

LANCASHIRE INSURANCE COMPANY (UK) LIMITED

Financial Statements

For the year ended 31 December 2017

Registered in England and Wales number 05747877

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The Directors' present their audited financial statements for Lancashire Insurance Company (UK) Limited, registered company number 05747877 for the year ended 31 December 2017.

Directors' interests

The names of the Directors of the Company as at 31 December 2017 appear on page 3. The Directors who served throughout the year are as follows:

Russell Worsley
Michael Connor
Steve Smart
Paul Gregory
Hayley Johnston
David Sharp
Steve Yeo
Adrian Colosso
Samantha Hoe-Richardson

None of the Directors have any financial interest in the Company. The interests of Directors in other companies in the Lancashire Insurance Group are dealt with in note 15.

Payment policy

It is the Company policy to pay creditors when they fall due for payment. Terms of payment are agreed with suppliers when negotiating each transaction and the policy is to abide by those terms, provided that the suppliers also comply with all relevant terms and conditions.

Employees

All UK employees providing services to the Company are remunerated by LISL. The emoluments of these employees are recharged, as part of a management charge under management service agreements, ultimately, to the insurance operating divisions of the Lancashire Insurance Group.

Remuneration of Directors is dealt with in note 15.

Statement of disclosure of information to auditors

Each person who is a Director at the date of approval of this Report confirms that:

- So far as the Director is aware, there is no relevant audit information of which the Company's auditors are unaware; and
- He or she has taken all the steps that ought to have been taken in order to make himself or herself aware of any relevant audit information and to establish that the Company's auditors are aware of that information.

Future developments

The outlook for 2018 is discussed in the strategic report.

Auditors

Resolutions will be proposed at the group annual general meeting to re-appoint KPMG LLP as auditors and to set the auditors' remuneration.

Statement of Directors' responsibilities

The Directors are responsible for preparing their report and financial statements in accordance with applicable United Kingdom law and have elected to prepare such financial statements for the Company in accordance with IFRS as adopted by the European Union.

The Directors are required to prepare financial statements for each financial year which present fairly the financial position and the financial performance and cash flows of the Company for that year. In preparing those financial statements the Directors are required to:

- Select suitable accounting policies and apply them consistently;
- Make judgements and estimates that are reasonable and prudent;
- State whether they have been prepared in accordance with IFRS;
- State whether applicable accounting standards have been followed, subject to any material departures disclosed and explained in the financial statements; and
- Prepare the financial statements on the going concern basis unless it is inappropriate to presume that the Company will continue in business.

The Directors are responsible for keeping proper accounting records which disclose with reasonable accuracy at any time the financial position of the Company and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the Company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

Having considered the risks disclosed in note 2, the expected future profitability and cash flows of the Company, the amount of statutory and regulatory headroom and the liquidity of the Company's investment portfolio, the Directors have a reasonable expectation that the Company has adequate resources to continue in operational existence for the foreseeable future. Thus they continue to adopt the going concern basis of accounting in preparing the annual financial statements.

By order of the Board



M Connor

Company Secretary

8 February 2018

PRINCIPAL ACTIVITY AND REVIEW OF BUSINESS

The Company is authorised by the Prudential Regulation Authority and the Financial Conduct Authority to conduct general insurance business. The Company provides insurance and reinsurance products to its customers, with an emphasis on property, energy, marine and aviation lines of business. The Company received UK regulatory authorisation to underwrite business on 30 August 2006 and commenced underwriting activity on 2 October 2006. The Company is also registered as a Class 3 general insurer in Bermuda and has a permit issued under the Bermuda Companies Act to enable certain activities related to its insurance business to be performed from Bermuda. The Directors consider that the principal activity of the Company will continue unchanged into the foreseeable future.

BUSINESS REVIEW

Commentary on results

For the year ended 31 December 2017 the Company made a profit after tax of \$1.2 million compared to a loss after tax of \$9.5 million for the previous year. The difficult market conditions in 2016 have continued in 2017.

The Company writes a diversified book of business, mostly on a direct basis in property, energy, marine and aviation. Gross written premiums decreased by \$18.4 million from \$250.7 million for the year ended 31 December 2016 to \$232.3 million for the year ended 31 December 2017.

Net retained premium as a percentage of gross written premium for the year ended 31 December 2017 is 13.7 per cent, compared to 13.5 per cent for the year ended 31 December 2016, reflecting a reduction in the quota share reinsurance to a subsidiary company from the beginning of the 2016 underwriting year. Net earned premium remained broadly consistent at \$37.1 million for the year ended 31 December 2017 when compared to \$38.1 million for the year ended 31 December 2016.

During 2017, the Company's losses incurred included an estimated gross loss of \$16.4 million (net loss \$3.1 million) in relation to hurricanes Harvey, Irma and Maria. While reserves have been recorded, significant uncertainty exists on the eventual ultimate losses in relation to the hurricanes as loss information after this type of event can take some time to obtain. The reserve estimates are derived from a combination of market data and assumptions, a limited number of provisional loss advices, limited client loss data and modelled loss projections. As additional information emerges, the actual ultimate loss may vary, perhaps materially from the current reported reserves. The final settlement of all claims is likely to take place over a considerable period of time.

Other losses in the year included gross deterioration of \$21.8 million (net loss \$nil) on the prior year damage to the turret mooring system on a floating production, storage and offloading oil platform and a low number of other small risk losses. Despite these claims, the net loss ratio of 27.5 per cent compared to 28.6 per cent for the year ended 31 December 2016 reflecting the low level of other losses, reductions in prior year notified losses and also prior year reserve releases in incurred but not reported claims. Favourable development in relation to prior years amounted to \$10.6 million on a gross basis and \$6.9 million net of reinsurance, compared to \$25.6 million on a gross basis and \$4.5 million net of reinsurance in the year ended 31 December 2016.

The net acquisition cost ratio, excluding override commission received on the quota share reinsurance agreement with the Company's affiliate Lancashire Insurance Company Limited, is 55.8 per cent compared to 68.6 per cent in the previous year.

The gross general and administrative expense ratio for the year ended 31 December 2017 is 8.7 per cent (2016 - 10.4 per cent). The ratio has decreased mainly due to the \$7.4 million reduction in expenses during the year. On a net basis, the expense ratio which takes into account the override commission received under the LICL quota share agreement is 16.5 per cent (2016 - 30.7 per cent) with the decrease in the current year being mainly due to the \$7.4m reduction of expenses noted above.

Investment income for the year ended 31 December 2017 is \$2.5 million (2016 - \$3.1 million) and comprises interest income of \$2.5 million (2016 - \$2.7 million) and net realised gains on fixed interest securities of \$nil (2016 - \$0.4 million). The decrease in 2017 is mainly as a result of a lower average portfolio value during 2017.

The effective tax rate for the year ended 31 December 2017 is 71 per cent (2016 - negative 8.0 per cent). This is above the expected rate of 19.25 per cent (2016 - 20.0 per cent) mainly due to permanent expense differences.

Outlook

Following the extraordinary level of loss activity in 2017 and on the basis of the January 2018 renewals, there is likely to be positive rating movement during 2018 on some of our existing portfolio but also the opportunity to grow in areas where in recent years we have shrunk.

Risk disclosures

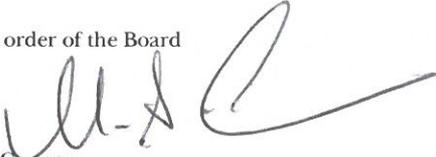
Details of the Company's risk management objectives and policies and exposure to risk are set out in note 2.

Dividends

A dividend of \$nil was paid during 2017 (2016 - \$nil). The Directors do not recommend the payment of a final dividend.

The Company's ability to pay dividends and make capital distributions is subject to the legal and regulatory restrictions of the United Kingdom.

By order of the Board



M Connor

Company Secretary

8 February 2018

INDEPENDENT AUDITOR'S REPORT TO THE MEMBER OF LANCASHIRE INSURANCE COMPANY (UK) LIMITED

1 Our opinion is unmodified

We have audited the financial statements of Lancashire Insurance Company (UK) Limited ("the Company") for the year ended 31 December 2017 which comprise the statement of financial position, as at 31 December 2017, the statement of comprehensive income, statement of changes in shareholder's equity and statement of cash flows for the year then ended, and the related notes, including the accounting policies.

