providing leadership, direction and oversight into the technical bases and practices of the PIA business for regulatory and statutory reporting purposes but also all other technical, financial and risk aspects of running the business.

B.1.1.1 Organisational structure

The PIA Board, Committees, and key functional areas involved in governance, risk management and oversight are set out below. The delegation of authority to Committees and individuals is a Board responsibility. Each committee can refer items to other relevant committees e.g. fund closures from the Investment Management Committee to the Proposition & Product Oversight Committee, Compliance/Customer matters from any of the Committee to the Risk and Compliance Management Committee.



* Includes oversight of PIA, UK Branch and Poland Branch

† New Oversight Group and Committees effective 1st January 2019

MD, Managing Director

CFO, Chief Financial Officer

HoAF, Head of Actuarial Function

HOC, Head of Compliance

BM, Branch Manager

B.1.1.1. PIA committee structure: statutory committees as at 31 December 2018. Note, changes to this structure effective from 1 January 2019 are covered under B1.3 below.

The Board has delegated functions of the Board to the following statutory committees:

- PIA Audit Committee (PIAAC)
- PIA Risk Committee (PIARC)
- PIA Nomination and Remuneration Committee (PIANC)

The Board has delegated authority to the Managing Director of the Company to exercise all the powers of the directors of the Company subject to: the limits imposed, approvals required and policy set by M&G Prudential and Group from time to time; and matters reserved to the Board.

To assist the Managing Director & the Board in the operations of the business the following advisory committees were established:

- PIA Technical Committee (PIATC)
- PIA Investment Management Committee (PIA IMC)

- PIA Proposition & Product Oversight Committee (PIA PPOC)
- PIA Risk and Compliance Management Committee (PIA RCMC)
- Poland Branch Oversight Committee (PBOC)
- UK Branch Oversight Committee (UBOC)
- PIA Senior Management Team (PIA SMT)

For the PPOC, TC, IMC & RCMC, a quarterly report on decisions made and issues to be escalated will be provided to the PIA Board or Risk Committee by a member other than the chair for information and the right to amend any decisions.

B.1.1.1.3 Functions

PIA at 31/12/2018 is organised on a functional basis, as detailed below:

- Managing Director
- Finance
- Actuarial
- Risk (which includes Compliance)
- Operations
- Commercial, Product Management & Marketing
- Proposition Development & Delivery
- Change & Transformation
- Poland

Heads of Functions together form the PIA Senior Management team (PIA SMT), with a reporting line into the PIA Managing Director, who in turn reports to the Board of PIA. The role, responsibilities and reporting lines of each member of the PIA SMT are documented in the relevant PIA SMT job role profile descriptions.

B.1.1.2 Roles & Responsibilities

PIA Board of Directors

The PIA Board is responsible for the long-term success of the Company and for providing leadership within the management framework. The control environment assists the Board in identifying significant risks to the business and applies appropriate measures to manage and mitigate them. The Board is responsible for approving the Company strategy and for ensuring the Company is suitably resourced to achieve it.

The Board is assisted in the discharge of its duties by a number of Committees, to which it has delegated certain responsibilities.

Audit Committee

The PIA Audit Committee is a sub-committee of the Board and its purpose is to assist the Board in meeting its responsibilities with respect to the integrity of the Company's financial statements, the effectiveness of the Company's internal control framework, and in monitoring the effectiveness and objectivity of the internal and external auditors.

The Audit Committee objectives also include reviewing, discussing and making any recommendations, as appropriate, on internal and external reporting, policies and procedures as

established by management; and in providing a monitoring and oversight function for work carried out by management.

The membership of the Audit Committee consists of at least three members all of which are non-executive Directors. The majority are independent, one of which takes the Chair.

Key responsibilities:

- Assist the Board in meeting its responsibilities with respect to the integrity of the Company's financial statements, the effectiveness of the Company's internal control and risk management systems, and in monitoring the effectiveness and objectivity of the internal and external auditors.
- Monitor the effectiveness of the Company's systems of internal control and approving the statements to be included in financial reports.
- Consider the effectiveness of the compliance arrangements, and approve annual compliance and risk assurance and audit plans.
- Review the procedures for managing allegations from whistle-blowers and arrangements for employees to raise concerns about possible financial reporting improprieties.

Risk Committee

The PIA Risk Committee (PIARC) is a sub-committee of the Board with the purpose of oversight and governance of PIA's risk framework, risk appetite and risk management systems, system of governance, Solvency II requirements and internal capital and own funds. The PIARC is also responsible for reviewing the companies material risk exposures against the risk methodologies and management actions to monitor and control such exposures.

The membership of the Risk Committee consists of at least three members and shall contain at least two non-executive Directors, at least one of whom should be independent.

Key responsibilities:

- To assist the Board by providing oversight and governance of the Company's risk system, risk appetite and risk management systems, systems of governance, Solvency II requirements and internal capital and own funds.
- Reviewing the Company's material risk exposures against the risk methodologies and management's actions to monitor and control such exposures.
- Assess the effectiveness of the risk system throughout the Company.
- Advise the Board on the risks inherent in strategic decisions and the business plans.
- Review the effectiveness of the internal model used for the purposes of Solvency II reporting with recommendations for changes as required to the model.

Nomination and Remuneration Committee

The PIA Nomination and Remuneration Committee is a sub-committee of the Board and assists the Board in meeting its responsibilities with respect to ensuring that the nomination practices of PIA.

Key responsibilities:

- To assist the Board in meeting its responsibilities with respect to ensuring that the nomination practices of the Company are compliant with various regulations and codes and that remuneration practices and framework are in line with the risk strategies of the Company and do not promote excessive risk taking.
- Monitoring, evaluating and reporting the Company's systems of governance in respect to nominations and remuneration.

The membership of the Committee consists of at least three members with the majority being independent directors.

B.1.2 Adequacy of systems of governance

The PIA governance system is in place to ensure:

- that the Governance structures are and continue to remain appropriate to the scale and nature of the Company's business
- that all policies and procedures are in place and adequately documented
- that the appropriate segregation of duties and responsibilities are clearly defined
- that there is an effective operation of the Prudential Group's system of internal controls
- and that reporting and disclosure requirements to satisfy regulatory and corporate governance requirements are in place.

The overall system of governance is reviewed annually for its adequacy to support the Company's business and is appropriately reported to the PIA Board.

B.1.3 Changes to the system of governance

The scope of the Board-approved policies in December 2018 covered both PIA and the PIA Branch in Poland. The Board approved the PIA Risk Governance Framework including changes to the committee structure of PIA. In addition, the Board were provided with the Poland Risk Appetite Statement and the Polish Governance Manual in the Board pack in December 2018.

As a result of PAC's Brexit planning, on 1st January 2019 it transferred business to PIA under a Part VII transfer. The Part VII transfer includes policies written by PAC Poland, PAC France, PAC Malta, and those by Equitable Life Assurance Society branches in Germany and Ireland. On 5th December 2018, the PIA Board approved changes to the governance committee structure effective from 1st January 2019 to allow for the management of this business. This involved the set-up of a PIA Outsourcing Oversight Committee (PIA OOG); a Poland Branch Oversight Committee (BPOC) and UK Branch Oversight Committee (UBOC).

B.1.4 Remuneration policy & practices

Remuneration practices within the M&G Prudential Business Unit and the statutory entities within it (i.e. PIA) follow Prudential Group remuneration policy and there is no separate remuneration policy at the Business Unit level.

Prudential's remuneration policy and practices ensure that the Business Units and the Group Head Office have an effective approach in place to reward our employees in an appropriate way which:

- Aligns incentives to business objectives in order to support the delivery of Group and Business Unit business plans and strategies.

- Enables the recruitment and retention of high calibre employees and incentivises them to achieve success for their Business Unit and the Group.
- Is consistent with the organisation's risk appetite.

The principles of the remuneration policy, implemented within PIA and M&G Prudential are:

- Pay for performance
- Tailored to the relevant market
- Interest in Prudential shares
- Business Unit and Group focus
- Shareholder value creation
- Fair and transparent system for all
- Designed to minimise regulatory and operational risk
- Safeguards to avoid conflicts of interest.

Remuneration architecture

Both fixed and variable remuneration is assessed against market data and internal relativities on an annual basis and balanced so that the fixed component represents a sufficiently high proportion of the total remuneration to avoid employees being overly dependent on the variable components and to mitigate unintended consequences and inappropriate behaviours to the detriment of customer outcome.

Variable remuneration available to employees includes short term-incentives (i.e. annual bonus, quarterly sales incentives for sales staff) and long-term incentive plan (“LTIP”) awards.

Annual bonus measures include various combinations of M&G Prudential financial and/or strategic targets, Group financial targets, functional targets and individual performance reflecting the level, nature and scope of the role and the practice in the market in which M&G Prudential operates. Currently, annual bonus awards are based on Business Unit and individual performance, and market practice. This allows the Group and Business Units to operate a fully flexible bonus policy, including the possibility of not paying annual bonus based on financial and non-financial criteria.

Awards made under the Group's LTIP plans include Group and Business Unit financial metrics. The LTIP awards to senior executives are made under the Prudential LTIP and include a group target to ensure their remuneration includes a link to the overall results of the group. Senior leadership beyond M&G Prudential and M&G Prudential executive committees receive LTIP awards based on Business Unit targets only.

Prudential does not operate supplementary pension or early retirement schemes at Group or Business Unit level.

Governance processes deliver robust oversight of reward, effective management of conflicts of interest and reflect the need to link remuneration decisions with Prudential's risk appetite. The Remuneration Committee is responsible for local implementation of group remuneration policy and structures for all employees of the relevant business to ensure alignment with the Company's business strategy, objectives, values, risk appetite and long-term interests. PIA's Nomination and Remuneration Committee is a management committee under PIA Board dedicated to implementing the remuneration policy and structures established by the Group Remuneration Committee and providing oversight of remuneration of Business Unit executives.

B.1.5 Transactions with the shareholders

The sole shareholder for PIA is its parent company The Prudential Assurance Company Limited (PAC). There were no transaction in 2018. The Part VII transfer as sanctioned by the UK High Court of England and Wales effective 1 January 2019 with PIA due to issue shares to PAC in 2019 as consideration for the business transferred.

B.2 Fit and proper requirements

The Company operates in line with the Central Bank of Ireland's fitness and probity regime as laid out in the Corporate Governance Requirements and in particular, the Fitness and Probity Standards ("Standards"). For Solvency II the particular focus is on the Solvency II key functions: Compliance, Internal Audit, Risk Management and Actuarial. However, the general Standards apply to all Controlled Functions ("CFs") and the corresponding pre-Approval Controlled Functions ("PCFs").

B.2.1 Fit and Proper policy

The Company ensures that each relevant individual to whom the policy applies, comply with the following requirements:

- They have an understanding of the regulatory landscape and of the relationship they have with the regulator (fit).
- Their professional qualifications, knowledge and experience are adequate to enable sound and prudent management (fit).
- They are of good repute, financial soundness and integrity (proper).

B.2.2 Fit and Proper process

B.2.2.1 Procedures for New Control Function (CF) Appointments

The PIA process conducted by Compliance includes the CBI requirements to maintain evidence of:

- Compliance with the Minimum Competency Code (MCC), where relevant, including Continuous Professional Development (CPD) requirements.
- Professional qualification(s).
- CPD records.
- Record of interview and application.
- References.
- Record of previous experience.
- Concurrent responsibilities.

The Company has processes for assessing the fitness and propriety of persons covered under its policy, including a number of direct questions and independent checks. These processes are described at a general level below:

- Develop and maintain appropriate processes for assessing the fitness and propriety of persons covered under this policy, including Key Function Performers; this may involve a number of direct questions and independent checks.
- During the recruitment process and before any regulatory application is made, an assessment of the person's fitness is conducted including:
 - The person's professional and formal qualifications.

- Relevant experience within the insurance sector, other financial sectors or other businesses.
- Where relevant, the insurance, financial, accounting, actuarial and management skills of the person.
- During the recruitment process and before any regulatory application is made, an assessment of the person's propriety is conducted including integrity, honesty, and financial soundness, based on evidence regarding their character, personal behaviour and business conduct, including any criminal, financial and supervisory checks.
- In relation to outsourced key functions, an individual who is responsible for assessing the fitness and propriety of the service provider is identified.

Independent verification checks which are also conducted include:

- The Individual is not a Disqualified or Restricted Director using the registers
- No disciplinary action has been taken by a regulatory body in Ireland or the UK
- The Individual does not appear on an Economic Sanctions list or Watch list
- No Judgments have been issued against the individual and that the individual has not been declared Bankrupt.

There are annual reviews to assess the on-going Fitness and Probity of the key individuals.

B.2.2.2 Procedures for New Pre-Approval Controlled Function (PCF) Appointments **CBI Approval process for PCFs**

Before a regulated financial service provider can appoint a person to a PCF, the Central Bank must have approved the appointment in writing. The Central Bank expects a regulated financial service provider to have conducted its own due diligence before proposing a person for appointment to a PCF.

The approval process requires the submission of a CBI individual questionnaire ("IQ"). The Central Bank expects that the approval process will be based on the IQ, reference checks, and in some cases requests for further information. Where the Central Bank considers it necessary, it may conduct an interview with proposed holders of PCFs before deciding on whether or not to approve an application.

Where a person wishes to apply for several PCFs in different regulated financial service providers, s/he must submit an application for each PCF. Due diligence for the vacant role must still be conducted even if the individual is already a CF holder for another function.

Where it is proposed that a new PCF appointment is made and a candidate chosen, the Head of Compliance must be informed so that an Online Application may be submitted to the CBI for pre-approval. An application to the CBI must be made even where the individual already occupies another CF or PCF role.

In addition, the PIA process for PCF also includes those tasks as outlined under B2.2.1 'Procedures for New Control Function (CF) Appointments'.

B.3 Risk management system including the own risk and solvency assessment

B.3.1 Risk management strategy

Prudential defines “risk” as the uncertainty the company faces in successfully implementing its strategies and objectives. This includes all internal or external events, acts or omissions that have the potential to threaten the success and survival of the company. As such, material risks will be retained only when this is consistent with the risk appetite statement of PIA and its philosophy towards risk-taking.

PIA’s risk governance comprises the organisational structures, reporting relationships, delegation of authority, and roles & responsibilities. These are established to make decisions and control activities on risk-related matters. Effective risk governance involves individuals, functions and committees involved in the management of risk.

The risk management system comprises the risk principles, strategy, policies, appetite and the risk management cycle. The PIA system of governance is based on the following six risk management principles to enable sound and prudent management of the business:

- Organisational Structure: PIA maintains an appropriate and transparent organisational structure with clear allocation of responsibilities and delegated authorities.
- Three Lines of Defence Model: PIA’s approach to risk management is consistent with the ‘Three lines of defence’ model, ensuring appropriate segregation of duties, oversight and challenge occurs on decision making.
- Risk Appetite Statement and limits: The Board maintains and approves risk appetite statements and limits that inform decision making, reflect company’s business model and are compatible with Group-wide risk limits with materiality taken in consideration.
- Risk Management Cycle: PIA operates an effective risk management cycle to identify measure, evaluate, respond, monitor and report on risks on an on-going basis.
- Policies and Procedures: PIA has up to date written policies and procedures in place which set out the control system, and operating standards required to meet internal, legal and regulatory requirements.
- Skills and resources: PIA has processes in place to ensure that adequate and appropriate skills and resources are identified and deployed in respect of risk management.