In our opinion the financial statements:

- give a true and fair view of the state of Company's affairs as at 31 December 2017 and of its profit for the year then ended;
- have been properly prepared in accordance with International Financial Reporting Standards as adopted by the European Union; and
- have been prepared in accordance with the requirements of the Companies Act 2006.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) ("ISAs (UK)") and applicable law. Our responsibilities are described below. We believe that the audit evidence we have obtained is a sufficient and appropriate basis for our opinion. Our audit opinion is consistent with our report to the audit committee.

We were appointed as auditor by the directors on 3 May 2017. The period of total uninterrupted engagement is for the one financial year ended 31 December 2017. We have fulfilled our ethical responsibilities under, and we remain independent of the Company in accordance with, UK ethical requirements including the FRC Ethical Standard as applied to public interest entities. No non-audit services prohibited by that standard were provided.

2 Key audit matters: our assessment of risks of material misstatement

Key audit matters are those matters that, in our professional judgment, were of most significance in the audit of the financial statements and include the most significant assessed risks of material misstatement (whether or not due to fraud) identified by us, including those which had the greatest effect on: the overall audit strategy; the allocation of resources in the audit; and directing the efforts of the engagement team. We summarise below the key audit matters, in decreasing order of audit significance, in arriving at our audit opinion above, together with our key audit procedures to address those matters and, as required for public interest entities, our results from those procedures. These matters were addressed, and our results are based on procedures undertaken, in the context of, and solely for the purpose of, our audit of the financial statements as a whole, and in forming our opinion thereon, and consequently are incidental to that opinion, and we do not provide a separate opinion on these matters.

Valuation of gross and net insurance contract liabilities for losses and loss adjustment expenses (2017 gross \$267.5m, net \$35.9m; 2016 gross \$327.6m, net \$43.3m) <i>Refer to page 17 (accounting policy) and pages 41-43 (financial disclosures)</i>	
The risk	Our response
<p>The Company maintains reserves to cover the estimated ultimate cost of settling all losses and loss adjustment expenses arising from events which have occurred up to the balance sheet date, regardless of whether those losses have been reported to the Company.</p> <p>Subjective valuation</p> <p>The valuation of loss reserves is a complex process which requires the exercise of significant judgement. Key judgements relate to the assumptions applied in setting the estimates of both the gross and net liabilities that have been incurred but not reported and assessing the evidence for the release or strengthening of provisions for claims.</p> <p>We also consider there to be greater judgement associated with reserves held for classes of business where losses tend to relate to low frequency high severity events, which limits the availability of historic loss data for use in calculating expected ultimate losses. For these classes in particular, we consider there is a greater level of required judgement in estimating the initial expected loss ratios on the most recent underwriting years.</p>	<p>We have used our own actuarial specialists to assist us in performing our procedures in this area.</p> <p>Our procedures included;</p> <ul style="list-style-type: none"> - Methodology choice <p>Assessing and challenging the reserving methodology (on a gross basis and net of outwards reinsurance) based on our knowledge and understanding of the reserving policy of the Company. This has also involved comparing the Company's reserving methodology with industry practice and understanding the rationale for key differences.</p> <ul style="list-style-type: none"> - Historical comparisons <p>Challenging the quality of the Group's historical reserving estimates by monitoring the development of losses against initial estimates.</p> <ul style="list-style-type: none"> - Independent re-performance <p>Applying our own assumptions to perform re-projections on the insurance contract liabilities for loss and loss adjustment expenses on both a gross and net basis and comparing these to the Company's projected results. Where there were significant variances in the results, we have challenged the Company's assumptions. Our independent re-projections focussed on classes of business where losses tend to relate to low frequency high severity events.</p> <ul style="list-style-type: none"> - Benchmarking assumptions <p>Assessing and challenging the reserving assumptions by comparing the Company's loss experience to peers in the market, on a gross and net basis, including on a contract by contract basis for large loss and catastrophe events.</p> <p>Our Results</p> <p>We found the valuation of the gross and net insurance contract liabilities for losses and loss adjustment expenses to be acceptable</p>
Premiums which are estimated, included in gross premiums written (2017: \$232.3m; 2016 \$250.7m) <i>Refer to pages 16-17 (accounting policy) and pages 21-24 and 35-36 (financial disclosures)</i>	
The risk	Our response
<p>Subjective estimate</p> <p>Pricing for certain contracts is based on a best estimate of ultimate premiums as a result of premiums being based upon future events which are unknown at the balance sheet date. Judgement is involved in determining the ultimate estimates in order to establish the appropriate premium value and, ultimately, the cash to be received. As updated information is received over the life of the contract, adjustments are made to the premium recognised.</p>	<p>Our procedures included:</p> <ul style="list-style-type: none"> - Control operation <p>Testing the design, implementation and operating effectiveness of key controls over the periodic review of premium estimates booked;</p> <ul style="list-style-type: none"> - Historical comparisons <p>Performing procedures to understand the development of estimated premium income, comparing the Company's estimated premium income to actual premium income once received, and verifying actual premium income back to source documentation for a sample of policies</p> <p>Our Results</p> <p>We found the valuation of premium estimates to be acceptable</p>

3 Our application of materiality and an overview of the scope of our audit

Materiality for the financial statements as a whole was set at \$1.6m, determined with reference to a benchmark of gross written premiums, of which it represents 0.69%.

We agreed to report to the Audit Committee any corrected or uncorrected identified misstatements exceeding \$80,000, in addition to other identified misstatements that warranted reporting on qualitative grounds.

Our audit of the company was undertaken to the materiality level specified above and was performed at the Company's head office in London.

4 We have nothing to report on going concern

We are required to report to you if we have concluded that the use of the going concern basis of accounting is inappropriate or there is an undisclosed material uncertainty that may cast significant doubt over the use of that basis for a period of at least twelve months from the date of approval of the financial statements. We have nothing to report in these respects.

5 We have nothing to report on the strategic report and the directors' report

The directors are responsible for the strategic report and the directors' report. Our opinion on the financial statements does not cover those reports and we do not express an audit opinion thereon.

Our responsibility is to read the strategic report and the directors' report and, in doing so, consider whether, based on our financial statements audit work, the information therein is materially misstated or inconsistent with the financial statements or our audit knowledge. Based solely on that work:

- we have not identified material misstatements in those reports;
- in our opinion the information given in the strategic report and the directors' report for the financial year is consistent with the financial statements; and
- in our opinion those reports have been prepared in accordance with the Companies Act 2006.

6 We have nothing to report on the other matters on which we are required to report by exception

Under the Companies Act 2006, we are required to report to you if, in our opinion:

- adequate accounting records have not been kept by the Company, or returns adequate for our audit have not been received from branches not visited by us; or
- the financial statements are not in agreement with the accounting records and returns; or
- certain disclosures of directors' remuneration specified by law are not made; or
- we have not received all the information and explanations we require for our audit.

We have nothing to report in these respects.

7 Respective responsibilities

Directors' responsibilities

As explained more fully in their statement set out on page 4, the Directors are responsible for: the preparation of the financial statements including being satisfied that they give a true and fair view; such internal control as they determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error; assessing the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern; and using the going concern basis of accounting unless they either intend to liquidate the Company or to cease operations, or have no realistic alternative but to do so.

Auditor's responsibilities

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or other irregularities (see below), or error, and to issue our opinion in an auditor's report. Reasonable assurance is a high level of assurance, but does not guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud, other irregularities or error and are considered material if, individually or in aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

A fuller description of our responsibilities is provided on the FRC's website at www.frc.org.uk/auditorsresponsibilities.

Irregularities - ability to detect

Our audit aimed to detect non-compliance with relevant laws and regulations (irregularities) that could have a material effect on the financial statements. In planning and performing our audit, we considered the impact of laws and regulations in the specific areas of the Companies Act 2006 and the PRA prudential regulatory regime. We identified these areas through discussion with the directors and other management (as required by auditing standards), from our sector experience, and from inspection of the Company's regulatory and legal correspondence. In addition we had regard to laws and regulations in other areas including financial reporting, and company and taxation legislation.

We considered the extent of compliance with those laws and regulations that directly affect the financial statements, being the Companies Act 2006, as part of our procedures on the related financial statement items. For the remaining laws and regulations, we made enquiries of directors and other management (as required by auditing standards), and inspected correspondence with regulatory authorities, as well as legal correspondence.

We communicated identified laws and regulations throughout our team and remained alert to any indications of non-compliance throughout the audit.

As with any audit, there remained a higher risk of non-detection of irregularities, as these may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal controls.

8 The purpose of our audit work and to whom we owe our responsibilities

This report is made solely to the Company's members, as a body, in accordance with Chapter 3 of Part 16 of the Companies Act 2006. Our audit work has been undertaken so that we might state to the Company's members those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the Company and the Company's members, as a body, for our audit work, for this report, or for the opinions we have formed.



Timothy Butchart (Senior Statutory Auditor)
for and on behalf of KPMG LLP, Statutory Auditor

Chartered Accountants

15 Canada Square

Canary Wharf

London

E14 5GL

8 February 2018

Statement of comprehensive income

For the year ended 31 December 2017

	Notes	2017 \$m	2016 \$m
Gross premiums written	3	232.3	250.7
Outwards reinsurance premiums	3	(200.5)	(216.8)
Net premiums written		31.8	33.9
Change in unearned premiums	3	17.0	30.7
Change in unearned premiums on premiums ceded	3	(11.7)	(26.5)
Net premiums earned		37.1	38.1
Net investment income	4	2.5	2.7
Net realised gains (losses)	4	—	0.4
Net foreign exchange gains (losses)		1.6	(1.2)
Total net revenue		41.2	40.0
Insurance losses and loss adjustment expenses	3, 11	79.2	116.8
Insurance losses and loss adjustment expenses recoverable	3, 11	(69.0)	(105.9)
Net insurance losses		10.2	10.9
Insurance acquisition expenses	3, 5	64.8	76.6
Insurance acquisition expenses ceded	3, 5	(59.8)	(67.9)
Other operating expenses	6, 15	21.8	29.2
Total expenses		37.0	48.8
Profit (loss) before tax		4.2	(8.8)
Tax charge		(3.0)	(0.7)
Profit (loss) for the year attributable to equity shareholder		1.2	(9.5)
Other comprehensive income (loss) to be reclassified to profit or loss in subsequent periods			
Net change in unrealised gains/losses on investments	4, 9	—	—
Tax credit on net change in unrealised gains on investments		—	—
Other comprehensive income (loss)		—	—
Total comprehensive income (loss) for the year		1.2	(9.5)

Statement of financial position

As at 31 December 2017

	Notes	2017 \$m	2016 \$m
Assets			
Cash and cash equivalents	8	8.0	33.8
Accrued interest receivable	12	0.7	0.7
Investments	9	143.9	166.6
Reinsurance assets			
– Unearned premiums on premiums ceded		137.7	149.4
– Reinsurance recoveries	11,12	231.6	284.3
– Other receivables	12	38.4	19.7
Deferred acquisition costs		45.7	49.7
Other receivables	12	1.9	0.1
Deferred tax asset	13	—	0.2
Inwards premiums receivable from insureds and cedants	12	142.5	125.9
Total assets		750.4	830.4
Liabilities			
Insurance contracts			
– Losses and loss adjustment expenses	11	267.5	327.6
– Unearned premiums		186.1	203.1
– Other payables		26.9	26.2
Amounts payable to reinsurers		38.8	51.1
Deferred acquisition costs ceded		47.6	44.5
Other payables		2.9	1.2
Corporation tax payable		3.2	1.7
Deferred tax liability	13	1.2	—
Total liabilities		574.2	655.4
Shareholder's equity			
Share capital	14	188.4	188.4
Accumulated other comprehensive loss	9	(0.4)	(0.4)
Retained earnings		(11.8)	(13.0)
Total shareholder's equity attributable to equity shareholder		176.2	175.0
Total liabilities and shareholder's equity		750.4	830.4

The financial statements were approved by the Board of Directors on 8 February 2018 and signed on its behalf by:

P. Gregory

Director

Statement of changes in shareholder's equity

For the year ended 31 December 2017

	Notes	Share capital \$m	Accumulated other comprehensive loss \$m	Retained earnings \$m	Total shareholder's equity \$m
Balance as at 31 December 2015	9,14	188.4	(0.4)	(3.5)	184.5
Total comprehensive loss for the year		—	—	(9.5)	(9.5)
Balance as at 31 December 2016	9,14	188.4	(0.4)	(13.0)	175.0
Total comprehensive income for the year		—	—	1.2	1.2
Balance as at 31 December 2017	9,14	188.4	(0.4)	(11.8)	176.2

Statement of cash flows
For the year ended 31 December 2017

	Notes	2017 \$m	2016 \$m
Cash flows from operating activities			
Profit (loss) before tax		4.2	(8.8)
Accretion of fixed maturity securities		0.3	0.5
Foreign exchange (gains) losses		(2.7)	1.2
Tax paid		—	(0.2)
Interest income		(3.1)	(3.6)
Net realised losses and impairments	4	—	(0.4)
Changes in operational assets and liabilities			
– Insurance and reinsurance contracts		(48.6)	(25.1)
– Other assets and liabilities		(1.4)	7.3
Net cash flows from operating activities		(51.3)	(29.1)
Cash flows from investing activities			
Interest received		3.1	3.8
Purchase of fixed maturity securities		(76.9)	(102.8)
Proceeds on maturity and disposal of fixed maturity securities		99.3	142.3
Net cash flows from investing activities		25.5	43.3
Cash flows used in financing activities			
Dividends paid	14	—	—
Net cash flows used in financing activities		—	—
Net (decrease) increase in cash and cash equivalents		(25.8)	14.2
Cash and cash equivalents at beginning of year		33.8	19.1
Effect of exchange rate fluctuations on cash and cash equivalents		—	0.5
Cash and cash equivalents at end of year	8	8.0	33.8

SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The basis of preparation, consolidation principles and significant accounting policies adopted in the preparation of LUK financial statements are set out below.

BASIS OF PREPARATION

The Company's financial statements are prepared in accordance with accounting principles generally accepted under IFRS as adopted by the European Union.

Where IFRS is silent, as it is in respect of the measurement of insurance products, the IFRS framework allows reference to another comprehensive body of accounting principles. In such instances, the Company determines appropriate measurement bases, to provide the most useful information to users of the financial statements, using their judgement and considering U.S. GAAP.

All amounts, excluding share data or where otherwise stated, are in millions of U.S. dollars.

While a number of new or amended IFRS and IFRIC standards have been issued in 2017 there are no standards issued that have had a material impact on the Company.

IFRS 15, Revenue from Contracts with Customers, is effective for annual periods beginning on or after 1 January 2018. IFRS 15 will not have a material impact on the results and disclosures reported in the financial statements.

IFRS 17, Insurance Contracts, issued in May 2017, specifies the financial reporting for insurance contracts by an insurer. The new standard is effective for annual periods beginning on or after 1 January 2021 and will include a number of significant changes regarding the measurement and disclosure of insurance contracts both in terms of liability measurement and profit recognition. The Company will continue to assess the impact the new standard will have on its results and the presentation and disclosure thereof.

IFRS 9, Financial Instruments: Classification and Measurement, has been issued but is not yet effective, and therefore has not yet been adopted by the Company. The Company continues to apply IAS 39, Financial Instruments: Recognition and Measurement and classifies its fixed maturity securities as available for sale. The new standard is effective for annual periods beginning on or after 1 January 2018, although it has been deferred for insurers until 1 January 2021 to align with the implementation date of IFRS 17. The Company has therefore deferred implementing it. IFRS 9 is not expected to have a material impact on the results and disclosures reported in the financial statements.

The statement of financial position of the Company is presented in order of decreasing liquidity.

USE OF ESTIMATES

The preparation of financial statements in conformity with IFRS requires the Company to make estimates and assumptions that affect the reported and disclosed amounts at the statement of financial position date and the reported and disclosed amounts of revenues and expenses during the reporting period. Actual results may differ materially from the estimates made.

The most significant estimate made by management is in relation to losses and loss adjustment expenses. This is discussed in note 2 on risk disclosures on page 19. Estimates are also made in determining the estimated fair value of certain financial instruments. The estimation of the fair value of financial instruments is discussed on page 38 in note 9. Management judgement is applied in determining impairment charges.

FOREIGN CURRENCY TRANSLATION

The functional currency, which is the currency of the primary economic environment in which operations are conducted, for the Company is U.S. dollars. Items included in the financial statements are measured using the functional currency. The financial statements are also presented in U.S. dollars.