B.3.1.1 Three lines of defence model

PIA’s risk governance is based on the principle of the ‘three lines of defence’ model of: managing risk, risk oversight and independent assurance. This model distinguishes between responsibility for taking risk, managing risk and ensuring there is appropriate oversight of risk. This structure aims to ensure that there is an integrated approach to risk management with appropriate segregation of duties, authorisation and avoidance of gaps or overlaps in activities.

The model of the Three Lines of Defence is positioned on the following:

- That primary responsibility for risk identification, assessment/measurement, monitoring and management lies with the business;
- That risk assessment includes categorisation, scoring, and quantification of risks where feasible;

- That identification of controls and cost effective mitigating actions are derived and implemented for each risk;
- That risks across all classes are managed within appetite and risks that are above the risk appetite are reported to and challenged or approved by the Risk Committee and the Board as appropriate;

B.3.1.2 Business operations (1st Line of Defence)

The Company's first line of defence is line management. The Managing Director and the PIA Senior Management Team, together with business line management and employees, are responsible for identifying and managing the risks inherent in PIA's products, activities, processes and systems. This includes responsibility for implementing sufficient and appropriate controls to manage risk across the Company.

The PIA Propositions and Product Oversight Committee; the PIA Technical Committee (PIATC); PIA Investment Management Committee (PIAIMC); the PIA Senior Management Team (PIA SMT) Committee meeting and the PIA/Capita Joint Management Committee (JMC) form part of the first line of defence.

PIA line management are in charge of internal control policies, standards, procedures, governance and operating limits that manage core processes and risks across the business.

Management information and formal reporting lines are used to enforce, monitor and review the effectiveness of controls throughout the Company. Areas of deficiency and improvement will be identified on an on-going basis to redesign the control activities, making them more effective and efficient in mitigating against identified risks.

Risk assessments and control assessments, including the Annual Statement of Compliance (systems and controls assertion) is performed by the business. The risk assessment and systems and controls review evaluates current risks and existing controls and determines whether additional controls are required. Risk and control assessments are also undertaken where there is a significant change to the risk profile of the business.

Risk-taking and management (applies to all aspects of the business):

- Takes and manages risk exposures on a day-to-day basis;
- Manages risk in accordance with the risk appetite set by the Board;
- Identifies and reports the risks being generated, and those that are emerging;
- Manages the business in accordance with the Group Governance Manual, the UK & PIA policies and control framework and risk parameters, limits and approval set by the Board.

B.3.1.3 Risk and compliance function (2nd Line of Defence)

The Company's second line of defence comprises the Chief Risk Officer and the Risk Management Function which includes the Compliance Function, and the PIA Risk Committee. The second line of defence has oversight over all the activities of the business, support and control units, including outsourced activities.

The Risk Function, which is under the direct responsibility of the Chief Risk Officer, is charged with oversight, review and supervision of the identification, measurement, management, reporting and monitoring of risk to which PIA is exposed, including ensuring appropriate risk management

processes exist to ensure that all key risks are identified, assessed and appropriately managed by the PIA SMT.

Both the Risk Management and Compliance Functions are established at senior management level, have adequate authority and responsibility to fulfil their functions, have a direct reporting line to the Risk Committee and are independent of the first line business. The PIA Risk Committee approves and monitors the annual risk management plan and the annual compliance plan, as undertaken by the Risk Management and Compliance Functions respectively.

Risk Control and oversight:

- The PIA Risk Management Function assists the Board to formulate and then implement the risk appetite statement, risk framework, risk management plans, risk policies, risk reporting and risk identification processes.
- The Risk Function reviews and assesses the risk-taking activities of the first line of defence, where appropriate.
- The PIA Risk Management Function and the PIA Compliance Function both conduct risk and compliance assurance reviews in accordance with the approved Risk Function and the Compliance Function plans for the business. These assurance plans are considered on an annual basis by the PIA Risk Committee and the PIA Audit Committee, as relevant, with updates provided on progress throughout the year.

The new committees set up - PIA Outsourcing Oversight Committee (PIA OOG); Poland Branch Oversight Committee (BPOC) and UK Branch Oversight Committee (UBOC) - will also form part of the second line of defence.

B.3.1.4 Internal audit arrangements (3rd Line of Defence)

The Company's third line of defence is Internal Audit, as provided by Prudential Group-wide Internal Audit, for independent internal audit assurance on the overall system of risk and governance control. The third line of defence provides independent assurance to the Audit Committee and the Board. The third line of defence reviews the effectiveness of the first and second lines of defence and makes recommendations for improvement.

Group-wide Internal Audit, through the annual internal audit plan and audit work, provides independent assurance on the design, effectiveness and implementation of internal controls, including the activities of the Risk Management and Compliance functions.

The annual internal audit plan is approved and monitored by PIA's Audit Committee. Group-wide Internal Audit reports are presented on a quarterly basis to PIA's Audit Committee.

B.3.2 Risk policies & standards

Risk policies set out the principles by which we conduct our business in the area covered by the policy, usually by the setting of specific requirements. Policy requirements are typically brief and principles based and seek to address fundamental concepts rather than operational procedures. This allows business users to determine how best to comply with requirements based on their expertise.

There are core risk policies for each of the key risk categories, with supporting policies to help define the internal control framework.

PIA adopts and complies with the Group-wide Operating Standards which provide supporting detail to the higher level risk policies and provide more detail on minimum standards for certain key practices and procedures. In many cases they define the minimum requirements for compliance with Solvency II regulations which in some areas are highly prescriptive.

In addition to the normal management information produced and reviewed by line management and the functional business areas, monitoring of PIA's risk position against risk appetite is performed by the Risk Function, with reporting to the Risk Committee quarterly. This monitoring is based on relevant management and risk information provided by the business functional areas; Capita; M&G Prudential /Group; and also sourced independently by the Risk Function as required. In addition to Risk Function monitoring of PIA's risk appetite, the members of the PIA SMT have functional area responsibility for monitoring relevant risks against the stated risk appetite for their functional areas.

B.3.2.1 Risk appetite and limits

PIA sets its risk appetite in order to assist the business in implementing the strategy and achieving business plan objectives, whilst operating within the realms of the tolerances and limits defined by Board and the risk strategy. Risk Appetite is the amount and type of risk an organisation is willing to accept in pursuit of its business objectives. The high level components of the risk appetite statement for PIA are indicated below.

Category	Risk appetite
Solvency Levels	To hold a capital buffer sufficient to ensure that PIA's capital position is resilient to the most onerous stresses that are relevant to the business (after allowance for management action).
Capital and earnings management	Target returns on capital in line with pricing frameworks. Volatility of earnings is consistent with the expectations of the shareholder and in accordance with the annual PIA business plan.
Liquidity	PIA generates sufficient cash flows to meet financial obligations (outgoing cashflows) including policyholder liabilities as they fall due, in both a business as usual and appropriate agreed stressed scenarios.
Market Risk	PIA has appetite where it is value creating and within its target capital and solvency position; where it arises from profit-generating insurance activities to the extent that it remains part of a balanced portfolio of sources of income for shareholders; and is compatible with a robust solvency position.

Insurance Risk	<p>PIA has appetite, within defined limits, where it is deemed more value creating than transferring the risk and within its target capital and solvency position and only where a prudent basis is used for setting pricing and reserving, and when strong controls covering policyholder servicing, claims management, experience monitoring, stress testing and validation of assumptions are in place.</p> <ul style="list-style-type: none"> • Persistency/lapse • Expense • Mortality & morbidity • Longevity • Catastrophe
Operational Risk	<p>PIA has no appetite for material losses (direct or indirect) suffered as a result of failing to develop, implement and monitor appropriate controls to manage operational risks. PIA does not actively seek to take operational risk to generate returns. Instead, it accepts a level of risk that means the controls in place should prevent material losses, but should also not excessively restrict business activities.</p>
Conduct Risk	<p>The Risks that arise from the approach taken to our relationship with customers. PIA has no appetite for unfair customer outcomes arising from systemic failures in its culture or any element of the customer lifecycle.</p>

B.3.2.2 Risk Culture

The “risk culture” is reflected in the values and behaviours the Company displays when managing risk.

A responsible risk culture is promoted in three main ways:

- by the leadership and behaviours demonstrated by management;
- by building skills and capabilities to support risk management; and
- by including risk management in the performance evaluation of individual.

B.3.3 Risk management processes

B.3.3.1 Risk identification

The Prudential Risk Identification Group-wide Operating Standard outlines the requirements for the Prudential Group-wide Risk Identification Framework, the purpose of which is to identify and maintain an up-to-date record of all risks, both emerged and emerging.

PIA operate a risk management cycle which involves a process for evaluating risks (assessing), responding to risks (managing) and monitoring the impact of risks through reporting. The risk identification exercise is performed as an annual review; however, as business initiatives or actions can occur over the year, it is continuously reviewed.

The three key steps to identifying risks are:

- a top-down risk review;
- a bottom-up risk process;

- identify any emerging risks to the business;

These risks are assessed over the short to medium-term horizon consistent with the own risk and solvency assessment processes.

Each of these is designed to identify and assess risk from a different perspective to form an overall understanding of the business' risk profile and its evolution.

B.3.3.2 Risk control & mitigation

Risk control is the process of selecting and implementing measures to modify the residual risk once evaluated. These include improving or adding to the internal controls in place, transferring the risk through risk transfer activities (e.g. reinsurance), avoiding risks which contravene company policy or the risk strategy (e.g. political risk), and accepting risks where the cost to control exceeds the potential impact of the risk.

B.3.4 Risk monitoring

B.3.4.1 Own risk and solvency assessment

The Own Risk and Solvency Assessment (ORSA) is a continuous process. An ORSA report is produced annually. It pulls together the analysis performed by a number of risk and capital management processes, and provides quantitative and qualitative assessments of PIA's risk profile, risk management and solvency needs on a forward-looking basis. The scope of the Own Risk and Solvency Assessment Report covers the full known risk universe of PIA including both modelled and non-modelled risks. The ORSA annual report documents information on the key risks for PIA, stress & scenario test results as well as the current strategy. The ORSA looks out over a 3-5 year period to examine the business horizons and requirements for capital in the future.

The PIA ORSA policy & annual report are produced by the PIA CRO with input from the Actuarial Function. The PIA Board took on an integral part of the ORSA preparation and ultimately approved the final ORSA.

B.4 Internal control system

PIA, as part of the Prudential Group, adheres to policies approved at a Group level and to the six principles of internal control as detailed below:

- Management Delegated Authority: PIA is managed in accordance with the authority delegated by the Prudential Plc Board. However, as an Irish domiciled insurance company all decisions are made in Ireland by the Board and the PIA SMT as appropriate.
- Lines of responsibility: Each Business Unit has clearly defined lines of responsibility and delegated authority.
- Appropriate recording: Transactions are appropriately recorded to permit the preparation of reliable financial statements.
- Financial reporting control procedures and systems: The internal control system includes control procedures and systems which are regularly reviewed.
- Financial crime (fraud and money laundering): Financial crime is prevented or detected.
- Risk Management: The risks to which the group is exposed are identified.

PIA is required to attest to the application of the policies that collectively represent the Group.

B.4.1 Compliance function

The purpose of the Compliance function, which is part of the “second line of defence”, is to promote and monitor the integrity and reputation of PIA by advising on and complying with applicable laws, regulations and administrative provisions, particularly, in respect of the Solvency II directive, industry and professional standards and internal PIA policies, codes and rules including relevant Group policies.

The Compliance Function acts as an adviser in compliance matters within PIA and identifies and evaluates the compliance risks associated with PIA’s current and proposed future business activities, including new products and new business relationships. In doing so, the Compliance function assists the business in making decisions based on full understanding of the risks.

The Compliance Function is the dedicated point of contact for all regulatory interactions. It liaises with relevant external bodies and regulators on compliance matters and exercises any specific legal responsibilities such as reporting suspicious transactions related to money laundering. It supports and advises the business on regulatory matters and the potential impact of regulatory changes and the setting of and advising on compliance standards. Annual monitoring is carried out to assess compliance with legislation and regulation. The Compliance function is also responsible for compiling, implementing and reviewing relevant policies/procedures and training.

The Compliance Function is under the responsibility of the Head of Compliance (HOC) who reports directly to the Chief Risk Officer. The HOC has a direct reporting line into the Risk Committee and advises them (in addition to the PIA SMT), on relevant laws, rules, regulations etc. that PIA is required to meet and the management of regulatory compliance risk. The Compliance function is authorised by the Board to review all areas of PIA as necessary and to have full and unrestricted access to activities, documentation, employees and assets to assist in their work as well as the authority to investigate potential compliance breaches. The Risk Committee approves and monitors the annual compliance plan on a quarterly basis. The Compliance function ensures that the PIA internal control system remains effective by ensuring compliance with the Group Governance Manual annually, which is then reported to the Risk Committee/Board by the CRO. Annually, the Compliance function reports to the Board in respect of compliance with the CBI Corporate Governance Requirements.

The Compliance Function also performs some first line of defence duties; for example, carrying out enhanced customer due diligence in respect of high risk cases.

The Compliance Function manages the Compliance Policy which embodies the Prudential Group Compliance Policy and applies to all business conducted by PIA. The requirements contained in this Policy are mandatory.

The purpose of the Compliance Policy is to:

- Set out the main Irish regulatory obligations to which PIA and staff members are subject;
- Describe the high level controls and responsibilities within PIA;
- Set out the relevant compliance policies and procedures adopted in PIA;
- Provide guidance to PIA staff in the application of policies and procedures to the business conducted;
- Highlight relevant group policies which PIA as a part of Prudential Group is obliged to comply with.

The Compliance Policy also contains the Conflicts of Interest policy which outlines how actual, potential or perceived conflicts of interest are identified and managed by the Compliance function.

PIA's reputation for being a professional, honest and fair dealing organisation that conducts its business with integrity and honesty is very important to us. The Compliance function educates staff around their responsibilities to avoid potential conflicts of interest that could influence their judgment and potentially damage PIA's reputation and the trust people have in it.

The Compliance function acts fairly and independently of the other functions in the discharge of its responsibilities.

B.5 Internal audit function

How the undertaking's internal audit function is implemented:

- As a subsidiary of The Prudential Assurance Company Ltd ("PAC") PIA source its internal audit function through the M&G Prudential Business Unit.
- Any audit work in respect of the PIA Business is reported through the PIA Audit Committee ("PIAAC").
- The work of Group-wide Internal Audit ("GwIA") is part of the overall Internal Control Framework of the Prudential Group in that it operates as a 'third-line of defence' in providing independent and objective internal control assurance.
- GwIA's primary objective is to assist the PIA SMT and Board Audit and Risk Committees in protecting the assets, reputation and sustainability of the organisation through the assessment and reporting of the overall effectiveness of risk management, control and governance processes; and by appropriately challenging PIA SMT to improve the effectiveness of those processes.
- The Head of Audit (PCF13, pending CBI approval) for PIA reports to the Director of Group-wide Internal Audit for Prudential Plc, with an administrative reporting line to the PIA CEO for PIA related matters, and has direct access to the Chair of the PIA Audit Committee, as required. The GwIA function also has a Quality Assurance Director, whose primary role is to monitor and evaluate adherence to industry practice guidelines and GwIA's own standards and methodology. Internal audit resources, plans, budgets and its work for PIA are overseen by the PIA Audit Committee.
- GwIA activity is not restricted in scope in any way and is empowered by the Audit Committee to audit all parts of PIA and has full access to any of the organisation's records, physical properties and personnel. All employees are requested to assist GwIA in fulfilling its roles and responsibilities.
- The Head of Audit submits half-yearly audit plans to the PIAAC for review and approval; this forms part of the GwIA M&G Prudential audit plan which is approved by the PAC Board Audit Committee ("BAC"). The audit plan is also agreed with the Group Audit Committee. The GwIA audit plan is based on prioritisation of the identified 'audit universe' using an 'audit needs' risk-based methodology, incorporating input from Group and Business Unit stakeholders and is subject to ongoing review.
- GwIA adheres to the Institute of Internal Auditors ("IIA") requirements as set out in the IIA's 'Code of Ethics' and 'International Standards for the Professional Practice of Internal Auditing', and the Chartered Institute of Internal Auditor's ("CIIA") revised guidance, 'Effective Internal Audit in the Financial Services Sector' (CIIA Code).
- GwIA adheres to the requirements for internal audit functions set out in the Solvency II Directive 2009/138/EC (Level 1 text) Article 47 and Delegated Regulation (EU) 2015/35 (Level 2 text) Article 271.