Foreign currency transactions are recorded in the functional currency using the exchange rates prevailing at the dates of the transactions, or at the average rate for the period when this is a reasonable approximation. Monetary assets and liabilities denominated in foreign currencies are translated at period end exchange rates. The resulting exchange differences on translation are recorded in the statement of comprehensive income. Non-monetary assets and liabilities carried at historical cost denominated in a foreign currency are translated at historic rates. Non-monetary assets and liabilities carried at fair value denominated in a foreign currency are translated at the exchange rate at the date the fair value was determined, with resulting exchange differences recorded in accumulated other comprehensive income in shareholder's equity.

INSURANCE CONTRACTS

CLASSIFICATION

Insurance contracts are those contracts that transfer significant insurance risk at the inception of the contract. Contracts that do not transfer significant insurance risk are accounted for as investment contracts. Insurance risk is transferred when an insurer agrees to compensate a policyholder if a specified uncertain future event adversely affects the policyholder.

PREMIUMS AND ACQUISITION COSTS

Premiums are first recognised as written at the date that the contract is bound. The Company writes both excess of loss and pro-rata (proportional) contracts. For the majority of excess of loss contracts, written premium is recorded based on the minimum and deposit or flat premium, as defined in the contract. Subsequent adjustments to the minimum and deposit premium are recognised in the period in which they are determined. For pro-rata contracts and excess of loss contracts where no deposit is specified in the contract, written premium is recognised based on estimates of ultimate premiums provided by the insureds or ceding companies. Initial estimates of written premium are recognised in the period in which the contract is bound. Subsequent

adjustments, based on reports of actual premium by the insureds or ceding companies, or revisions in estimates, are recorded in the period in which they are determined.

Premiums written are earned rateably over the term of the underlying risk period of the insurance contract, except where the period of risk differs significantly from the contract period. In these circumstances, premiums are recognised over the period of risk in proportion to the amount of insurance protection provided. The portion of the premium related to the unexpired portion of the risk period is reflected in unearned premiums.

Where contract terms require the reinstatement of coverage after an insured's or ceding company's loss, the estimated mandatory reinstatement premiums are recorded as written premiums when a specific loss event occurs. Reinstatement premiums are not recorded for losses included within the provision for IBNR which do not relate to a specific loss event.

Inwards premiums receivable from insureds and cedants are recorded net of commissions, brokerage, premium taxes and other levies on premiums, unless the contract specifies otherwise. These balances are reviewed for impairment, with any impairment loss recognised as an expense in the period in which it is determined.

Acquisition costs represent commissions, brokerage, profit commissions and other variable costs that relate directly to the securing of new contracts and the renewing of existing contracts. They are generally deferred over the period in which the related premiums are earned to the extent they are recoverable out of expected future revenue margins. All other acquisition costs are recognised as an expense when incurred.

OUTWARDS REINSURANCE

Outwards reinsurance premiums comprise the cost of reinsurance contracts entered into. Outwards reinsurance premiums are accounted for in the period in which the contract is bound. The provision for reinsurers' share of unearned premiums represents that part of reinsurance premiums ceded which are estimated to be earned in future financial periods. Unearned reinsurance commissions are recognised as a liability using the same principles. Any amounts recoverable from reinsurers are estimated using the same methodology as the underlying losses.

Override commission is recognised in the period that the related premium is ceded and earned on the same basis as the ceded premium.

The Company monitors the credit-worthiness of its reinsurers on an on-going basis and assesses any reinsurance assets for impairment, with any impairment loss recognised as an expense in the period in which it is determined.

LOSSES

Losses comprise losses and loss adjustment expenses paid in the period and changes in the provision for outstanding losses, including the provision for IBNR and related expenses. Losses and loss adjustment expenses are charged to income as they are incurred.

A portion of the Company's business is in classes with high attachment points of coverage. Reserving for losses in such programmes is inherently complicated in that losses in excess of the attachment level of the Company's policies are characterised by high severity and low frequency and other factors which could vary significantly as losses are settled. This limits the volume of industry loss experience available from which to reliably predict ultimate losses following a loss event.

Losses and loss adjustment expenses represent the estimated ultimate cost of settling all losses and loss adjustment expenses arising from events which have occurred up to the balance sheet date, including a provision for IBNR. The Company does not discount its liabilities for unpaid losses. Outstanding losses are initially established on the basis of reports of losses received from third parties. Additional Case Reserves are determined where the Company's best estimate of the reported loss is greater than that reported. Estimated IBNR reserves may also consist of a provision for additional development in excess of losses reported by insureds or ceding companies, as well as a provision for losses which have occurred but which have not yet been reported by insureds or ceding companies. IBNR reserves are set on a best estimate basis and are estimated by management using various actuarial methods as well as a combination of own loss experience, historical insurance industry loss experience, underwriters' experience, estimates of pricing adequacy trends, and management's professional judgement.

The estimation of the ultimate liability arising is a complex process which incorporates a significant amount of judgement. It is reasonably possible that uncertainties inherent in the reserving process, delays in insureds or ceding companies reporting losses to the Company, together with the potential for unforeseen adverse developments, could lead to a material change in losses and loss adjustment expenses.

LIABILITY ADEQUACY TESTS

At each reporting date, the Company performs a liability adequacy test using current best estimates of future cash outflows generated by its insurance contracts, plus any investment income thereon. If, as a result of these tests, the carrying amount of the Company's insurance liabilities is found to be inadequate, the deficiency is charged to income for the period, initially by writing off deferred acquisition costs and subsequently by establishing a provision.

FINANCIAL INSTRUMENTS

CASH AND CASH EQUIVALENTS

Cash and cash equivalents are carried in the statement of financial position at amortised cost and includes cash in hand, deposits held on call with banks and other short-term highly liquid investments with a maturity of three months or less at the date of purchase. Carrying amounts approximate fair value due to the short-term nature and high liquidity of the instruments.

Interest income earned on cash and cash equivalents is recognised on the effective interest rate method. The carrying value of accrued interest income approximates fair value due to its short-term nature and high liquidity.

INVESTMENTS

The Company's fixed maturity securities are quoted investments that are classified as AFS and are carried at estimated fair value. The classification is determined at the time of initial purchase and depends on the nature of the investment. Fixed maturity securities classified as AFS are those that are intended to be held for an indefinite period of time and that may be sold in response to needs for liquidity or in response to changes in market conditions.

Regular way purchases and sales of investments are recognised at estimated fair value including transaction costs on the trade date and are subsequently carried at estimated fair value. Estimated fair value of quoted investments is determined based on bid prices from recognised exchanges, broker-dealers, recognised indices or pricing vendors. Realised gains and losses are included in income in the period in which they arise. Unrealised gains and losses from changes in estimated fair value of available for sale investments are included in accumulated other comprehensive income in shareholder's equity.

Investments are derecognised when the Company has transferred substantially all of the risks and rewards of ownership. On derecognition of an investment, previously recorded unrealised gains and losses are removed from accumulated other comprehensive income in shareholder's equity and included in current period income.

Accretion and amortisation of premiums and discounts on available for sale fixed maturity securities are calculated using the effective interest rate method and are recognised in current period net investment income. Interest income is recognised on the effective interest rate method. The carrying value of accrued interest income approximates fair value due to its short-term nature and high liquidity.

The Company reviews the carrying value of its AFS investments for evidence of impairment. An investment is impaired if its carrying value exceeds the estimated fair value and there is objective evidence of impairment to the asset. Such evidence would include a prolonged decline in estimated fair value below cost or amortised cost, where other factors, such as expected cash flows, do not support a recovery in value. If an impairment is deemed appropriate, the difference between cost or amortised cost and estimated fair value is removed from accumulated other comprehensive income in shareholder's equity and charged to current period income. Impairment losses on fixed maturity securities may be subsequently reversed through income.

TAX

Income tax represents the sum of the tax currently payable and any deferred tax. The tax payable is calculated based on taxable profit for the period using tax rates and tax laws enacted or substantively enacted at the year end reporting date and any adjustments to tax payable in respect of prior periods. Taxable profit for the period can differ from that reported in the statement of comprehensive income due to certain items which are not tax deductible or which are deferred to subsequent periods.