How the undertaking's internal audit function maintains its independence and objectivity from the activities it reviews

By way of the structures explained above, GwIA maintains its independence and objectivity in the discharge of its responsibilities and has appropriate reporting lines in place to support this goal.

- The Head of Audit for PIA has no reporting lines to PIA Management and has direct access to the Chair of the PIAAC.
- The Head of Audit for PIA reports all audit related matters to the PIAAC and communicates directly with the PIAAC through attendance at its meetings.
- The Head of Audit for PIA, in consultation with the PIA Managing Director, is empowered to attend and observe all or part of the PIA board meetings and any other key management decision making committees and activities as appropriate.
- In accordance with the GwIA Charter, Prudential UK has an internal audit team, led by the Prudential UK Audit Director who reports to the GwIA Director as functional head, with direct access to the Chair of the BAC. The Prudential UK Audit Director is currently performing the PIA Head of Audit role, supported by the broader team resources, and will consider the independence, objectivity and tenure of the Head of Audit for PIA when performing their appraisal.
- The function also has an autonomous Quality Assurance Director, whose primary role is to monitor and evaluate adherence to industry practice guidelines and GwIA's own standards and methodology.
- The assessment of the adequacy and effectiveness of the Risk Management, Compliance and Finance functions is within the scope of GwIA and as such GwIA is independent of these functions and is neither responsible for, nor part of, them.
- GwIA staff are expected to exhibit the highest level of professional objectivity in carrying out their duties; must make a balanced assessment of all relevant circumstances; remain impartial; and seek to avoid any professional or personal conflict of interest.
- GwIA has a Conflicts of Interest Policy. Potential conflicts are recorded and monitored by the GwIA Quality Assurance Director, including a quarterly review of reported conflicts to assess appropriate management oversight. Where deemed necessary, the Quality Assurance team will review audits where a potential conflict has been identified to ensure conformance with GwIA policy.

B.6 Actuarial function

Within PIA, the Actuarial Function is defined as the Head of Actuarial Function (HoAF) and individuals within the actuarial team who are responsible for carrying out the tasks of the Actuarial Function. The role of the HoAF is a CBI PCF role and has responsibility for all of the activities of the Actuarial Function.

The need for, and the scope of, the Actuarial Function is defined in Article 48 of the Solvency II Directive. This sets out the tasks for which the Actuarial Function is responsible. The responsibilities of the HoAF and the Actuarial Function, include, but are not limited to, the following key activities:

Valuation of Technical Provisions

The Actuarial Function proposes the valuation methodology and assumptions and calculates the technical provisions. The HoAF reviews the valuation methodology and assumptions, the models and data used in the calculation of the technical provisions and the technical provisions and

advises the PIA Board accordingly. The reports to the Board constitute component reports of the overall Actuarial Function Report.

Underwriting policy

The HoAF reviews and advises on all aspects of the underwriting policy on an ongoing basis. In addition, she carries out an annual review of specific aspects of the policy. The HoAF provides an annual report to the Board expressing an opinion on the underwriting policy, identifying any deficiencies and providing recommendations. This constitutes a component report of the overall Actuarial Function Report.

Reinsurance arrangements

The HoAF reviews and advises on all aspects of the reinsurance arrangements on an ongoing basis. In addition, she carries out an annual review of specific aspects of the reinsurance policy. The HoAF provides an annual report to the Board expressing an opinion on the adequacy of the reinsurance arrangements, identifying any deficiencies and providing recommendations. This constitutes a component report of the overall Actuarial Function Report.

Capital requirements

The Actuarial Function proposes the valuation methodology and assumptions, and calculates the SCR. The HoAF reviews the valuation methodology and assumptions and the SCR and advises the Board accordingly. The HoAF works closely with the CRO and the Board to agree the ORSA scenarios and produce the projections and associated commentary for the ORSA.

Actuarial Function Report

The Actuarial Function provides a written report at least annually to the Board to document the tasks that have been undertaken by the Actuarial Function and their results, to identify any deficiencies and provide recommendations as to how such deficiencies should be remedied. This report summarises the tasks described above and highlights the key areas of focus following the Actuarial Function's activities each year.

B.7 Outsourcing

PIA has three material outsourcing arrangements in place, one with Capita Life and Pensions Services, Ireland (CLPSI) and the other two with Prudential Distribution Limited (PDL) & Prudential Portfolio Management Group Ltd (PPMG).

B.7.1 Outsourcing policy

PIA proactively engages, assesses and manages all outsourcing and third party contractual relationships and ensures that they comply with all regulatory requirements. M&G Prudential, and thus PIA, requires the same standard of systems and controls to be operated within outsourced or third party operations as would be required within internal operations.

It is the policy of PIA to comply with the following obligations in respect of outsourcing and supply arrangement:

- An appropriate selection and due diligence process is in place.
- An appropriate contract is in place that contains adequate commercial protection, protects the Prudential brand and provides termination and exit provisions as required.
- All applicable regulatory requirements are met.
- The relevant approvals procedure is adhered to.
- The Group Code of Business Conduct is adhered to.

- Outsourcing and third party supply arrangements are defined as either critical or non-critical in accordance with the principles defined in the relevant Prudential Group policy.

When considering a material / critical outsourcing proposition PIA must:

- Prepare a business case for doing so, highlighting the advantages and disadvantages, including a cost-benefit analysis and summarising the evaluation process to be followed;
- Identify one or more alternative providers of service, to ensure that a contingency arrangement can be put in place;
- Retain, through suitably competent personnel with relevant operational expertise, a sufficient oversight capability to manage the relationship with the service provider.

Where any material business activity or function is being considered for outsourcing it is essential to ensure that the relevant regulators can be informed at the appropriate time.

An operational risk assessment must be carried out that identifies the element of the business process being outsourced and rigorously identifies the threats or risks involved.

The business or support unit engaging in an outsourcing arrangement should have a clearly defined contingency plan to enable it to exit from an outsourcing arrangement in a timely and orderly fashion.

The third party supply policy covers PIA's responsibilities to manage and monitor the outsourcer. This includes the designation of an appropriate individual who is responsible for the day to day management of the outsourced arrangements.

PIA adopts an appropriate system of governance, tailored to the scale and complexity of the outsource company. This includes ensuring clear allocation of roles and responsibilities for outsourcing and third party supply contracts across the three lines of defence.

For all critical outsourcing and third party supply arrangements, PIA will:

- Ensure appropriate committees, have responsibility for the oversight of critical outsourcing and third party supply arrangements.
- Ensure that critical outsourcing and third party supply arrangements are approved by those with appropriate authority, and in line with the Group Approval Limits.

PIA is required to notify the Central Bank of Ireland, in writing, of its critical function outsourcing arrangements, as soon as is practicably possible and of any significant change to the outsource arrangement.

B.7.2 Outsourced operations and functions

Material outsourcers engaged and relied upon by PIA as at 31/12/2018:

Outsourcer	Critical / Important Function	Jurisdiction of Supplier
CLPSI	Outsourced administration - customer servicing, policy administration, new business processing, claims activity and related IT support services.	Ireland and UK
Prudential Distribution Limited	Sales and marketing services; Risk; Audit; Infrastructure services and associated security/operational monitoring services.	UK
Prudential Portfolio Management Group Ltd	Portfolio management services - investment and trade execution under mandate.	UK

B.8 Any other information

The management framework and internal control system are critical components of the ORSA, and it is important that the system is working effectively to allow the Company to identify, understand and manage risks which could impact the capital and liquidity position.

An annual review of the effectiveness is carried out and presented to the Risk Committee. As a result of this review we can confirm that the PIA Governance System is in place to ensure:

- that the governance structures are appropriate to the scale and nature of the Company's business;
- that all policies and procedures are in place and adequately documented;
- that the appropriate segregation of duties and responsibilities are clearly defined;
- that there is an effective operation of the Prudential Group's system of internal controls;
- that reporting and disclosure requirements to satisfy regulatory and corporate governance requirements are in place;

The overall system of governance is an adequate structure to support the Company's business and is appropriately reported to the PIA Board.

C. Risk Profile

PIA seeks to generate positive shareholder value through managed acceptance of risk and by taking on selected risks for which it is appropriately compensated, in line with PIA's strategy and agreed business plan, capital and solvency position for the business.

The company's risk appetite is determined by its strategic risk profile, risk appetite statement and quantitative supporting risk metrics (capital requirements, solvency levels, earnings and liquidity objectives).

PIA has limited appetite for unrewarded risks and for risks that are inconsistent with its strategic objectives and business plan. It also seeks to manage and appropriately mitigate, in a cost effective manner, risk exposures for which it may not be directly compensated.

The following section provides an overview of PIA's risk profile along with details of its Solvency Capital Requirement (SCR) by risk category.

Sections C.1 to C.6 give more detailed information on PIA's risk exposures, along with management and mitigation techniques. Section C.7 outlines risk sensitivities, PIA's compliance with the prudent person principle, future management actions and other financial mitigation techniques.

Overview

Prudential Group defines and categorises the key risks to Prudential Group and its subsidiaries (of which PIA is one) in its Risk Management Framework. It also defines risk appetite ranges and limits for each key risk at both the parent and local entity level. PIA then defines risk policies that include risk appetite and limits that are compatible with those set by Prudential Group. These policies also support the control and management of risks at a risk category level (underwriting, market, credit, liquidity, operational, other). The approach to each risk category is discussed in sections C.1 to C.6.

Risk Profile

PIA assesses its risk profile using its Solvency II capital requirement, an approach that is widely used in industry. The Solvency Capital Requirement (SCR) determines the amount of capital needed to withstand a 1-in-200 year risk event over a one year time horizon. The SCR is shown net of risk mitigation actions, for example reinsurance.

PIA's year-end SCR by risk category is shown in the table below for both 2017 and 2018. It was calculated using the company's internal model. This is in line with industry practice where entities have developed an internal model. PIA's material risks are equity, credit, expense and lapse, which is consistent with the fact that PIA's main lines of business are insurance with-profits participation and unit-linked insurance.

Risk Category Undiversified	2018 £m	2017 £m
Market Risk	146	158
Equity	83	96
Property	13	13
Interest Rate	8	11
Credit incl. Counterparty	23	18
Currency	19	20
Underwriting Risk	201	191
Expense	64	62
Lapse (all)	125	115
Mortality & Morbidity	12	14
Operational Risk	29	22
Loss absorbing capacity of deferred tax	-18	-18
Interaction Effects	-36	-35
Sum of SCR by Risk	322	318
Diversification	-185	-188
SCR (diversified across all risks)	137	130

Each line reflects the capital required for each risk when quantified in isolation. If all of these risk events happened simultaneously, the impact would be different. This is reflected in the line item “Other Adjustments”, and is also referred to as “Interaction effects”. As these events result in the loss of value (future profits) to the company, there is a reduction in the associated deferred tax liability. The item “Loss absorbing capacity of deferred tax” reflects the extent of this for PIA. The total of these items is reflected in the row “Sum of SCR by Risk”.

The row “SCR (Diversified across all Risks)” reflects a 1-in-200 year event for the Company. The item “Diversification” reflects the extent to which this is less than the sum of SCR by Risk.

PIA is exposed to other material risks that are not covered as part of its internal capital model. These risks include those associated with liquidity, the business environment, the conduct of business, being part of a larger Group and the strategy that the company is pursuing, and are covered in section C.6.

C.1 Underwriting Risk

C.1.1 Context

PIA defines Insurance risk as: “the risk of loss to PIA, or of adverse change in the value of insurance liabilities, resulting from changes in the level, trend, or volatility of a number of insurance risk drivers. These include adverse mortality, morbidity, persistency and expense experience.”

Lapse risk is the risk that actual lapse rates differ from their expected level allowed for in calculating the best estimate liabilities. This risk may result in a cost for the company, for example, a reduction in fund charges arising from the business.

Expense risk is one of PIA's significant risks and arises when actual expenses differ to the assumed level of the expenses and investment management fees. As PIA sells mostly unit-linked products, one of its key challenges is to ensure that the cost of administering the business does not increase to such an extent that it affects the profitability and solvency of the company. Expense risk also covers the risk of inflation in expenses.

The other underwriting risks faced by PIA are mortality and morbidity. PIA does not have a large exposure to these risks due to the nature of the products it sells and the use of reinsurance.

C.1.2 Risk strategy and objectives

PIA has appetite for underwriting risks in areas where it is value-adding to do so. The strategy is to selectively take risks through the writing of life insurance products. Risks are only accepted where they are within the company's target capital and solvency positions and risk appetite framework. PIA will only retain those underwriting risks where the value added to the company is expected to be larger as a result of retaining the risks rather than transferring them.

PIA accepts the lapse risk it is exposed to. To help mitigate this risk, strong controls related to policyholder servicing, experience and behaviour monitoring need to be in place. PIA also needs to monitor the risk exposure and to conduct stress testing and validation of assumptions.

PIA accepts expense risk as it is an unavoidable risk associated with running its business. The expense strategy is to manage expenses carefully while ensuring that the company has sufficient resources to run its business and achieve its business objectives.

PIA accepts morbidity and mortality risks with strong controls in place to cover claims management, experience monitoring, stress testing, and validation of assumptions.

C.1.3 Risk management

PIA measures and assesses its exposure to underwriting risks using metrics which were agreed by the Board and which are compatible with the risk appetite. The company considers various items to determine its insurance risk mitigation and management strategy; these include correlation with other risks, cost effectiveness, credit standing of relevant counterparties (if applicable).

PIA sets assumptions for underwriting risk based on its own experience and its understanding of each risk. The company performs experience studies, where actual experience is analysed and compared with expected experience, on an annual basis on its most important risks. Appropriate actions are taken in the event of deviations in experience from pricing or reserving assumptions.

Reinsurance is used to manage insurance risks when it is desirable or cost effective to reduce exposure to a particular risk. PIA has a reinsurance limit framework to limit the exposure to a single external reinsurer.

C.1.3.1 Lapse risk

PIA monitors lapse experience on an ongoing basis and, when necessary, makes changes to product design and/or undertakes policy retention initiatives. Lapse experience studies are conducted annually and are split by homogeneous risk groups.

C.1.3.2 Expense risk

PIA monitors its expenses on an ongoing basis and sets its assumptions based on historical and projected future expenses. Management takes appropriate actions when expenses are higher than

expected. These include new business initiatives, new product launches and strategies to reduce or spread costs.

PIA also monitors its expense inflation risk and its policy count. Expense inflation is set relative to expected Eurozone inflation.

Additionally, as part of its business planning (which includes the Own Risk & Solvency Assessment), it stress tests items such as the expected level of expenses to ensure that it has sufficient capital to meet its cost, even under stressed scenarios.

C.2 Market risk

C.2.1 Context

Market risk is defined as the risk of adverse changes in PIA's financial position resulting from changes in the market value of policyholder and shareholder assets. Market risk drivers include equity, property interest rates and currency.

Due to the nature of PIA's business it is exposed to market risk through two sources:

- i. Indirect exposure through fees earned: The management fees earned by PIA depend on the value of policyholder assets under management. Therefore for PIA's unit-linked and with-profits funds (as a fund link), there is a risk that adverse movements in the value of assets in which policyholders are invested results in a reduction in the level of management fees earned by PIA.
- ii. Direct exposure through shareholder's investments: PIA faces the risk of adverse movements in the value of the assets in which PIA's shareholder funds are invested. These funds, which are used to meet capital requirements and provide the company with working capital, are invested in accordance with the Investment Policy.

The key market risk faced by PIA is equity risk, which relates to adverse movements in the management fees earned on its business, as outlined in point (i) above.

PIA also identifies market risk as the risk that policyholder assets are invested in a manner that is contrary to the reasonable expectations of policyholders given the stated fund objectives. For the purpose of this report, this is deemed an operational risk and is described in further detail in section C.5.1.5.

C.2.2 Risk strategy and objectives

PIA's appetite for market risk (including equity, interest, currency and property) is to retain market risk only to the extent that it arises from profit-generating insurance activities; remains part of a balanced portfolio of sources of income for shareholders; and that it is compatible with a robust solvency position.

C.2.3 Risk management

PIA accepts the risk of reduced management fee income on policyholder assets as a result of adverse movements in policyholder funds under management, which is exposure (i) outlined in section C.2.1. PIA's view is that it is more value-creating to retain this risk than to hedge it.

For market risk associated with shareholder funds, item (ii) in section C.2.1, PIA does not intend to take any undue risk in the investment of its shareholder assets. Shareholder assets will be held in short dated cash, near cash instruments or government bonds. Where a manager is appointed to run any cash portfolios, the Investment Management Committee (IMC) will ensure there is a clear mandate for the handling of such monies, which ensures that cash is placed with good quality counterparties, and that there is a suitable spread of such counterparties. The IMC will investigate any deviations from the approved mandate.

C.3 Credit risk

C.3.1 Context

PIA defines credit risk as the risk of loss or adverse change in the financial situation of the insurer resulting from fluctuations in the credit standing of securities issuers, counterparties and any debtors. This risk category includes counterparty default risk, downgrade risk, spread widening or other changes to the portfolio such as changes in the rating or in market risk concentrations that could have a financial impact to which PIA is exposed.

Credit risk in PIA is split into two categories:

- **Corporate credit risk** – The risk of adverse deviations in the market value of risky assets (such as corporate bonds), as a result of default; downgrade and/or spread widening.
- **Counterparty risk** – The risk of loss arising from any other credit exposure such as reinsurance contracts, derivative transactions and cash management.

Credit Counterparty risk before mitigation is a high risk for PIA due to the importance placed on access to the PAC With Profits funds. PIA may allow for mitigation actions, and accordingly the net impact is considered less material. The risk of financial loss in the case of the failure of counterparty is any party which holds PIA assets on PIA's behalf (e.g. reinsurer, bank, debtors etc.)

PIA has an indirect exposure to credit risk in that for example changes in credit spreads on fixed interest assets will adversely impact asset values and values of future cashflows and thus impact on the value of future fee earned.

C.3.2 Risk strategy and objectives

PIA's appetite for credit risk (including credit counterparty, credit concentration and sovereign credit risk) is to retain credit risk only to the extent that it remains part of a balanced portfolio of sources of income and that it is compatible with a robust solvency position. The company has defined limits for reinsurance, shareholder funds investment, policyholder fund investment and lending to companies that are part of the Prudential group-wide Large Risk Approvals Process ("LRAP"). These limits are defined by Prudential Group and are adopted and monitored by PIA.

C.3.3 Risk management

Credit risk is managed by applying exposure limits to counterparties on both policyholder and shareholder funds. The LRAP specifies exposure limits to corporate and sovereign debt issuers and counterparty exposures to banks, reinsurers and for derivatives. The LRAP applies to both shareholder and policyholder exposures and it controls exposures to credit risk by the application of portfolio minimum credit quality and asset concentration limits. There are no limits for internal group counterparties but there are for external ones.

The Global Counterparty Limits Framework ("GCLF") controls the Group's exposures to the most significant counterparties and applies to asset classes such as cash, secured lending, derivatives and reinsurance. The group-wide aggregate limits apply to counterparties from the shareholder funds only, policyholder funds are not included.

Within PIA, management information on credit risk exposures is reported to the PIA Risk Committee.

The sections below outline specific management and mitigation techniques used by PIA on the key areas of credit risk it is currently exposed to.

C.3.3.1 Investment credit risk

PIA employs different risk management techniques for investment of shareholder funds and policyholder funds where PIA manages the assets directly.

Credit risk on shareholder funds arises from bank failure or government insolvency and/or default. It is managed through appropriate diversification and monitoring of credit rating updates and other market information. Investments are made according to the PIA Investment Policy, which is set in line with the risk appetite set out for credit risk exposure and is reviewed annually. Deposits are placed in various banks with higher proportions permitted in higher rated banks. PIA monitors its relevant exposures and their ratings on an ongoing basis, and produces reports outlining changes required if necessary.

PIA has limited appetite for credit risk for direct management of policyholder assets in the offerings of PIA deposit funds. PIA monitors credit risk exposure on these funds, for example ratings of bank counterparties and their financial conditions, and also produces quarterly reports on the exposures.

C.3.3.2 Counterparty risk

PIA purchases reinsurance from internal and external insurers. The company sets minimum approved credit ratings for reinsurers from whom it can purchase reinsurance; these ratings are assessed when reinsurance contracts are signed or renewed and are monitored on an ongoing basis. The company also sets maximum counterparty exposure to any third party external reinsurer it is involved with.

PIA monitors and reports on its relevant exposures and their ratings on a monthly basis. If a reinsurer's rating falls below the approved credit rating limit, a report is prepared for the PIA Propositions & Product Oversight Committee and the Risk Committee. This report will outline the reason behind the fall, the steps to manage any required change in the strategic role of the reinsurer and the credit rating outlook. The senior management team and Risk Committee will then decide on a course of action (if required).

C.4 Liquidity risk

C.4.1 Context

Liquidity risk is defined as the risk of PIA being unable to generate sufficient cash resources to meet financial obligations as they fall due in business as usual and stress scenarios.

PIA currently classifies liquidity risk in three categories, namely:

- **Tactical liquidity** – Risk of having negative cumulative cash flows over a short-term horizon. This includes intra-day liquidity shortfalls in business as usual situations;
- **Structural liquidity** – Risk of having a liquidity shortfall due to a mismatch between assets and liabilities;
- **Contingency liquidity** – Risk that stress scenarios significantly alter the tactical or structural liquidity profile, which could lead to a potential shortfall in cash requirements and associated risks;

PIA carries liquidity risk to the extent that the company needs to match outgoing cash flows with incoming cash flows and/or asset liquidations. Liquidity can be affected by an increase in policyholder lapse/redemption rates which may be combined with a reduction in new business and/or asset stresses.

PIA's liquidity risk is considered to be relatively low because of the nature of the operating model.

C.4.2 Risk strategy and objectives

PIA has very limited appetite for liquidity cash flow mismatch risk and no appetite for a breach in the liquidity coverage ratio. The Company seeks to ensure clients' claims and other liabilities can be covered at all times.

When formulating its liquidity risk strategy, PIA also considers the following items:

- Scope of business activities;
- intra-group arrangements;
- correlation between liquidity risk and other risk classes;
- financial management and control procedures between liquidity and cash flows;
- monitoring of liquidity risk (using Key Risk Indicators (KRIs) and Key Control Indicators (KCIIs));

PIA's approach to managing liquidity risk is outlined in its Liquidity Risk Management Policy, a document reviewed annually by the Risk Committee and the Board.

C.4.3 Risk management

Liquidity risk is monitored and managed by PIA Finance; the PIA Chief Finance Officer (CFO) is the owner of the Liquidity Risk Management Policy. PIA manages its liquidity risk in a comprehensive way by identifying, assessing, measuring, monitoring and managing this risk in accordance with the liquidity risk appetite.

PIA manages its liquidity risk by having cash flow management procedures in place to ensure the company always maintains an appropriate margin of liquid assets in consideration of its ongoing and planned cash requirements. Liquidity risk is managed on both a short and long-term basis. Liquidity risk appetite is defined using the Liquidity Coverage Ratio (LCR), which is used to monitor the amount of liquidity risk PIA wishes to be exposed to under stressed conditions.

Liquidity risk is managed slightly differently between PIA's two material lines of business, with-profits funds and unit-linked funds. The approach adopted for each line of business is detailed in the sections below. In 2018, as was the case in 2017, liquidity sources remained sufficient to meet financial obligations as they fell due, both under the base and stressed scenarios.

C.4.3.1 With-profits funds

Liquidity risk for with-profits funds is the risk that policies surrender and claims cannot be paid in a timely manner, consistent with the terms and conditions of such policies which is particularly exacerbated through the guarantees and options offered on such funds. PIA mitigates this risk through the reinsurance contract it has in place with Prudential Assurance Company (PAC) in respect of both the unit-linked and guarantees and options components of its with profits funds. Consequently, PIA's liquidity risk is a function of the delay between the net outgo it pays to the policyholder and the net income it receives from PAC. Liquidity risk for this product is managed in a similar way as unit-linked funds which is outlined in the following section.

C.4.3.2 Unit-linked funds

Liquidity risk for unit-linked funds is seen as the risk that policy surrenders and claims cannot be paid in a timely manner, consistent with the terms and conditions of the policy.

Management of liquidity risk for unit-linked funds is performed by investing in liquid markets for most funds and setting a low materiality limit for which detailed liquidity analysis is not required when deciding investment strategy. This allows PIA to rapidly identify potential investments that could present a liquidity threat. Funds invested in illiquid assets have deferral clauses which include a provision for deferral of six months or longer, which allows the company to gather the appropriate funds when needed and pay its financial obligations.

C.5 Operational risk

C.5.1 Context

Operational risk is defined as the risk of loss or adverse changes in the company's financial situation arising from inadequate/failed internal processes, personnel, systems or external events. Operational risk may result in financial losses, unavailability of services, information deficiencies or losses and damage to brand, image and reputation.

PIA is exposed to operational risk through the course of running its business and is dependent on the successful processing of a large number of complex transactions, using various IT applications and platforms across numerous and diverse products. PIA operates under the evolving requirements of different regulatory and legal regimes and uses a significant number of third parties to support its business operations.

Operational risk is unlike other risk types in that it does not offer any potential reward; rather, it is a risk that has to be tolerated for PIA to pursue its strategic objectives. PIA accepts that there are losses arising from errors and ineffective operations across people, processes and systems. PIA actively manages its operational risk exposures in line with its risk appetite policy to ensure the benefits it receives are not disproportionately impacted by operational losses. PIA recognises operational risk as an unavoidable reality of writing business.

PIA considers its key operational risks to be: key person dependencies; legislative, fiscal and regulatory compliance; outsourcing & third party management; transformation risk; and fund investment. These are described in further details in the sub-sections below.

C.5.1.2 Key person risk

PIA is a relatively small company, hence it has key person risk due to the accumulation of knowledge and experience in individuals.

C.5.1.3 Legislation and regulation

A change in legal, regulatory or fiscal requirements may force PIA to withdraw from a particular market or may adversely affect sales volumes or persistency. This may result in a negative impact on profits, reputation and brand, and may affect both existing business and new business plans.

C.5.1.4 Outsourcing & third party management

PIA has an outsourcing arrangement with a third party administrator. The risk is a significant failure of a third-party outsourcing partner impacting critical services. This may result in poor level of service provided to customers, which may impact negatively both the existing and new business.

C.5.1.5 Transformation risk

PIA are implementing a transformation programme which aims to create an efficient, digitally-enabled, customer-centric savings and investments business. Operational risk will potentially increase as a result of these strategic developments.

C.5.1.6 Fund investment

PIA is exposed to the operational risk arising from funds that are not managed in line with their stated fund objective.

C.5.2 Risk strategy and objectives

PIA does not actively seek to take on operational risk to generate returns. However, PIA accepts that operational risk arises as a consequence of its business operations and accepts a level of risk such that controls in place should prevent material losses while not excessively restricting business activity. Thus PIA has no appetite for material losses (direct or indirect) suffered as a result of failing to develop, implement and monitor appropriate controls to manage operational risk.

PIA's approach is outlined in its Operational Risk Management Policy, a document reviewed annually by the Risk Committee and the Board.

Operational risk related to fund managers and investment of assets is dealt with in the Investment Policy, which is reviewed on an annual basis by the Investment Management Committee.

C.5.3 Risk management

As a key element of PIA's overall risk and governance system, PIA performs risk identification, assessment, monitoring and reporting to ensure that the overall management of operational risk is within appetite and is consistent with PIA's strategic objectives. Its approach includes a Risk and Control Assessment (RCA) process which incorporates the use of a risk register, scenario analysis for quantification purposes, key risk indicators and control indicators. With the exception of scenario analysis, this process is performed on a quarterly basis. The approach is designed to capture the operational risks associated with its entire operational activities and internal processes together with the IT systems supporting its activities.

PIA recognises that operational risk is unavoidable when doing business. It continually seeks ways to minimise the exposure to this risk in a cost effective manner. PIA accepts a level of risk such that controls in place should prevent excessive loss whilst not restricting business activity.

The following sections outline PIA's operational risk management and mitigating actions for each of its key operational risks.

C.5.3.1 Key person risk management

PIA has increased its level of documentation and sharing of knowledge between team members. This will help mitigate the severity of key person risk if a crucial team member leaves. PIA also has succession plans in place for key roles.

C.5.3.2 Legislation and regulation management

PIA aims to reduce this risk through:

- Carrying out due diligence prior to market entry;
- Seeking operations in more than one market, which provides diversification benefits;
- Monitoring legislative, regulatory and fiscal rule changes on an ongoing basis;

As part of any product development, PIA seeks legal advice on the change to products and their terms and conditions to ensure that they meet local regulatory requirements.

C.5.3.3 Outsourcing & third party management

PIA has a service level agreement (SLA) in place for any outsourcing arrangement with a third party, which outlines the scope and responsibilities of both parties. To minimise any risk arising from this agreement, PIA continuously monitors third party performance through regular governance meetings across the business areas, regular reporting standards and key performance and risk indicators.

C.5.3.4 Transformation risk management

PIA has developed new processes and made changes to its governance to mitigate operational risk caused by new strategic initiatives.

C.5.3.5 Fund investment

Management and mitigating actions for this risk are outlined in the Investment Policy. The company has different strategies for its with profit and its unit-linked funds.

The company has with profits funds but all the unit-linked elements of these funds, along with all options and guarantees, are reinsured to its parent company. Day-to-day oversight and control of the underlying investment portfolios is therefore undertaken by the parent to ensure they remain “true to type”. The rest of this section therefore relates to the risk management of unit-linked funds. For each unit-linked fund, the Investment Management Committee (IMC) is responsible for ensuring that there is a clear and appropriate stated objective and that this objective has been communicated to policyholders. Fund objectives may be changed but can only be done consistently with both COBS 21¹ and the internal principles and practices of linked fund management. The Investment Management Committee has delegated the maintenance of investment objectives (including fund names and risk grading) to the Risk Rating Committee (RRC).