Deferred tax is recognised on temporary differences between the assets and liabilities in the statement of financial position and their tax base. Deferred tax assets or liabilities are accounted for using the statement of financial position liability method. Deferred tax assets are recognised to the extent that realising the related tax benefit through future taxable profits is likely and are reassessed each year for recognition.

Deferred tax assets and liabilities are offset when there is a legally enforceable right to offset current tax assets against current tax liabilities and when the deferred income taxes relate to the same fiscal authority.

1. GENERAL INFORMATION

The Company is a provider of global property insurance and reinsurance products. The Company was incorporated in the UK on 17 March 2006 and is authorised by the PRA to conduct general insurance business. The Company is also authorised by the Bermuda Monetary Authority as a Class 3 general insurer and has a permit issued under the Bermuda Companies Act to enable certain activities related to its insurance business to be performed from Bermuda. The Company is a limited liability company with an intermediate holding company, Lancashire Insurance Holdings (UK) Limited. LIHL is 100 per cent owned by the ultimate parent company, Lancashire Holdings Limited. The common shares of LHL trade on the London Stock Exchange.

2. RISK DISCLOSURES

INTRODUCTION

The Company is exposed to risks from several sources. These include insurance risk, market risk, liquidity risk, credit risk, operational risk and strategic risk. The primary risk to the Company is insurance risk.

The primary objectives of the Company's Enterprise Risk Management is to ensure that capital resources held are matched to the risk profile of the Company and that the balance between risk and return is considered as part of all key business decisions. The Company has formulated, and keeps under review, a risk appetite which is set by the Board of Directors. The Company's appetite for risk will vary marginally from time to time to reflect the potential risks and returns that present themselves. However, protecting the Company's capital and providing LHL, the parent, with a superior risk adjusted return over the long term are constants. The risk appetites are expressed through detailed risk tolerances at both a Company and Group level. Risk tolerances represent the maximum amount of capital, generally on a modelled basis, that the Company and the Group are prepared to expose to certain risks.

The Company's Board of Directors is responsible for setting and monitoring risk appetite and tolerances. All risk tolerances are subject to at least annual review and consideration by the Board of Directors. The Board of Directors reviews actual risk levels versus tolerances, emerging risks and any risk learning events quarterly. In addition, at least on a monthly basis, management reviews the output from its economic capital model, BLAST, in order to monitor modelled potential losses against risk tolerances and ensures that risk levels are managed in accordance with them.

GROUP RISK AND RETURN COMMITTEE

The RRC seeks to optimise the capital allocation process and facilitate the appropriate use of the internal model, including considering its effectiveness. It ensures that all key areas of risk are discussed according to a schedule that covers fortnightly, monthly, quarterly, semi-annual and annual reviews. The committee meets fortnightly and is responsible for coordinating and overseeing ERM activities within the risk profile, appetites and tolerances set by the Board of Directors. The RRC includes the Group CEO and members from the finance, actuarial, modeling, operations, treasury and underwriting functions. The Chief Risk Officer attends the meetings and reports on the RRC's activities to the Board of Directors.

CHIEF RISK OFFICER

The primary role of the CRO is to facilitate the effective operation of ERM throughout the Company at all levels. The role includes but is not limited to the following responsibilities:

- overall management of the risk management system;
- drive ERM culture, ownership and execution on three levels: Board, executive management, and operationally within the business;
- facilitate the identification, assessment, evaluation and management of existing and emerging risks by management and the Board;
- ensure that these risks are given due consideration and are embedded within management's and the Board's oversight and decision making process;
- be consulted, and opine, on policy in areas such as, but not limited to, underwriting, claims, investments, operations and capital management; and
- provide timely, accurate, reliable, factual, objective and accessible information and analysis to guide, coach and support decision making.

Responsibility for the management of individual risks has been assigned to, and forms part of the performance objectives of the risk owners within the business. Risk owners ensure that these risks and controls are consistent with their day to day processes and the entries made in the Company risk registers, which are a direct input to BLAST. The CRO provides regular reports to the business, outlining the status of the Company's ERM activities and strategy, as well as formal reports to the Board of Directors in this regard. The CRO ultimately has the right to report directly to the Company's regulators if they feel that management is not appropriately addressing areas of concern.

INTERNAL AUDIT

Internal audit plays a key role in the Company's ERM by providing an independent opinion regarding the accuracy and completeness of risks, in addition to verification of the effectiveness of controls and the consistency of their operation. Internal audit's roles and responsibilities are clearly defined through the Internal Audit Charter. The Head of Internal Audit reports directly to the Audit Committee. The CRO has input to the scope of each audit and receives a copy of each Internal Audit report. The CRO considers the findings and agreed actions in the context of the risk appetites and tolerances, plus the risk policies and risk management strategy of each area.

The integration of internal audit and ERM into the business helps facilitate the Company's management in the protection of its assets and reputation.

ECONOMIC CAPITAL MODEL

The foundation of the Company's risk-based capital approach to decision making is their economic capital model, BLAST, which is based on the widely accepted economic capital modelling tool, ReMetrica. Management uses BLAST primarily for monitoring its insurance risks. However, BLAST is also used to monitor other risks including market, credit and operational risks.

BLAST produces data in the form of a stochastic distribution for all classes, including non-elemental classes. The distribution includes the mean outcome and the result at various return periods, including very remote events. BLAST calculates projected financial outcomes for each insurance class, as well as the overall portfolio including diversification credit. Diversification credit arises as individual risks are generally not strongly correlated and are unlikely to all produce profits or losses at the same time. BLAST also measures the Company's aggregate insurance exposures. It therefore helps senior management and the Board of Directors to determine the level of capital required to meet the combined risk from a wide range of categories. Assisted by BLAST, the Company seeks to achieve an improved risk-adjusted return over time.

BLAST is used in strategic underwriting decisions, as part of the Company's annual planning process and to assist in portfolio optimisation, taking account of inwards business and all major reinsurance purchases. Management utilises BLAST in assessing the impact of strategic decisions on individual classes of business that the Company writes, or is considering writing, as well as the overall resulting financial impact to the Company. BLAST output, covering all of the risk to which the Company is exposed, is reviewed, including the anticipated loss curves, combined ratios and risk-adjusted profitability, to determine profitability and risk tolerance headroom by class.

The six primary risk categories, insurance risk, market risk, liquidity risk, credit risk, operational risk and strategic risk, are discussed in detail below.

A. INSURANCE RISK

The Company underwrites worldwide, predominantly short-tail, insurance and reinsurance contracts that transfer insurance risk, including risks exposed to both natural and man-made catastrophes. The Company's exposure in connection with insurance contracts is, in the event of insured losses, whether premiums will be sufficient to cover the loss payments and expenses. Insurance and reinsurance markets are cyclical and premium rates and terms and conditions vary by line of business depending on market conditions and the stage of the cycle. Market conditions are impacted by capacity and recent loss events, and broader economic cycle impacts amongst other factors. The Company's underwriters assess likely losses using their experience and knowledge of past loss experience, industry trends and current circumstances. This allows them to estimate the premiums sufficient to meet likely losses and expenses and desired levels of profitability consistent with the Company's risk-adjusted RoE targets.

The Company considers insurance risk at an individual contract level, at a sector level, a geographic level and at an aggregate portfolio level. This ensures careful risk selection, limits on concentration and appropriate portfolio diversification are accomplished. The four principal classes of business for the Company are Property, Energy, Marine and Aviation. The level of insurance risk tolerance per peril is set by the respective Boards of Directors.

A number of controls are deployed to manage the amount of insurance exposure assumed:

- the Company has a rolling three-year strategic plan that helps establish the overriding business goals that the LUK and LHL Boards of Directors aim to achieve;
- a detailed business plan is produced annually, which includes expected premiums and combined ratios by class and considers risk-adjusted profitability, capital usage and requirements. The plan is approved by the Board of Directors and is monitored, reviewed and updated on an ongoing basis;
- BLAST and SHARP are used to measure occurrence risks, aggregate risks and correlations between classes;
- each authorised class has a predetermined normal maximum line structure;
- each underwriter has a clearly defined limit of underwriting authority;
- the Company has predetermined tolerances on probabilistic and deterministic losses of capital for certain single events;
- risk levels versus tolerances are communicated broadly on a regular basis;
- a daily underwriting call is held to peer review insurance proposals, opportunities and emerging risks;
- sophisticated pricing models are utilised in certain areas of the underwriting process, and are updated frequently;
- BLAST and other computer modelling tools are deployed to simulate catastrophes and resultant losses to the portfolio and the Company; and
- reinsurance may be purchased to mitigate both frequency and severity of losses on a treaty or facultative basis and to improve risk-adjusted RoE as modelled in BLAST.