The IMC reviews the fund mandate to ensure the benchmark, the performance objective and the guidelines are still appropriate and consistent with the objectives of the unit-linked fund. The performance of each fund is also measured against a benchmark on a quarterly basis to ensure returns are in line with expectations and are not unexpectedly high or low. PIA’s approach is very detailed and management actions are clearly outlined in the Investment Policy if a fund’s performance falls outside the expected thresholds.

C.6 Other material risks

PIA faces other risks that are described below. Some of these are included in the Group Risk Framework, but not specifically modelled in the company’s internal capital model.

C.6.1 Business environment risk is the risk that can arise as a result of changing external factors in the business environment in which PIA operates. These are considered under three sub categories: economic, social and technology; market forces; and political, statutory, legal and regulatory. Capital is not specifically held to account for business environment risk although the impacts are considered when modelling forward looking capital requirements for the main risk types. This risk is assessed as part of the operational risk & business planning process.

C.6.2 Conduct risk is the risk that can arise from the approach taken to the customer relationship. It is not a separate category of risk, but a different way of assessing the impact from a customer perspective. It primarily arises on the operational risk categories under the Group Risk Framework. Separate risk appetite statements apply to conduct risk.

C.6.3 Group risk is the risk associated with being part of a group, particularly as a result of contagion. Operational and counterparty default risks arising from group interactions are considered and reflected in the model when they are material. Capital is not held for reputational

¹ <https://fshandbook.info/FS/html/handbook/COBS/21>

damage that can arise from other group activities. Reputational damage is considered as an indirect impact in the operational risk process.

C.6.4 Strategic risk is the risk that can arise as a result of ineffective or inadequate business strategy decisions in relation to competitors, consumers and the market. These risks are inherent in the chosen strategy and the environment in which it operates. It primarily impacts future earning potential and capital is not specifically held for this risk as it is not deemed material. The risks are identified through the business planning process.

C.6.5 Reputation, though hard to quantify, is a key asset. PIA continues to develop, along with the wider Prudential Group, an approach to the management and oversight of reputational risk. Reputational risk is primarily a 'second order' risk, in that it results from another risk occurring, rather than in isolation.

C.6.6 Cyber security

The performance of core activities places reliance on the IT infrastructure that supports day-to-day transaction processing. Our IT environment must also be secure and we must address an increasing cyber risk threat as our digital footprint increases. The risk that our IT infrastructure does not meet these requirements is a key area of focus.

Cyber risk is an area of increased scrutiny for global regulators after a number of recent high profile attacks and data losses. The growing maturity and industrialisation of cyber-criminal capability, together with an increasing level of understanding of complex financial transaction by criminal groups are two reasons why risks to the financial services industry are increasing.

Given this, cyber security is seen as a key risk for the Company. Our current threat assessment is that, while we are not individually viewed as a compelling target for a direct cyber-attack, we are at risk of suffering attacks as a member of the financial services industry, with potentially significant impact on business continuity, our customer relationship and our brand reputation. Protecting our customers remains core to our business.

With the General Data Protection Regulation requirements on data privacy that came into force in May 2018, controls around data confidentiality have become even more critical.

The core objective of Cyber Security is to protect our customers and enable our business to embrace a digital future with confidence by:

- Being a trusted Guardian of our customers' personal information
- Empowering and equipping our people to embed security into everything they do
- Supporting the business ambitions and enhancing the resilience of the business to withstand and recover from security incidents

As M&GPrudential, as a group of companies, forms it has been recognised that work needs to be done to ensure that the above objectives are achieved. This work has been divided into Immediate, Tactical and Strategic activities against the following work streams:

- Security and Governance
- Data Security
- Enterprise Systems Management
- Application Security
- Identity and Access Management
- Security Culture
- Threat Detection and Response

PIA relies on its outsource partner, Capita Life and Pensions Services, Ireland (CLPSI) to provide IT support for its policyholder servicing including cyber controls. Oversight is provided via its IT governance committee & IT audits.

The Board & its sub-committees receive regular updates on cyber risk which includes IT audits and Technology Risk Opinion.

C.7 Other information

C.7.1 Risk sensitivities

PIA's solvency cover ratio is most sensitive to:

- (a) Changes in expense levels (renewal expenses, investment expenses, etc.);
- (b) Changes in the persistency of the business;
- (c) Significant market changes that result in changes in the value of policyholder funds;

Stress testing is performed on an annual basis and is an important tool in managing the business.

C.7.2 Prudent person principle

The 'prudent person principle' describes the approach to investment management and, in particular, emphasises the need for firms to exercise prudence in relation to the acquisition and holding of assets and to ensure that assets are appropriate to the nature and duration of the liability.

The Company's product offering includes internal unit-linked funds and externally managed funds. The Company outsources internal unit-linked investment management to PPMG which is governed by a common Group-wide Governance framework which provides oversight of financing and investment activities across the Group. It is designed to provide general, prudent and principle-based guidance for both shareholder-backed business and policyholder business. The Group Risk Framework covers all aspects of risk management across the Group and includes minimum standards, controls and requirements for risk management across all Business Units. This Framework is supported by further documents including specific policies that cover Credit, Market, Insurance, Liquidity, Operational and Investment Risk. Accompanying these are a number of Group-wide Operating Standards and other documents including the Group Approved Limits that specify limits on individual credit and counterparty exposures, average credit quality and amount of market risk taken across the Group.

The Investment Policy sets out the system for management and oversight of investment performance and investment related risk including externally managed funds. The Company mitigates material risk by matching policyholder liabilities with the relevant assets.

C.7.3 Management Actions and other Financial Mitigation Techniques Included in the SCR

PIA does not assume or model any management actions or other financial mitigation techniques in the SCR.

D. Valuation for Solvency Purposes

D.1 Valuation of assets

D.1.1 Introduction

The 2018 balance sheet under both statutory accounts value (FRS 101) and Solvency II value bases is summarised in the table below:

	Statutory accounts	Presentation differences (note a)	Other (note b)	Solvency II
	£m	£m	£m	£m
Assets				
Deferred acquisition costs	46		(46)	0
Investments-other than participations	120	0.2		120
Assets held for index-linked and unit-linked contracts	1,735		(8)	1,727
Reinsurance recoverable	4,981		100	5,081
Cash and cash equivalents	43			43
Other ⁽¹⁾	10	(0.2)	3	13
Total assets	6,935	-	49	6,984
Liabilities				
Best estimate liability	6,725		(105)	6,620
Risk margin	-		48	48
Other liabilities				
Deferred tax liabilities	-		14	14
Other ⁽²⁾	105		(8)	97
Total liabilities	6,830	-	(51)	6,779
Excess of assets over liabilities	105	-	100	205

¹ Other assets includes Insurance and intermediary receivables, Reinsurance receivables, Receivables (trade, not insurance), Tangible assets and Other assets.

² Other liabilities includes Provisions other than technical provisions, Insurance and intermediaries payable, Reinsurance payables and Payables (trade, not insurance).

Notes:

- (a) Presentation differences represent movements between line items with no overall impact on excess of assets over liabilities. The main item relates to assets held by the unit-linked funds which are presented together in a single line on the statutory accounts balance sheet rather than within each individual asset/liability category.
- (b) Other valuation differences represent the key changes to excess of assets over liabilities between statutory reporting (IFRS) and Solvency II. These are analysed within the reconciliation set out within Section E.1.5.

D.1.2 Valuation of assets**D.1.2.1 Determination of fair value**

Within the Solvency II balance sheet, assets are valued using valuation methods that are consistent with the valuation approach set out in the Solvency II directive. The overall principle when valuing assets and liabilities under Solvency II is to use a fair value, as set out in Article 75 of the Directive. There have been no changes to the recognition and/or valuation basis of assets and other non-insurance liabilities in the Solvency II balance sheet during the year.

When valuing assets and liabilities in accordance with Solvency II, the fair valuation hierarchy set out below is followed, which is broadly consistent with the fair value measurement hierarchy as applied by the Company for statutory reporting (IFRS) purposes:

(a) Quoted market prices in active markets for the same assets or liabilities

As the default valuation method, assets and liabilities are valued using quoted market prices in active markets for the same assets or liabilities, where available.

The investments of the Company which are valued using this method include collective investment undertakings with quoted prices, exchange traded derivatives such as futures and options, and national government bonds unless there is evidence that trading in a given instrument is so infrequent that the market could not possibly be considered active.

(b) Quoted market prices in active markets for similar assets and liabilities with adjustments to reflect differences

A significant proportion of the Company's assets in this category are Collective Investment Schemes where most recent market data is unavailable at the reporting date. These assets, in line with market practice, are generally valued using independent pricing services or third-party broker quotes. These valuations are determined using independent external quotations and are subject to a number of monitoring controls, such as stale price reviews and variance analysis on prices. Pricing services, where available, are used to obtain the third-party broker quotes. Where pricing services providers are used, a single valuation is obtained and applied. When prices are not available from pricing services, quotes are sourced directly from fund managers.

Generally, no adjustment is made to the prices obtained from independent third parties. Adjustment is made in only limited circumstances, where it is determined that the third-party valuations obtained do not reflect fair value (e.g. either because the value is stale and/or the values are extremely diverse in range). These are usually where reliable market prices are no longer available due to an inactive market or market dislocation. In these instances, prices are derived using internal valuation techniques including those as described below with the objective of arriving at a fair value measurement which reflects the price at which an orderly transaction would take place between market participants on the measurement date.

(c) Alternative valuation techniques

Assets valued using this method typically include suspended funds and certain investments deemed to be exposed to potential bespoke risks taking into account current market data.

Investments valued using alternative valuation techniques include financial investments which by their nature do not have an externally quoted price based on regular trades, and financial investments for which markets are no longer active as a result of market conditions (e.g. market illiquidity). The valuation techniques used may include comparison to recent arm's length transactions, reference to other instruments that are substantially the same and discounted cash flow analysis, option adjusted spread models and, if applicable, enterprise valuation. These techniques may include a number of assumptions relating to variables such as credit risk and interest rates. Changes in assumptions relating to these variables could positively or negatively impact the reported fair value of these instruments. When determining the inputs into the valuation techniques used priority is given to publicly available prices from independent sources when available, but overall the source of pricing is chosen with the objective of arriving at a fair value measurement which reflects the price at which an orderly transaction would take place between market participants on the measurement date. The fair value estimates are made at a specific point in time, based upon available market information and judgements about the financial instruments.

D.1.2.2 Valuation bases under Solvency II compared with Irish GAAP (FRS101)

Deferred acquisition costs and intangibles

The value of deferred acquisition costs and other intangible assets, such as distribution rights and software are nil for the solvency II purposes. For IFRS purposes, deferred acquisition costs and other intangible assets are recognised at cost less amortisation.

Deferred tax assets

Deferred tax assets, other than the carry forward of unused tax credits and losses, are calculated based upon the differences between the values given to assets and liabilities for tax purposes and their values in the Solvency II balance sheet. The principles of IFRS are applied to calculate the extent of deferred tax applicable to those value differences. Changes in the valuation of underlying assets or liabilities will give rise to a change in deferred tax balances. Recoverability is assessed on the basis of the balances held and consideration is given to the probability of taxable profit being available against which the underlying recoverable can be offset.

There is no deferred tax asset on the Solvency II balance sheet as at 31 December 2018. The value of deferred tax liability as at 31 December 2018 under Solvency II was £14 million (2017: £17 million).

Investments

Investments (other than assets held for index-linked and unit-linked contracts) comprise the following asset types as included in the Solvency II balance sheet.

Investments for the year-ended 31 December 2018

	£m
Bonds	36
Collective investment undertakings	3
Deposits other than cash equivalents	81
Total	120

All of these investments are valued at fair value within both the Solvency II balance sheet and the Company's financial statements.

Assets held for index-linked and unit-linked contracts

The assets relate to the insurance products where the policyholder bears the investment risk, namely unit-linked products, and are presented as a single line 'Assets held for index-linked and unit-linked funds' within the Solvency II balance sheet. The individual assets are valued using the same approaches as if held outside such funds, and as described above.

Reinsurance Recoverable

Technical provisions are calculated on a gross-of-reinsurance basis, and a corresponding Reinsurance Asset ("Reinsurance Recoverable") exists on the balance sheet, as described in Section D.2.8 and D.2.9.4.

Cash and Cash Equivalents

Cash and cash equivalent are valued at fair value, an amount not less than the amount payable on demand.

Other assets

Other assets comprise the following asset classes as included in the Solvency II balance sheet:

Other assets for the year-ended 31 December 2018

	£m
Insurance and intermediaries receivables	0.1
Reinsurance receivables	7
Receivables (trade, not insurance)	6
Total	13

Other assets in the Solvency II balance sheet are measured at fair value determined using alternate valuation methods that are market consistent and represents the realisable value of individual assets on transfer to a third party. If the IFRS value is a good proxy for fair value no adjustment is made.

Assets are derecognised when it is deemed that substantially all the risks and rewards of ownership have been transferred.

D.2 Technical provisions

D.2.1 Introduction

As a general principle, technical provisions are valued at the amount for which they could theoretically be transferred to a third party in an arm's length transaction. The technical provisions are the sum of two elements: the best estimate liabilities (BEL) and the risk margin.

This section gives an overview of PIA's technical provisions. It outlines the methods and main assumptions used in calculating the technical provisions for each of PIA's material lines of business: *unit-linked insurance* and *insurance with profit participation* ("with profit" business).

PIA does not apply any of the following measures, which are permitted under the Solvency II requirements (subject to approval):

- Matching adjustment, as referred to in Article 77b of the Directive;
- Volatility adjustment, as referred to in Article 77d of the Directive;
- Transitional risk-free interest rate-term structure, as referred to in Article 308c of the Directive;
- Transitional deduction, as referred to in Article 308d of the Directive.

D.2.2 General principles

D.2.2.1 Methods

Solvency II requires that the "liabilities shall be valued at the amount for which they can be settled between knowledgeable and willing parties in an arm's length transaction".

The BEL corresponds to the probability-weighted average of future cash flows, taking account of the time value of money (i.e. the expected present value of future cash flows), using the risk-free interest rate term structure published by EIOPA. The calculation of the BEL is based upon up-to-date and credible information and realistic assumptions (derived from data analysis and expert judgement) and is performed using appropriate actuarial and statistical methods. The cash-flow projection used in the calculation of the BEL takes account of all the cash in-flows and out-flows required to settle the insurance obligations over their lifetime. The BEL is calculated before deduction of the amounts recoverable from reinsurance contracts. Those amounts are calculated separately (see sections D.2.8 & D.2.9).

The risk margin is calculated in line with Solvency II requirements, and aims to ensure that the total technical provisions are equivalent to the cost of transferring the insurance obligations to a third party. The calculation assumes a 6 per cent per annum cost of capital and applies to non-hedgeable risks only. This calculation includes simplified methods and requires assumptions as to the run-off profile of non-hedgeable capital requirements for each line of business, in line with Article 58 of the Delegated Regulation, rather than a full projection of the Solvency Capital Requirement (SCR). The SCR for each non-hedgeable risk is assumed to run-off in-line with suitable profiles which differ depending on the types of non-hedgeable risks. The SCR each year is aggregated using a simplified correlation matrix.

D.2.2.2 Assumptions

The key assumptions required in the valuation of technical provisions are:

- (i) economic assumptions, most of which are published by EIOPA and set by reference to market data at the valuation date;

- (ii) non-economic assumptions, used to derive non-market related best estimate liability cash flows (for example future claims and expenses);

The principal economic assumption is the risk-free interest rate term structure. The risk-free curves at which best estimate liability cash flows are discounted are specified by EIOPA. These curves are based on market swap rates, with a 'credit risk adjustment'. The resulting 10-year risk-free spot rates for the material currencies are given below, after the credit risk adjustment.

10 year risk-free rates at 31 December 2018 (with comparison to 31 December 2017):

Currency	31 December 2018	31 December 2017	Change
British Pound	1.34%	1.19%	0.15%
Euro	0.73%	0.80%	-0.07%
United States Dollar	2.55%	2.32%	0.23%

Non-market assumptions (e.g. persistency, mortality, morbidity and expense assumptions) are derived from analysis of recent historic experience data, and also reflect expected future experience. These assumptions are based on PIA's own experience where there is sufficient reliable data to be analysed. If not, then industry data may be used. Expert judgement is applied where necessary and justification for it is documented.

D.2.3 Quantitative results

The values of the technical provisions for PIA as at 31 December 2018 are set out in the table below.

Gross of reinsurance	2018 £m
Insurance with profit participation	4,972
Unit-Linked Insurance	1,648
Total Best Estimate Liabilities ("BEL")	6,620
Risk Margin	48
Total technical provisions	6,668

Technical provisions are gross of reinsurance.

The with profits benefits attached to the insurance with profit participation line of business are reinsured to the Prudential Assurance Company Limited (PAC). Section D.2.8 and D.2.9 provide further information on Reinsurance Recoverable.

D.2.4 Details on methodology and assumptions by lines of business

This section explains how the best estimate liability (BEL) is calculated for each material line of business.

The best estimate liability has two components, the unit-liability component and the non-unit-liability component. The calculation is slightly different for each of PIA's two lines of business (insurance with profit participation business and unit-linked insurance business). The methods

chosen for each line of business are proportionate to the nature, scale and complexity of the underlying risks.

The non-unit best estimate liability is generally calculated by discounting projected future cash flows from the contracts. This calculation incorporates PIA's best estimate assumptions for the factors that determine the future projected cash flows.

Further details are contained in sections D.2.4.1 and D.2.4.2 below.

D.2.4.1 Insurance with profit participation business

D.2.4.1.1 Background

This category comprises all single premium unit-linked investment products that provide with profits benefits to policyholders. These with profits benefits are provided by The Prudential Assurance Company Limited (PAC) With Profits fund via a reinsurance treaty between PIA and PAC. The with profits fund contains funds that are denominated in EUR, GBP and USD.

This group of products offers a death benefit of either 101% or 100.1% of the cash-in value of the bond, depending on the age of the life assured when the investment was taken out. No benefit is paid on disability and there is no maturity benefit as the product is written on a whole-of-life basis. Surrender is permitted; however, a surrender charge may apply in the first few years.

For a general explanation of how Prudential manages its with profits business, see the document "Principles and Practices of Financial Management". This is a publicly available document published on Prudential's website, www.pru.co.uk.

D.2.4.1.2 Options and guarantees

Two financial guarantees are provided for within the with profits fund:

1. With profits fund guarantees, which include future discretionary benefits and profit sharing;
2. Return of premium guarantees on a small closed block of Austrian business.

Both financial guarantees are 100% reinsured to PAC.

D.2.4.1.3 Reinsurance

PIA reinsures 100% of the with profits benefits to PAC. PIA's reinsurance asset is equal to the value of these with profits benefits, as described in section D2.4.1.4 below. PIA assumes a zero probability of default for this reinsurance asset because the PAC with profits fund is managed to an AAA standard.

D.2.4.1.4 Valuation Methodology

The BEL is calculated as the sum of the unit BEL and the non-unit BEL.

The Unit BEL reflects the value of the with profit benefits reinsured to PAC, and includes both

- the in-force asset share at the valuation date; and
- the value of future differences between reinsurance payments to PIA from PAC and asset shares, arising from options, guarantees and smoothing. These differences are referred to as the Net Cost of Options and Guarantees.

The Asset Share is a value of units that represents the retrospective accumulation of premiums, investment return, claims payments for regular withdrawals and part surrenders, and the charges payable by the policyholder as specified by the policy terms and conditions.

The Net Cost of Options and Guarantees is calculated on a pro-rata basis using the net cost of options and guarantees on similar PAC products. This value is determined using a stochastic modelling approach which allows for realistic management actions that are consistent with the operation of the with profits funds. The PAC management actions include the following:

- Dynamic adjustments to reversionary and terminal bonus rates. This includes adjusting reversionary bonuses to target a specified range of terminal bonus cushion at maturity, or to maintain the solvency ratio of the participating fund in stressed conditions. For terminal bonuses, smoothing rules apply limiting the year on year change for the same bonus series. Terminal bonuses may be subject to a surrender penalty in certain market conditions.
- Market Value Reductions. For some accumulating with profits policies, market value reductions may apply, subject to certain limits.
- Suspension of smoothing. The usual smoothing rules can be suspended to maintain the solvency ratio of the participating fund in stressed conditions.
- Dynamic investment strategy. This can include switching into lower-risk assets to maintain the solvency of the fund in stressed conditions.

The use of similar PAC products to calculate PIA's net cost is deemed reasonable as these products have highly similar product features. As mentioned above, this benefit is 100% reinsured to PAC. Future policyholder behaviour and future management actions have no impact on the liabilities on a net of reinsurance basis.

PIA holds a non-unit BEL for this line of business that is calculated using a deterministic approach by discounting projected future cash flows from the contracts. The non-unit BEL also includes an amount in respect of expected development spend over the 12 months after the valuation date. PIA models the non-unit BEL only. The unit BEL is modelled by PAC for with profit participation business and is set equal to the unit-linked assets for unit-linked funds.

D.2.4.1.5 Assumptions

The most significant assumptions used in the calculation of the non-unit BEL for this business are lapse assumptions and expense assumptions. These are best estimate assumptions.

The lapse assumptions used vary by product and by the duration of the policies, based on the results of annual experience studies. Expense assumptions reflect current and expected future expense levels and business volumes. Expert judgment is also used where deemed necessary. There is significant uncertainty around the long term per policy expense assumption due to the tactical and strategic opportunities currently being explored by the Company. Further detail is set out in Section D.2.6.

PIA currently assumes that the value of the Options and Guarantees on this business is the same value placed on them by PAC.

D.2.4.2 Unit-Linked insurance

D.2.4.2.1 Background

PIA sells a small number of unit-linked products. These products include proprietary and open architecture products. Proprietary products are products where the policyholder can only invest in funds offered by PIA, whereas open architecture products allow policyholders to invest in funds offered by a wide variety of providers. Some products include significant mortality and morbidity benefits, however these products are not open to new business although top-ups are accepted.

D.2.4.2.2 Options and Guarantees

PIA's unit-linked business does not contain any material financial guarantees or options. A small number of products included in this line of business offer a capital redemption option that offers a maturity benefit. As this guarantee is insignificant in size it does not require stochastic modelling.

D.2.4.2.3 Reinsurance

PIA reinsures the risk benefits (e.g. mortality, critical illness and long-term-care) on these products to external reinsurers. Reinsurance is on a quota-share and surplus basis. PIA reinsures at least 75% of these risks.

D.2.4.2.4 Valuation Methodology

The best estimate liability is calculated as the sum of unit reserve plus non-unit reserve. The unit reserve is calculated as the fair value of units deemed allocated at the valuation date discounted as appropriate for future management charges due to the Company. The non-unit reserves comprise:

- the present value of all non-unit cash flows allowing for persistency, mortality, morbidity, the rate at which the unit reserves are expected to grow, expenses, expense inflation, charges for benefits, charges for expenses. This can be negative, and reflects the discounted value of fee income from the unit funds less allowances for expenses.
- any additional reserves required – including long term care, unapplied single premium, Incurred but Not Reported (IBNR) on life and critical illness business, and expected development spend over the 12 months after the valuation date.

The non-unit liability is modelled on a deterministic basis.

D.2.4.2.5 Assumptions

The most significant assumptions for this business are lapse rates and mortality & morbidity rates. The assumptions used vary by product and reflect recent experience where available. Where there is insufficient experience to perform a credible analysis of experience, reinsurers' rates are used.

Expense assumptions are also significant. Expense assumptions reflect current and expected future expense levels and business volumes. Expert judgment is also used where deemed necessary.

Market-related assumptions are discussed in section D.2.2.2.

D.2.5 Simplifications

There are a number of simplified methods used to calculate less material technical provisions. These include the following areas:

- For some less material business (e.g. long term care products which have claims in payment) the technical provisions are set to be those calculated for statutory reporting purposes.
- Some product features with minimal financial significance are not modelled on the grounds of materiality.

D.2.6 Changes in assumptions

In 2018, the significant changes to the assumptions underlying the Company's calculation of technical provisions were as follows:

- Market-driven changes to economic parameters, including changes to risk-free rates as shown in section D.2.2.2.
- Expense assumptions reflect the long-term best estimate level of expenses based on the current operating model for the business, together with an overlay for higher expected short-term expenses relating to the tactical and strategic opportunities currently being explored.

As noted above, an allowance is made for the expected development spend over the 12 months after the valuation date.

D.2.7 Sensitivities & uncertainty

The valuation of technical provisions relies upon the Company's best estimate of future liability cash flows, including the projection of the future level of the SCR in the calculation of the risk margin. These cash flows are derived using best estimate assumptions, which are set using a combination of experience data, market data and expert judgement.

Uncertainty exists in the technical provisions as to whether the actual future cash flows will match those expected under the Company's best estimate assumptions. Over time, experience may differ from the best estimate assumptions or forward-looking expectations may evolve, such that assumptions will be updated with a consequent change in the value of future technical provisions.

D.2.8 Reinsurance recoverables

In the Solvency II balance sheet, the Company includes the full expected cost of claims within the technical provisions, and treats the expected corresponding reinsurance recoverables as an asset. The valuation methods and assumptions for reinsurance recoverables are consistent with the methods and assumptions for the corresponding technical provisions (see sections D.2.2 & D2.4). The value of the recoverable asset is the best estimate of future reinsurance cash flows, allows for the probability of default by the reinsurer.

PIA's primary reinsurance is in respect of its insurance with profit participation business where it reinsures 100% of the unit BEL and the net cost of options and guarantees on such business to its parent company, PAC. The reinsurance arrangement transfers all investment risk to PAC. As a result, PIA has a policyholder liability for insurance with profit participation which is backed by the PAC reinsurance asset.

With respect to its unit-linked insurance line of business where such business has significant death and/or disability benefits, PIA has a reinsurance arrangement in place with an external reinsurer where at least 75% of the mortality and morbidity risk on such products are reinsured.

PIA does not include an allowance for counterparty risk within its reinsurance recoverables calculation in relation to the Insurance with profit participation business. This business is reinsured into the PAC with profits fund, a fund which is managed to a high credit rating level and which would give rise to a negligible default risk after allowing for expected recoveries. Allowance is made for default of the mortality and morbidity reinsurance on the unit-linked insurance business. However, the impact is immaterial.

D.2.9 Comparing Solvency II with the financial statements

D.2.9.1 Overview

A number of different approaches and methodologies are used to calculate the technical provisions for financial statement reporting purposes and for Solvency II reporting purposes. As a result, there are differences in the technical provisions reported under each basis.

The following table shows the reconciliation in respect of the technical provisions reported in the financial statements and those reported under Solvency II. The sections beneath explain the key differences in methodology and assumptions.

Reconciliation of technical provisions	Solvency II £m	Financial Statements £m	Difference £m
Technical Provisions	6,668	6,725	(57)
Best Estimate	6,620	6,725	(105)
Insurance with profit participation business	4,972	4,972	(0.4)
Unit-linked business	1,648	1,756	(108)
Risk Margin	48	-	48
Insurance with profit participation business	37	-	37
Unit-linked business	11	-	11

D.2.9.2 Main Methodology Differences

The main methodology differences between the two bases are:

- The financial statements are based on a prudent assessment of non-unit liabilities that does not recognise the value of future fee income in excess of that required to meet the projected cash outflows on the business. The Solvency II liabilities recognise these fully on a best estimate basis.
- Different approaches are used to calculate the best estimate liabilities on insurance with profit participation business; the Solvency II value reflects the full asset share, net cost of options and guarantees, and the present value of future profits associated with the business. The financial statements value can be lower because it is based on the minimum of the surrender value and the asset share for certain products, and currently the asset share exceeds the surrender value.
- The financial statements include a “Deferred Income Reserve” on unit-linked insurance business. This is removed under Solvency II.
- Inclusion of a risk margin for Solvency II reporting requirements.

D.2.9.3 Main Assumption Differences

The assumptions used within the calculation of the technical provisions for the financial statements include a margin for prudence. However, for Solvency II reporting purposes, these margins have been removed and the technical provisions are calculated using best estimate assumptions. The impact of these assumption changes is captured in the non-unit liability.

The technical provisions for Solvency II purposes also include additional expenses above those included in the financial statements. These expenses are short term in nature and relate to commitments that have been made and are not allocated to maintenance or acquisition expenses.

D.2.9.4 Reinsurance Recoverable

A reconciliation of the reinsurance asset reported in the financial statements and under Solvency II is set out in the table below.

Reconciliation of Reinsurance Recoverable	Solvency II £m	Financial statements £m	Difference £m
Total Reinsurance Recoverable	5,081	4,981	100
Internal Reinsurance	5,110	4,968	142
Insurance with profit participation business	5,110	4,968	142
External Reinsurance	(29)	13	(42)

The main differences are:

- Different approaches are used to calculate the reinsurance asset on insurance with profit participation business, as described in section D.2.8.
- The Reinsurance Asset corresponds with the reinsurers share of the liability on mortality and morbidity business. Under Solvency II the asset is negative as the full future cost of the reinsurance on a best estimate basis is reflected on the balance sheet.

D.3 Valuation of other liabilities

D.3.1 Introduction

Other liabilities for Solvency II purposes are valued separately using valuation methods that are consistent with the valuation approach set out in the Solvency II directives. Unless otherwise stated, valuation of other liabilities are carried out in conformity with IFRS, where this is consistent with the objectives of Solvency II.

D.3.2 Valuation bases under Solvency II compared to IFRS

The valuation basis of each material class of other liabilities are described below:

Deferred tax liabilities

Deferred taxes are calculated based upon the differences (“temporary differences”) between the values given to assets and liabilities in the Solvency II balance sheet and their values for tax and

statutory reporting purposes. The principles of IAS 12 “Income Taxes” is applied to calculate the extent of deferred taxes applicable on those value differences. The provision for the deferred tax is mainly driven by adjustments made to Technical provisions (Net of Reinsurance) between an IFRS and Solvency II basis. The capitalised value of the future profits is one of these adjustments, and this results in a corresponding increase in the deferred tax liability.

Other liabilities

Other liabilities for the year-ended 31 December 2018	£m
Provisions other than technical provisions	2
Insurance & intermediaries payables	75
Reinsurance payables	2
Payables (trade, not insurance)	18
Total	97

Other liabilities in the Solvency II balance sheet are measured at fair value determined using alternative valuation methods that are market consistent and represent the value to settle the liabilities with the third party. Where the IFRS valuation is a good proxy for fair value no adjustment is made.