Some of the Company's business provides coverage for natural catastrophes (e.g. hurricanes, earthquakes and floods) and is subject to potential seasonal variation. A proportion of the Company's business is exposed to large catastrophe losses in North America, Europe and Japan as a result of windstorms. The level of windstorm activity, and landfall thereof, during the North American, European and Japanese wind seasons may materially impact the Company's loss experience. The North American and Japanese wind seasons are typically June to November and the European wind season November to March. The Company also

bears exposure to large losses arising from other non-seasonal natural catastrophes, such as earthquakes, tsunamis, droughts, floods and tornadoes, from risk losses throughout the year and from war, terrorism and political risk and other events.

The Company's exposures to certain peak zone elemental losses, as a percentage of capital are shown below. Net loss estimates are before income tax and net of reinstatement premiums and outwards reinsurance.

As at 31 December 2017		100 year return period estimated net loss		250 year return period estimated net loss	
		\$m	% of capital	\$m	% of capital
Zones	Perils				
Gulf of Mexico ⁽¹⁾	Hurricane	13.3	7.5	21.4	12.1
Non-Gulf of Mexico – U.S.	Hurricane	2.3	1.3	3.0	1.7
California	Earthquake	2.2	1.2	2.7	1.5
Japan	Earthquake	1.0	0.6	1.1	0.6
Pacific North West	Earthquake	1.3	0.7	2.0	1.1
Japan	Typhoon	0.1	0.1	0.1	0.1
Pan-European	Windstorm	0.5	0.3	0.9	0.5

(1) Landing hurricane from Florida to Texas.

As at 31 December 2016		100 year return period estimated net loss		250 year return period estimated net loss	
		\$m	% of capital	\$m	% of capital
Zones	Perils				
Gulf of Mexico ⁽¹⁾	Hurricane	11.1	6.3	18.8	10.7
Non-Gulf of Mexico – U.S.	Hurricane	0.3	0.2	0.6	0.3
California	Earthquake	0.1	0.1	0.3	0.2
Japan	Earthquake	–	–	0.2	0.1
Pacific North West	Earthquake	–	–	0.2	0.1
Japan	Typhoon	0.2	0.1	0.2	0.1
Pan-European	Windstorm	1.0	0.6	1.4	0.8

(1) Landing hurricane from Florida to Texas.

There can be no guarantee that the modeled assumptions and techniques deployed in calculating these figures are accurate. There could also be an unmodeled loss which exceeds these figures. In addition, any modeled loss scenario could cause a larger loss to capital than the modeled expectation.

Details of annual gross premiums written by business segment are provided below:

	2017		2016	
	\$m	%	\$m	%
Property	59.2	25.5	64.3	25.6
Energy	99.9	43.0	123.8	49.4
Marine	57.0	24.5	28.6	11.4
Aviation	16.2	7.0	34.0	13.6
Total	232.3	100.0	250.7	100.0

Details of annual gross premiums written by geographic area of risks insured are provided below:

	2017		2016	
	\$m	%	\$m	%
Worldwide offshore	151.3	65.2	151.3	60.5
U.S. and Canada	11.6	5.0	7.0	2.8
Worldwide, including the U.S. and Canada ¹	30.3	13.0	44.1	17.6
Worldwide, excluding the U.S. and Canada ²	2.9	1.2	1.6	0.6
Europe	11.4	4.9	9.4	3.7
Far East	0.9	0.4	4.1	1.6
Middle East	1.7	0.7	7.8	3.1
Rest of world	22.2	9.6	25.4	10.1
Total	232.3	100.0	250.7	100.0

(1) Worldwide, including the U.S. and Canada, comprises insurance and reinsurance contracts that insure or reinsure risks in more than one geographic area.

(2) Worldwide, excluding the U.S. and Canada, comprises insurance and reinsurance contracts that insure or reinsure risks in more than one geographic area, but that specifically exclude the U.S. and Canada.

Further details of the gross premiums written and the risks associated with each of these four principal business segments are described on the following pages.

I. PROPERTY

Gross premiums written, for the year:

	2017 \$m	2016 \$m
Property direct and facultative	1.0	0.3
Terrorism	28.7	31.9
Property political risk	22.8	27.4
Property catastrophe excess of loss	5.6	2.8
Property retrocession	0.6	0.7
Other property	0.5	1.2
Total	59.2	64.3

Terrorism business can be written either ground up or for primary or high excess layers, with cover provided for U.S. and worldwide property risks, but typically excluding nuclear, chemical and biological coverage in most territories. Cover is generally provided to medium to large commercial and industrial enterprises. Policies are typically written for scheduled locations and exposure is controlled by setting limits on aggregate exposure within a “blast zone” radius. Some national pools are also written, which may include nuclear, chemical and biological coverage and may have an element of life coverage.

Property political risk cover is written either ground up or on an excess of loss basis. Coverage that the Company provides in the Political Risk book is split between Confiscation perils coverage and Sovereign/Quasi-Sovereign obligor coverage. Confiscation perils coverage protects against CEND (Confiscation, Expropriation, Nationalisation, Deprivation) and may be extended to include other perils. Sovereign/Quasi Sovereign obligors coverage protects against the non-payment or non-honouring of an obligation by a Sovereign or Quasi Sovereign entity. Cover is provided to medium to large commercial and industrial clients as well as bank and commodity trading clients. The Company does not cover against private obligor credit risk.

A small number of property direct and facultative risks are also written with modest lines to support client relationships in other classes of business.

The Company is exposed to large natural catastrophe losses, such as windstorm and earthquake loss, from its remaining property direct and facultative portfolio. Exposure to such events is controlled and measured by setting limits on aggregate exposures in certain classes per geographic zone and through loss modelling. The accuracy of the latter exposure analysis is limited by the quality of data and the effectiveness of the modelling. It is possible that a catastrophic event significantly exceeds the expected modelled event loss. The Company’s appetite and exposure guidelines to large losses are set out on pages 20 and 21.

Property retrocession is written on an excess of loss basis through treaty arrangements and covers elemental risks.

Reinsurance may be purchased to mitigate exposures to large natural catastrophe losses in the U.S., Canada and worldwide with certain exclusions. Reinsurance may also be purchased to reduce the Company’s worldwide exposure to large risk losses. Reinsurance is typically purchased on an excess of loss basis; however, ILWs or quota share arrangements may be entered into.

II. ENERGY

Gross premiums written, for the year:

	2017 \$m	2016 \$m
Worldwide offshore energy	69.2	90.7
Gulf of Mexico offshore energy	24.4	20.1
Construction energy	(0.3)	4.8
Onshore energy	3.6	4.7
Energy liabilities	3.0	3.5
Total	99.9	123.8

Energy risks are written mostly on a direct basis and may be ground up or for primary or excess layers on either a first loss or full value basis.

Worldwide offshore energy policies are typically package policies which may include physical damage, business interruption and third party liability sections. Coverage can include fire and explosion and elemental risks. Individual assets covered can be high value and are therefore mostly written on a subscription basis meaning that coverage is placed with multiple underwriters.

Gulf of Mexico offshore energy programmes cover elemental and non-elemental risks. Most policies have sub-limits on coverage for elemental losses. These programmes are exposed to Gulf of Mexico windstorms. Exposure to such events is controlled and measured through loss modelling. The accuracy of this exposure analysis is limited by the quality of data and the effectiveness of the modelling. It is possible that a catastrophic event significantly exceeds the expected modelled event loss. The Company's appetite and exposure guidelines to large losses are set out on pages 20 and 21.

Construction energy contracts generally cover all risks of platform and drilling units under construction at yards and offshore, during towing and installation. Onshore construction contracts are generally not written.

Onshore energy risks can include onshore Gulf of Mexico and worldwide energy installations and are largely subject to the same loss events as described above. Coverage is given on the same basis as the property direct and facultative market, and as with that portfolio is now largely in run-off.

The Company also writes energy liability business on a stand-alone basis. Unlike the liability contained within the energy packages that the Company writes, stand-alone energy liability is written on an excess of loss basis only. Coverage is worldwide and provides coverage for all kinds of damages and loss to third parties. Coverage is generally restricted to offshore assets.