Provisions other than Technical Provisions

Provisions are recognised when the Company has a present obligation (legal or constructive) as a result of a past event, it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation and a reliable estimate can be made of the amount of such an obligation. Provisions are discounted when the effect of the time value of money is considered material. There is one provision which relates to PIA’s estimated liability in respect of historical investment management fees in relation to alternative assets. The provision is based on the best estimate of the potential amount payable.

There are no changes made to the recognition and valuation bases used or on estimations during the reporting period.

D.4 Alternative methods for valuation

The use of alternative methods for valuation by the Company are discussed in sections D.1 to D.3 above. £16 million (2017: £18 million) of assets are valued using alternative valuation methods (as per section D1.2.1). These relate to assets held in index-linked and unit-linked funds, which are materially offset by unit-linked liabilities. Therefore any valuation changes in this category would not have a material effect on the valuation Solvency II own funds.

The Prudential Group has developed Group-wide Independent Price Verification procedures which cover all investment asset classes owned by the business units of the Group, including the Company, and set minimum requirements for the governance surrounding valuation process. These standards require that processes are established to verify the accuracy and independence of model inputs and market prices provided by third parties. Where mark to mark valuations are not available from independent price sources, the Independent Price Verification standards set minimum requirements for mark to model valuations. The Independent Price Verification standards require the documentation and monitoring of all assumptions, inputs and any mathematical modelling, using market observable standards and inputs where possible.

Valuation uncertainty refers to the variability of the fair value measurement that exists at any given reporting date/time for a financial instrument or portfolio of positions. The Independent Price Verification standards require documentation of the process for assessing valuation uncertainty, including the controls surrounding valuation models and an understanding of the model assumptions and limitation.

D.5 Any Other Information

There is no other material information regarding the valuation of assets and liabilities for solvency purposes which has not been disclosed above.

E. Capital Management

E.1 Own funds

E.1.1 Overview

The Own Funds have been prepared using the controls set out in the PIA's Own Funds Policy, approved by the Technical Committee in January 2019.

E.1.2 Objectives, policies and processes for managing own funds

The Company manages its Solvency II own funds as its measure of capital. The Company manages its Solvency II capital to ensure that sufficient own funds are available on an ongoing basis to meet regulatory capital requirements.

The Company prepares a projected capital position as part of its business planning process. The business plan is prepared annually on a rolling basis and covers a three-year period. There were no material changes in the objectives, policies or processes for managing the Company's own funds during the year.

The assets and liabilities underpinning the Solvency II basic own funds are valued separately using valuation methods that are consistent with the valuation approach set out in the Solvency II directives. These methods are described in Section D of this document.

E.1.3 Analysis of the components of own funds

The following components make up the PIA's own funds amount:

	Total £m	Tier 1 unrestricted £m	- Tier 1 - restricted £m	Tier 2 £m	Tier 3 £m
Ordinary share capital (note b)	24	24	-	-	-
Reconciliation reserve (note c)	158	158	-	-	-
Other items approved by supervisory authority as basic own funds (note d)	23	23			
Total own funds (note a)	205	205			

Notes:

- (a) The PIA's basic own funds principally comprises equity share capital, retained earnings attributable to equity shareholders calculated in the reconciliation reserves, and capital contribution approved by CBI. PIA has no ancillary own funds.
- (b) Equity Share Capital
The PIA's ordinary share capital represents 101,381,272 ordinary shares of €1.27 each (partly paid amount equals 25% of each nominal share value, being €0.3175). There is only one class of share capital. The ordinary shares have call rights to dividends, are entitled to a surplus on a winding up and have full voting rights.

(c) Reconciliation reserve

The reconciliation reserve represents the residual of excess of assets over liabilities after deducting (i) equity share capital comprising ordinary share capital and share premium; (ii) Capital Contribution. The key elements of this are IFRS retained earnings and the non-unit-linked technical provisions, net of the corresponding Deferred Tax Liability.

(d) Other items approved by supervisory authority as basic own funds

This represents the £23 million Capital Contribution approved by CBI in December 2015.

E.1.4 Reconciliation of published Solvency II disclosure to QRT results

The Solvency II results included in the QRT's have been agreed back to the Company's financial statements. The final SII results included in the QRTs were reviewed by the board in April 2019. A summary of the reconciliation is shown in table below.

Q4 2018 £m				
	Own Funds	SCR	Surplus	Ratio
Disclosed PIA shareholder result	205	137	68	150%
QRT adjustment:				
Less foreseeable dividend	-	-	-	
	205	137	68	

E.1.5 Comparison with financial statements

This section explains the differences between equity in the financial statements and the Solvency II own funds, i.e. the excess of assets over liabilities for solvency purposes.

Reconciliation of equity and Solvency II surplus	£m
Shareholder's equity in Financial Statements at 31 December 2018	105
Removal of deferred acquisition costs and intangibles ⁽¹⁾	(46)
Change in valuation of technical provisions, net of reinsurance ⁽²⁾	208
Change in Risk Margin ⁽³⁾	(48)
Change in value of deferred tax principally as a result of valuation changes ⁽⁴⁾	(14)
Excess of assets over liabilities as recorded in the Solvency II Balance Sheet	205

Notes to Table

The movement between equity in the financial statements and excess of assets over liabilities under Solvency II is discussed below. The numbering corresponds to the superscripts in the table above.

- Deferred acquisition costs and other intangibles such as deferred income reserve contributing to equity in the financial statements are revalued to nil for Solvency II purposes.

2. Under Solvency II, technical provisions are calculated on a best estimate basis and a risk margin is added. This best estimate includes recognition of expected future premiums (net of related costs/claims) for contracts already written by PIA at the balance sheet date, subject to regulatory restrictions. This adjustment therefore accounts for any differences in the valuation assumptions for solvency compared with those for the financial statements.
3. The technical provisions for Solvency II reporting include the Risk Margin. The Risk Margin does not exist in the financial statements.
4. The material differences that impact deferred tax are set out in section D.3.2.

E.2 Solvency Capital Requirements and Minimum Capital Requirement

E.2.1 Overview

For the purpose of Solvency II regulatory reporting and disclosures, risk management, and calculation of any free surplus generation, Prudential Group has approval to use an internal model for calculating the SCR. PIA is using this internal model to calculate its SCR. The assets and liabilities are valued on a Solvency II basis.

The MCR is a formulaic calculation, which is subject to a cap and a floor that are both expressed relative to the SCR.

E.2.2 Results

E.2.2.1 Summary

The following table shows the company's diversified SCR and MCR at 31 December 2018.

	2018 £m
SCR – internal model	136.6
MCR	34.2

E.2.2.2 SCR by Risk Category

The main risks covered by the SCR are quantified in the table below:

Risk Category	2018 £m
Market Risk	146.1
Life underwriting risk	12.5
Lapse	124.6
Expense	63.8
Operational risk	28.9
Diversification	-185.0
Loss-absorbing capacity of deferred tax	-18.6
Other adjustments (Interaction effects)	-35.7
Total	136.6

E.2.2.3 MCR

Minimum capital requirement at 31 December 2018 in the table below:

MCR	2018 £m
Linear formula component for non-life insurance and reinsurance obligations	0.0
Linear formula component for life insurance and reinsurance obligations	12.1
Linear MCR	12.1
SCR	136.6
MCR cap	61.5
MCR floor	34.2
Combined MCR	34.2
Absolute floor of the MCR	3.3
MCR	34.2

The inputs used to calculate the MCR are detailed in Quantitative Reporting Template S.28.01.01. The MCR is currently 25% of the SCR.

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

PIA has not used the duration-based equity risk sub-module in the calculation of its SCR as it is a standard formula approach and not applicable to an internal model firm such as Prudential.

E.4 Differences between the standard formula and the internal model

E.4.1 Overview

The Company's internal model, which is calibrated to the rules and requirements of the Solvency II Directive, is a key risk management tool and refers to the collection of systems and processes used to identify, monitor and quantify risks for the purpose of calculating the Solvency II Solvency Capital Requirement and Economic Capital requirements. This is a risk-based measure and, compared to the standard formula (as described below), has the advantage of better reflecting the specifics of the Company's business and risks. At a PIA level, however, the standard formula and internal model do not currently produce materially different answers on a like-for-like basis.

The standard formula capital refers to the capital that is calculated in line with the standard formula rules provided by the Solvency II Directive. Even though standard formula, as part of Solvency II, represents a risk-based measure, it is based on a set of prescribed parameters, calibrated for European insurers and therefore it does not fully reflect the characteristics of PIA and the specific structure and risks the Company is exposed to.

The Company's internal model is used in areas where risk-based decision making or risk-related considerations are required, such as capital management, investment strategy, product development and management.

The internal model is described as “partial” because the Group’s US insurance companies are aggregated into the Group SCR using method 2: deduction and aggregation. For PAC, and hence PIA, a partial internal model is used.

As required in Article 101 of Directive 2009/138/EC, the SCR from the approved internal model is calculated as the Value-at-Risk of the basic own funds of an (re)insurance undertaking at a confidence level of 99.5 per cent over a one-year period. The main risk categories allowed for in the internal model are shown in section E.2.2 and are used to generate multiple thousands of risk scenarios, which together with an appropriate dependency between the risk drivers, generate the probability distribution for the own funds. The internal model SCR is calculated from the 0.5th worst percentile of the resulting probability distribution.

E.4.2 Structure of the model and aggregation methodologies

The standard formula and internal model adopt the same model structure, however there are still key methodology differences as mentioned in E4.5.

E.4.3 Probability Distribution Function

The Probability Distribution Function (PDF) required is for the basic own funds in one year’s time. When deriving the realistic probability distribution for the basic own funds in one year’s time, profits and losses which are expected to arise over that year (but are not included in the BEL) should be included. The internal model selects appropriate risk drivers that represent the risks to which the company is exposed. The risk drivers are modelled to produce up to 100,000 risk scenarios, and they are required to represent an appropriate probability distribution for each risk driver in isolation and also an appropriate dependency between the risk drivers. Unlike in the standard formula SCR, changes in each of the internal model risk drivers apply simultaneously in each risk scenario, so the combined impact and interactions between the risks are more accurately reflected in the internal model SCR. These 100,000 risk scenarios are used to produce the probability distribution for the own funds.

E.4.4 Risks covered by standard formula and internal model

The same risks are covered by both the standard formula and the internal model. PIA currently models the following risk categories in its internal model:

- **Market risks:** equity, yield curve level, corporate credit, counterparty credit, property and currency;
- **Non-market risks:** expense & expense inflation, lapse, mortality, morbidity and life catastrophe;
- **Other risks:** operational and concentration.

Risks are reviewed on an annual basis as part of the risk identification process to ensure the internal model accurately reflects the risks to which the company is exposed.

Further details on the differences in methodologies by risk module are provided in the following section.

There are a number of risks that PIA’s internal model doesn’t cover and these are outlined in section C.6 “Other Material risks”.

E.4.5 Main Differences in methodology and assumptions

The standard formula and internal model adopt the same model structure, however there are still key methodology differences in the calculation of the SCR, as set out below:

- The standard formula SCR is derived by calculating the impact of each stress individually and then aggregating the results using prescribed correlation matrices. The standard formula does not allow for any interaction effects between risks which are allowed for in the internal model calculations.
- Standard formula stresses and correlations differ to the internal model stresses for most risk categories. Whereas the standard formula stresses are prescribed, the internal model stresses are set to reflect PIA's specific risk profile and are derived from a combination of data analysis and expert judgement and are subject to the internal model tests and standards required by the Solvency II Directive ([and in particular] Articles 120-126 covering: use test, statistical quality standards, calibration standards, profit and loss attribution validation standards, documentation standards and external models and data).
- The Internal model includes capital in relation to 1 year's New Business and recognises the contribution to Own Funds. The Standard formula SCR does not include 1 year's New Business.

E.4.6 Nature and appropriateness of data

Data is defined as "items of dynamic information used in the model to which agreed (static) methodology is applied in order to generate results".

The data used in the internal model covers the following:

- Liability data
- Asset data
- Finance data
- Operational risk data
- Policyholder data
- Assumption setting data (including economic, demographic and other data)
- Other data

The quality of the data is subject to the internal model data quality framework to ensure the accuracy, completeness, appropriateness and timeliness of the data.

E.5 Non-compliance with Minimum Capital Requirement and Solvency Capital Requirement

PIA currently complies with the Minimum Capital Requirement and the Solvency Capital Requirement.

E.6 Any other information

There is no other information to note.

Appendix

QRTs Reference	QRTs Name
S.02.01.02	Balance Sheet
S.05.01.02	Premiums Claims and Expenses by LOB
S.05.02.01	Premiums Claims Expenses by country
S.12.01.02	Technical Provisions
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	MCR - Non Composite

S.02.01.02 Balance Sheet**(Balances in '000 units)**

		Solvency II value
		C0010
Assets		
R0010	Goodwill	0.00
R0020	Deferred acquisition costs	0.00
R0030	Intangible assets	0.00
R0040	Deferred tax assets	0.00
R0050	Pension benefit surplus	0.00
R0060	Property, plant & equipment held for own use	63
R0070	Investments (other than assets held for index-linked and unit-linked contracts)	119,770
R0080	<i>Property (other than for own use)</i>	0.00
R0090	<i>Holdings in related undertakings, including participations</i>	0.00
R0100	<i>Equities</i>	0.00
R0110	<i>Equities - listed</i>	0.00
R0120	<i>Equities - unlisted</i>	0.00
R0130	<i>Bonds</i>	36,197
R0140	<i>Government Bonds</i>	36,197
R0150	<i>Corporate Bonds</i>	0.00
R0160	<i>Structured notes</i>	0.00
R0170	<i>Collateralised securities</i>	0.00
R0180	<i>Collective Investments Undertakings</i>	2,908
R0190	<i>Derivatives</i>	0.00
R0200	<i>Deposits other than cash equivalents</i>	80,665
R0210	<i>Other investments</i>	0.00
R0220	Assets held for index-linked and unit-linked contracts	1,727,342
R0230	Loans and mortgages	0.00
R0240	<i>Loans on policies</i>	0.00
R0250	<i>Loans and mortgages to individuals</i>	0.00
R0260	<i>Other loans and mortgages</i>	0.00
R0270	Reinsurance recoverables from:	5,080,665
R0280	<i>Non-life and health similar to non-life</i>	0.00
R0290	<i>Non-life excluding health</i>	0.00
R0300	<i>Health similar to non-life</i>	0.00
R0310	<i>Life and health similar to life, excluding index-linked and unit-linked</i>	5,109,559
R0320	<i>Health similar to life</i>	0.00
R0330	<i>Life excluding health and index-linked and unit-linked</i>	5,109,559
R0340	<i>Life index-linked and unit-linked</i>	-28,894
R0350	Deposits to cedants	0.00
R0360	Insurance and intermediaries receivables	164
R0370	Reinsurance receivables	6,864
R0380	Receivables (trade, not insurance)	5,177
R0390	Own shares (held directly)	0.00
R0400	Amounts due in respect of own fund items or initial fund called up but not yet paid in	0.00
R0410	Cash and cash equivalents	43,481
R0420	Any other assets, not elsewhere shown	0.00
R0500	Total assets	6,983,525

S.02.01.02 Balance Sheet Continued**(Balances in '000 units)**

		Solvency II value
		C0010
Liabilities		
R0510	Technical provisions - non-life	0.00
R0520	Technical provisions - non-life (excluding health)	0.00
R0530	TP calculated as a whole	0.00
R0540	Best Estimate	0.00
R0550	Risk margin	0.00
R0560	Technical provisions - health (similar to non-life)	0.00
R0570	TP calculated as a whole	0.00
R0580	Best Estimate	0.00
R0590	Risk margin	0.00
R0600	Technical provisions - life (excluding index-linked and unit-linked)	5,009,735
R0610	Technical provisions - health (similar to life)	0.00
R0620	TP calculated as a whole	0.00
R0630	Best Estimate	0.00
R0640	Risk margin	0.00
R0650	Technical provisions - life (excluding health and index-linked and unit-linked)	5,009,735
R0660	TP calculated as a whole	0.00
R0670	Best Estimate	4,972,460
R0680	Risk margin	37,275
R0690	Technical provisions - index-linked and unit-linked	1,658,879
R0700	TP calculated as a whole	0.00
R0710	Best Estimate	1,647,824
R0720	Risk margin	11,055
R0730	Other technical provisions	0.00
R0740	Contingent liabilities	0.00
R0750	Provisions other than technical provisions	1,910
R0760	Pension benefit obligations	0.00
R0770	Deposits from reinsurers	0.00
R0780	Deferred tax liabilities	13,391
R0790	Derivatives	0.00
R0800	Debts owed to credit institutions	0.00
ER0801	Debts owed to credit institutions resident domestically	0.00
ER0802	Debts owed to credit institutions resident in the euro area other than domestic	0.00
ER0803	Debts owed to credit institutions resident in rest of the world	0.00
R0810	Financial liabilities other than debts owed to credit institutions	0.00
ER0811	Debts owed to non-credit institutions	0.00
ER0812	Debts owed to non-credit institutions resident domestically	0.00
ER0813	Debts owed to non-credit institutions resident in the euro area other than domestic	0.00
ER0814	Debts owed to non-credit institutions resident in rest of the world	0.00
ER0815	Other financial liabilities (debt securities issued)	0.00
R0820	Insurance & intermediaries payables	75,386
R0830	Reinsurance payables	1,591
R0840	Payables (trade, not insurance)	17,795
R0850	Subordinated liabilities	0.00
R0860	Subordinated liabilities not in BOF	0.00
R0870	Subordinated liabilities in BOF	0.00
R0880	Any other liabilities, not elsewhere shown	0.00
R0900	Total liabilities	6,778,688
		0
R1000	Excess of assets over liabilities	204,837

S.05.01.02 Premiums Claims and Expenses by LOB

(Balances in '000 units)

Line of Business for: life insurance obligations						Life reinsurance obligations		Total
Health insurance	Insurance with profit participation	Index-linked and unit-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 obligations	Health reinsurance	Life reinsurance	
C0210	C0220	C0230	C0240	C0250	C0260	C0270	C0280	C0300
Premiums written								
R1410 Gross	0.00	874,948	145,761	0.00	0.00	0.00	0.00	1,020,709
R1420 Reinsurers' share	0.00	860,558	20,155	0.00	0.00	0.00	0.00	880,713
R1500 Net	0.00	14	126	0.00	0.00	0.00	0.00	139,996
Premiums earned								
R1510 Gross	0.00	874,948	145,761	0.00	0.00	0.00	0.00	1,020,709
R1520 Reinsurers' share	0.00	860,558	20,155	0.00	0.00	0.00	0.00	880,713
R1600 Net	0.00	14	126	0.00	0.00	0.00	0.00	139,996
Claims incurred								
R1610 Gross	0.00	350,576	146,206	0.00	0.00	0.00	0.00	496,782
R1620 Reinsurers' share	0.00	348,862	14,165	0.00	0.00	0.00	0.00	363,028
R1700 Net	0.00	2	132	0.00	0.00	0.00	0.00	133,755
Changes in other technical provisions								
R1710 Gross	0.00	-428,743	118,568	0.00	0.00	0.00	0.00	-310,175
R1720 Reinsurers' share	0.00	-428,766	-2,049	0.00	0.00	0.00	0.00	-430,816
R1800 Net	0.00	0	121	0.00	0.00	0.00	0.00	120,641
R1900 Expenses incurred	0.00	48,162	18,725	0.00	0.00	0.00	0.00	66,887
R2500 Other expenses								
R2600 Total expenses								66,887

S.05.02.01 Premiums claims expenses by country**(Balances in '000 units)**

R1400

Home Country	Top 5 countries (by amount of gross premiums written) - life obligations					Total Top 5 and home country
	GB	JE	IM	MT	ES	
C0220	C0230	C0240	C0250	C0260	C0270	C0280
0.00	696,263	131,872	57,676	36,208	35,466	957,485
0.00	567,895	129,704	54,939	33,389	-34,866	751,061
0.00	128	2	3	3	70	206
0.00	696,263	131,872	57,676	36,208	35,466	957,485
0.00	567,895	129,704	54,939	33,389	-34,866	751,061
0.00	128	2	3	3	70	206
0.00	318,634	59,835	18,820	6,964	9,450	413,703
0.00	208,896	56,527	16,958	3,986	8,887	295,253
0.00	110	3	2	3	1	118
0.00	-180,968	-57,230	-30,349	-24,103	-22,001	-314,652
0.00	-298,547	-60,565	-31,496	-22,403	-22,862	-435,872
0.00	118	3	1	-2	1	121
0.00	44,551	4,492	3,842	3,232	1,770	57,887
						57,887

S.12.01.02 Life and Health SLT Technical provisions

(Balances in '000 units)

	Index-linked and unit-linked insurance			Other life insurance			Annuities stemming from non-life insurance contracts and relating to insurance obligation other than health insurance obligations	Accepted reinsurance					Total (Life other than health insurance, incl Unit-linked)	
Insurance with profit participation		Contracts without options and guarantees	Contracts with options or guarantees		Contracts without options and guarantees	Contracts with options or guarantees		Insurance with profit participation	Index-linked and unit-linked insurance	Other life insurance	Annuities stemming from non-life accepted insurance contracts and relating to insurance obligation other than health insurance obligations			
	C0020	C0030	C0040	C0050	C0060	C0070	C0080	C0090	C0100	C0110	C0120	C0130	C0140	C0150
Technical provisions calculated as a whole	-	-			0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Recoverables from reinsurance/SPV and Finite Re after the adjustment for expected losses due to counterparty default associated to TP calculated as a whole	-	-			0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00
Technical provisions calculated as a sum of BE and RM														
Best estimate														
Gross Best Estimate	4,972,460		1,647,824	0.00				0.00	0.00	0.00	0.00	0.00	0.00	6,620,285
Total recoverables from reinsurance/SPV and Finite Re before the adjustment for expected losses due to counterparty default	0.00		0.00	0.00				0.00	0.00					0.00
Recoverables from reinsurance (except SPV and Finite Re) before adjustment for expected losses	0.00		0.00	0.00				0.00	0.00					0.00
Recoverables from SPV before adjustment for expected losses	0.00		0.00	0.00				0.00	0.00					0.00
Recoverables from Finite Re before adjustment for expected losses	0.00		0.00	0.00				0.00	0.00					0.00
Total Recoverables from reinsurance/SPV and Finite Re after the adjustment for expected losses due to counterparty default	5,109,559		(28,894)	0.00				0.00	0.00	0.00	0.00	0.00	0.00	5,080,665
Best estimate minus recoverables from reinsurance/SPV and Finite Re	(137,098)		1,676,718	0.00				0.00	0.00					1,539,620
Risk margin	37,275	11,055			0.00			0.00	0.00	0.00	0.00	0.00	0.00	48,330
Amount of the transitional on Technical Provisions														
Technical Provisions calculated as a whole	0.00	0.00			0.00			0.00	0.00					0.00
Best estimate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					0.00
Risk margin	0.00	0.00			0.00			0.00	0.00					0.00
Technical provisions - total	5,009,735	1,658,879			0.00			0.00	0.00					6,668,615

S.23.01.01 Own Funds**(Balances in '000 units)**

Basic own funds before deduction for participations in other financial sector as foreseen in article 68 of Delegated Regulation 2015/35

R0010	Ordinary share capital (gross of own shares)
R0030	Share premium account related to ordinary share capital
R0040	Initial funds, members' contributions or the equivalent basic own-fund item for mutual and mutual-type undertakings
R0050	Subordinated mutual member accounts
R0070	Surplus funds
R0090	Preference shares
R0110	Share premium account related to preference shares
R0130	Reconciliation reserve
R0140	Subordinated liabilities
R0160	An amount equal to the value of net deferred tax assets
R0180	Other own fund items approved by the supervisory authority as basic own funds not specified above

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

R0220	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
-------	---

Deductions

R0230	Deductions for participations in financial and credit institutions
-------	--

R0290 Total basic own funds after deductions

Ancillary own funds

R0300	Unpaid and uncalled ordinary share capital callable on demand
R0310	Unpaid and uncalled initial funds, members' contributions or the equivalent basic own fund item for mutual and mutual - type undertakings, callable on demand
R0320	Unpaid and uncalled preference shares callable on demand
R0330	A legally binding commitment to subscribe and pay for subordinated liabilities on demand
R0340	Letters of credit and guarantees under Article 96(2) of the Directive 2009/138/EC
R0350	Letters of credit and guarantees other than under Article 96(2) of the Directive 2009/138/EC
R0360	Supplementary members calls under first subparagraph of Article 96(3) of the Directive 2009/138/EC
R0370	Supplementary members calls - other than under first subparagraph of Article 96(3) of the Directive 2009/138/EC
R0390	Other ancillary own funds
R0400	Total ancillary own funds

Total	Tier 1 unrestricted	Tier 1 restricted	Tier 2	Tier 3
C0010	C0020	C0030	C0040	C0050
24,004	24,004	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
158,221	158,221	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
22,612	22,612	0.00	0.00	0.00

0.00

0.00	0.00	0.00	0.00	0.00
------	------	------	------	------

204,837	204,837	0.00	0.00	0.00
---------	---------	------	------	------

0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00

S.23.01.01 Own Funds Continued

(Balances in '000 units)

Available and eligible own funds

R0500 Total available own funds to meet the SCR

R0510 Total available own funds to meet the MCR

R0540 Total eligible own funds to meet the SCR

R0550 Total eligible own funds to meet the MCR

R0580 SCR

R0600 MCR

R0620 Ratio of Eligible own funds to SCR

R0640 Ratio of Eligible own funds to MCR

Reconciliation reserve

R0700 Excess of assets over liabilities

R0710 Own shares (held directly and indirectly)

R0720 Foreseeable dividends, distributions and charges

R0730 Other basic own fund items

R0740 Adjustment for restricted own fund items in respect of matching adjustment portfolios and ring fenced funds

R0760 Reconciliation reserve

Expected profits

R0770 Expected profits included in future premiums (EPIFP) - Life business

R0780 Expected profits included in future premiums (EPIFP) - Non- life business

R0790 Total Expected profits included in future premiums (EPIFP)

Total	Tier 1 unrestricted	Tier 1 restricted	Tier 2	Tier 3
-------	------------------------	----------------------	--------	--------

204,837	204,837	0.00	0.00	0.00
204,837	204,837	0.00	0.00	0.00
204,837	204,837	0.00	0.00	0.00
204,837	204,837	0.00	0.00	0.00

136,642
34,161
149.91%
599.63%

C0060

204,837
0.00
0.00
46,616
0.00
158,221

12,000
0.00
12,000

S.25.02.21 Solvency Capital Requirement – for undertakings using the standard formula and partial internal model

(Balances in '000 units)

	Unique number of component	Component description	Calculation of the Solvency Capital Requirement	Allocation from adjustments due to RFF and Matching adjustments portfolios	Amount modelled	USP	Simplifications
Row	C0010	C0020	C0030	C0050	C0070	C0090	C0120
1	10400I	Equity risk - Insurance	83,047		95,601		
2	10600I	Property risk - Insurance	12,569		13,226		
3	30100I	Mortality risk - Insurance	12,270		13,651		
4	30300I	Disability-morbidity risk - Insurance	219		239		
5	30600I	Expense risk - Insurance	63,757		62,432		
6	70100I	Operational risk - Insurance	28,859		22,664		
7	80300I	Loss-absorbing capacity of deferred tax - Insurance	-18,567		-18,431		
8	80400I	Other adjustments - Insurance	-35,689		-34,862		
9	10300I	Other Interest Rate Risk – Insurance	8,099		10,504		
10	10700I	Spread Risk – Insurance	23,383		18,246		
11	10900I	Currency Risk – Insurance	19,048		20,023		
12	30500I	Other Lapse Risk – Insurance	124,608		114,649		

Calculation of Solvency Capital Requirement

R0110	Total undiversified components
R0060	Diversification
R0120	Adjustment due to RFF/MAP nSCR aggregation
R0160	Capital requirement for business operated in accordance with Art. 4 of Directive 2003/41/EC
R0200	Solvency capital requirement excluding capital add-on
R0210	Capital add-ons already set
R0220	Solvency capital requirement

C0100

321,604
-184,962
136,642
136,642

Other information on SCR

R0300	Amount/estimate of the overall loss-absorbing capacity of technical provisions
R0310	Amount/estimate of the overall loss-absorbing capacity of deferred taxes
R0400	Capital requirement for duration-based equity risk sub-module
R0410	Total amount of Notional Solvency Capital Requirements for remaining part
R0420	Total amount of Notional Solvency Capital Requirement for ring fenced funds
R0430	Total amount of Notional Solvency Capital Requirement for matching adjustment portfolios
R0440	Diversification effects due to RFF nSCR aggregation for article 304
R0450	Method used to calculate the adjustment due to RFF/MAP nSCR aggregation
R0460	Net future discretionary benefits

-18,567
136,642
No adjustment

(Balances in '000 units)

C0010

R0010 MCR_{NI} Result

0.00

Net (of reinsurance/SPV) best estimate and TP calculated as a whole	Net (of reinsurance written premiums in the last 12 months
---	--

C0020	C0030	α	β	$\alpha.B + \beta.C$
		4.7%	4.7%	
		13.1%	8.5%	
		10.7%	7.5%	
		8.5%	9.4%	
		7.5%	7.5%	
		10.3%	14.0%	
		9.4%	7.5%	
		10.3%	13.1%	
		17.7%	11.3%	
		11.3%	6.6%	
		18.6%	8.5%	
		18.6%	12.2%	
		18.6%	15.9%	
		18.6%	15.9%	
		18.6%	15.9%	
		18.6%	15.9%	

TS MCR.12

S.28.01.01 Minimum Capital Requirement

(Balances in '000 units) (continued)

Linear formula component for life insurance and reinsurance obligations

R0200 MCR_L Result

C0040

12,054

Net (of reinsurance/SPV) best estimate and TP calculated as a whole	Net (of reinsurance/SPV) total capital at risk
---	--

C0050

C0060

0.00	
0.00	
1,676,718	
0.00	
	452,964

3.7%
-5.2%
0.7%
2.1%
0.07%

TS MCR.13

0
0
11,737
0
317
12,054

R0210 Obligations with profit participation - guaranteed benefits

R0220 Obligations with profit participation - future discretionary benefits

R0230 Index-linked and unit-linked insurance obligations

R0240 Other life (re)insurance and health (re)insurance obligations

R0250 Total capital at risk for all life (re)insurance obligations

Overall MCR calculation

R0300 Linear MCR

R0310 SCR

R0320 MCR cap

R0330 MCR floor

R0340 Combined MCR

R0350 Absolute floor of the MCR

C0070

12,054
136,642
61,489
34,161
34,161
3,288

R0400 Minimum Capital Requirement

34,161