Reinsurance protection may be purchased to protect a portion of loss from elemental and non-elemental energy claims, and from the accumulation of smaller, attritional losses. Reinsurance is typically purchased on an excess of loss basis but, from time to time, quota share arrangements may be entered into. Reinsurance may be purchased on a facultative or treaty basis.

III. MARINE

Gross premiums written, for the year:

	2017 \$m	2016 \$m
Marine hull and total loss	20.0	13.2
Marine builders' risk	13.9	8.7
Marine hull war	6.4	3.5
Marine P&I clubs	0.2	0.4
Marine XOL	13.4	—
Other marine	3.1	2.8
Total	57.0	28.6

Marine business is predominantly written on a quota share basis. Marine hull and total loss is generally written on a direct basis and covers marine risks on a worldwide basis, primarily for physical damage. Marine builders risk covers the building of ocean going vessels in specialised yards worldwide. Marine hull war is mostly direct insurance of loss of vessels from war, piracy or terrorist attack, with a very limited amount of facultative reinsurance. Marine cargo programmes are not normally written.

The largest expected exposure in the marine class is from physical loss rather than from elemental loss events, although there is exposure to elemental perils and to the costs from removal of wreck.

Reinsurance may be purchased to reduce the Company's exposure to both large risk losses and an accumulation of smaller, attritional losses.

IV. AVIATION

Gross premiums written, for the year:

	2017 \$m	2016 \$m
AV52	16.8	24.0
Other aviation	(0.6)	10.0
Total	16.2	34.0

AV52 is written on a risk-attaching excess of loss basis and provides coverage for third party liability, excluding own passenger liability, resulting from acts of war or hijack of aircraft. Cover excludes countries whose governments provide a backstop coverage, but does, since 2014, include some US commercial airlines.

Other aviation business includes aviation hull war risks and contingent hull, which the Company writes from time to time, as well as satellite cover. Aviation satellite cover is written on a full value, primary or excess of loss basis and can provide cover for satellite launch, satellite in-orbit or both satellite launch and in-orbit. Coverage for in-orbit can be provided on an annual or multi-year basis and both launch and in-orbit can cover loss of earnings as well as physical damage. The Company stopped writing new satellite business in 2016.

The Company does not presently write general aviation hull and liability business.

Reinsurance may be purchased to mitigate exposures to an AV52 event loss. Reinsurance is typically purchased on a treaty excess of loss basis.

REINSURANCE

The Company, in the normal course of business and in accordance with its risk management practices, seeks to reduce certain types of loss that may arise from events that could cause unfavourable underwriting results, and to improve the modelled risk adjusted RoE by entering into reinsurance arrangements. Reinsurance does not relieve the Company of its obligations to policyholders. Under the Company's reinsurance security policy, reinsurers are assessed and approved as appropriate security based on their financial strength ratings, amongst other factors. The Reinsurance Security Committee considers reinsurers that are not rated or do not fall within the pre-defined rating categories on a case by case basis, and would usually require collateral to be posted to support such obligations. There are specific guidelines for these collateralised contracts. This committee monitors its reinsurers on an ongoing basis and meets formally at least quarterly.

The Company's principal reinsurance arrangement is with LICL, through an 80.0 per cent (2016 - 80.0 per cent) whole account quota share agreement, after taking account of certain other third party inuring reinsurances. At 31 December 2017 LICL was rated A (excellent) by A. M. Best.

In addition to the quota share agreement referred to above, reinsurance protection is typically purchased on an excess of loss basis and occasionally includes industry loss warranty covers. The mix of reinsurance cover is dependent on the specific loss mitigation requirements, market conditions and available capacity. The structure varies between types of peril and subclass. The Company regularly reviews its catastrophe exposures and may purchase reinsurance in order to reduce the Company's net exposure to a large natural catastrophe loss and/or to reduce net exposures to other large losses. The Group can purchase both facultative and treaty reinsurance. There is no guarantee that reinsurance coverage will be available to meet all potential loss circumstances, as it is possible that the cover purchased is not sufficient. Any loss amount which exceeds the programme would be retained by the Company. Some parts of the reinsurance programme have limited reinstatements therefore the number of claims which may be recovered from second or subsequent losses in those particular circumstances is limited.

INSURANCE LIABILITIES

For most insurance and reinsurance companies, the most significant judgement made by management is the estimation of loss and loss adjustment expense reserves. The estimation of the ultimate liability arising from claims made under insurance and reinsurance contracts is a critical estimate for the Company particularly given the nature of the business written.

Under generally accepted accounting principles, loss reserves are not permitted until the occurrence of an event which may give rise to a claim. As a result, only loss reserves applicable to losses incurred up to the reporting date are established, with no allowance for the provision of a contingency reserve to account for expected future losses or for the emergence of new types of latent claims. Claims arising from future events can be expected to require the establishment of substantial reserves from time to time. All reserves are reported on an undiscounted basis.

Loss and loss adjustment expense reserves are maintained to cover the Company's estimated liability for both reported and unreported claims. Reserving methodologies that calculate a point estimate for the ultimate losses are utilised, and then a range is developed around the point estimate. The point estimate represents management's best estimate of ultimate loss and loss adjustment expenses. The Company's internal actuaries review the reserving assumptions and methodologies on a quarterly basis with loss estimates being generally subject to a semi-annual quarterly corroborative review by independent actuaries, using U.S. generally accepted actuarial principles. The independent review is presented to the Company's Audit Committee. The Company has also established a Reserve Committee which has responsibility for the review of large claims and IBNR levels, their development and also any changes in reserving philosophy and assumptions.

The extent of reliance on management judgement in the reserving process differs as to whether the business is insurance or reinsurance, whether it is short-tail or long-tail and whether the business is written on an excess of loss or on a pro-rata basis. Over a typical annual period, the Company expects to write the large majority of programmes on a direct excess of loss basis. The Company does not currently write a significant amount of long-tail business.

INSURANCE VERSUS REINSURANCE

Loss reserve calculations for direct insurance business are not precise in that they deal with the inherent uncertainty of future contingent events. Estimating loss reserves requires management to make assumptions regarding future reporting and development patterns, frequency and severity trends, claims settlement practices, potential changes in the legal environment and other factors, such as inflation. These estimates and judgements are based on numerous factors, and may be revised as additional experience or other data becomes available or reviewed, as new or improved methodologies are developed or as current laws change.

Furthermore, as a broker market reinsurer, management must rely on loss information reported to brokers by other insurers who must estimate their own losses at the policy level, often based on incomplete and changing information. The information management receives varies by cedant and may include paid losses, estimated case reserves, and an estimated provision for IBNR reserves. Additionally, reserving practices and the quality of data reporting may vary among ceding companies which adds further uncertainty to the estimation of the ultimate losses.

SHORT-TAIL VERSUS LONG-TAIL

In general, claims relating to short-tail risks, such as the majority of risks underwritten by the Company, are reported more promptly than those relating to long-tail risks, including the majority of casualty risks. However, the timeliness of reporting can be affected by such factors as the nature of the event causing the loss, the location of the loss, and whether the losses are from policies in force with insureds, primary insurers, or with reinsurers.

EXCESS OF LOSS VERSUS PROPORTIONAL

For excess of loss contracts, which make up the majority of the Company's business, management are aided by the fact that each policy has a defined limit of liability arising from one event. Once that limit has been reached, there is no further exposure to additional losses from that policy for the same event. For proportional business, an initial estimated loss and loss expense ratio is generally used. This is based upon information provided by the insured or ceding company and/or their broker and management's historical experience of that treaty, if any, and the estimate is adjusted as actual experience becomes known.

TIME LAGS

There is a time lag inherent in reporting from the original claimant to the primary insurer or binding authority holder to the broker and then to the reinsurer. Also, the combination of low claims frequency and high severity makes the available data more volatile and less useful for predicting ultimate losses. In the case of proportional contracts, reliance is placed on an analysis of a contract's historical experience, industry information, and the professional judgement of underwriters in estimating reserves for these contracts. In addition, if available, reliance is placed partially on ultimate loss ratio forecasts as reported by insureds or cedants, which are normally subject to a quarterly or six-month lag.

UNCERTAINTY

As a result of the time lag described above, an estimation must be made of IBNR reserves, which consist of a provision for additional development in excess of the case reserves reported by insureds or ceding companies, as well as a provision for claims which have occurred but which have not yet been reported by insureds or ceding companies. Due to the degree of reliance that is necessarily placed on insureds or ceding companies for claims reporting, the associated time lag, the low frequency/high severity nature of much of the business that the Company underwrites, and the varying reserving practices among ceding companies, reserve estimates are highly dependent on management judgement and therefore uncertain. During the loss settlement period, which may be years in duration, additional facts regarding individual claims and trends often will become known, and current laws and case law may change, as well as regulatory directives, with a consequent impact on reserving. The claims count on the types of insurance and reinsurance that the Company writes, which are low frequency and high severity in nature, is generally low.

For certain catastrophic events there is greater uncertainty underlying the assumptions and associated estimated reserves for losses and loss adjustment expenses. Complexity resulting from problems such as policy coverage issues, multiple events affecting one geographic area and the resulting impact on claims adjusting (including the allocation of claims to the specific event and the effect of demand surge on the cost of building materials and labour) by, and communications from, insureds or ceding companies, can cause delays to the timing with which the Company is notified of changes to loss estimates.

As at 31 December 2017, management's estimates for IBNR represented 44.6 per cent of total net loss reserves (31 December 2016 – 31.9 per cent). The majority of the estimate relates to potential claims on non-elemental risks where timing delays in insured or cedant reporting may mean losses could have occurred of which the Company was not made aware by the balance sheet date.

B. MARKET RISK

The Company is at risk of loss due to movements in market factors. The main risks include insurance risk, investment risk and currency risk.

These risks, and the management thereof, are described below.

I. INSURANCE RISK

The Company is exposed to insurance market risk from several sources, including the following:

- the advent or continuation of a soft market, which may result in a stabilisation or decline in premium rates and/or terms and conditions for certain lines, or across all lines;

- the actions and reactions of key competitors, which may directly result in volatility in premium volumes and rates, fee levels and other input costs;
- market events, including unusual inflation in rates, may result in a limit in the availability of cover, causing political intervention or national remedies;
- failure to maintain broker, binding authority and client relationships, leading to a limited or substandard choice of risks inconsistent with the Company's risk appetite;
- changes in regulation including capital, governance or licensing requirements; and
- changes in geopolitical environment including Great Britain's impending exit from the EU and the implications for business passporting within the EEA.

The most important method to mitigate insurance market risk is to maintain strict underwriting standards. The Company manages insurance market risk in numerous ways, including the following:

- reviews and amends underwriting plans and outlook as necessary;
- reduces exposure to market sectors where conditions have reached unattractive levels;
- purchases appropriate, cost-effective reinsurance cover to mitigate exposures;
- closely monitors changes in rates and terms and conditions;
- ensures through continuous capital management that it does not allow surplus capital to drive underwriting appetite;
- holds a daily underwriting call to discuss, inter alia, market conditions and opportunities;
- regularly reviews output from the Company's economic capital model, BLAST, to assess up-to-date profitability of classes and sectors;
- holds a quarterly Underwriting and Underwriting Risk Committee meeting to review underwriting strategy;
- holds a fortnightly RRC meeting to monitor estimated exposures to peak zone elemental losses and RDSs; and
- holds regular meetings with regulators.

Insurance contract liabilities are not directly sensitive to the level of market interest rates, as they are undiscounted and contractually non-interest bearing.

II. INVESTMENT RISK

Movements in investments resulting from changes in interest and inflation rates and currency exchange rates, amongst other factors, may lead to an adverse impact on the value of the Company's investment portfolio. Investment guidelines are established by the Investment Committee of the LHL Board of Directors to manage this risk. The LUK Board of Directors reviews and adopts these guidelines as appropriate. Investment guidelines set parameters within which the Company's external investment managers must operate. Important parameters include guidelines on permissible assets, duration ranges, credit quality, currency, maturity, sectors, geographical, sovereign and issuer exposures. Investment guidelines exist at the Company portfolio level. Compliance with guidelines is monitored on a monthly basis. Any adjustments to the investment guidelines are approved by the Investment Risk and Return Committee of the LHL Board of Directors and the LUK Board of Directors.

Within the Company guidelines is a subset of guidelines for the portion of funds required to meet near term obligations and cash flow needs following an extreme event. The funds to cover this potential liability are designated as the "core" portfolio and the portfolio duration is matched to the duration of the insurance liabilities, within an agreed range. The core portfolio is invested in fixed maturity securities and cash and cash equivalents. The core portfolio may, at times, contain assets significantly in excess of those required to meet insurance liabilities or other defined funding needs. The subset of guidelines adds a further degree of requirements, including fewer allowable asset classes, higher credit quality, shorter duration and higher liquidity. The primary objectives of this portion of assets are capital preservation and providing liquidity to meet insurance and other near term obligations.

Assets in excess of those required to be held in the core portfolio, are typically held in the "surplus" portfolio. The surplus portfolio is invested in fixed maturity securities, cash and cash equivalents and can also be invested in derivative instruments. The assets in the surplus portfolio are not matched to specific insurance liabilities. In general, the duration of the surplus portfolio may be slightly longer than the core portfolio, while maintaining a focus on high quality assets. Currently, the Company does not hold any equity securities, derivative instruments or any alternative investments, such as hedge funds.

The Company reviews the composition, duration and asset allocation of its investment portfolio on a regular basis in order to respond to changes in interest rates and other market conditions. If certain asset classes are anticipated to produce a higher return within management's risk tolerance, an adjustment in asset allocation may be made. Conversely, if the risk profile is expected to move outside of tolerance levels, adjustments may be made to reduce the risks in the portfolio.

The Company's fixed maturity portfolios are managed by an external investment manager. The performance of the manager is monitored on an ongoing basis.

The investment portfolio is currently structured to perform better in a risk-on environment in order to mitigate the impact of a potential rise in interest rates. The Company endeavours to limit losses in risk-on, risk-off and interest rate hike scenarios. These scenarios represent what could, and most likely will occur (albeit not in the exact form of our chosen scenario). The Company also monitors the portfolio impact of more severe disaster scenarios consisting of extreme shocks.

The Investment Risk and Return Committee meets at least quarterly to ensure that the Company's strategic and tactical investment actions are consistent with investment risk preferences, appetite and risk and return objectives. The Investment Risk and Return Committee also helps further develop the risk tolerances to be incorporated into the ERM framework.

The investment mix of the fixed maturity portfolios is as follows:

As at 31 December 2017	Core		Surplus		Total	
	\$m	%	\$m	%	\$m	%
AFS - external						
– U.S. treasuries	42.2	29.3	2.2	1.5	44.4	30.8
– Other government bonds	1.4	1.0	0.2	0.1	1.6	1.1
– U.S. municipal bonds	1.9	1.3	—	—	1.9	1.3
– U.S. government agency debt	6.9	4.8	—	—	6.9	4.8
– Asset backed securities	3.4	2.4	0.7	0.5	4.1	2.9
– U.S. government agency mortgage backed securities	6.2	4.3	1.6	1.1	7.8	5.4
– Non-agency mortgage backed securities	0.1	0.1	—	—	0.1	0.1
– Corporate bonds	72.9	50.7	4.2	2.9	77.1	53.6
Total fixed maturity securities	135.0	93.9	8.9	6.1	143.9	100.0

As at 31 December 2016	Core		Surplus		Total	
	\$m	%	\$m	%	\$m	%
AFS - external						
– U.S. treasuries	68.6	41.2	5.8	3.5	74.4	44.7
– Other government bonds	1.4	0.8	0.3	0.2	1.7	1.0
– U.S. municipal bonds	0.6	0.4	0.5	0.3	1.1	0.7
– U.S. government agency debt	6.9	4.1	—	—	6.9	4.1
– Asset backed securities	1.2	0.7	0.5	0.3	1.7	1.0
– U.S. government agency mortgage backed securities	9.0	5.4	2.4	1.4	11.4	6.8
– Non-agency mortgage backed securities	0.1	0.1	—	—	0.1	0.1
– Non-agency commercial mortgage backed securities	0.6	0.4	0.1	0.1	0.7	0.5
– Corporate bonds	59.6	35.7	9.0	5.4	68.6	41.1
Total fixed maturity securities	148.0	88.8	18.6	11.2	166.6	100.0

The sector allocation of the corporate bonds is as follows:

As at 31 December	2017		2016	
	\$m	%	\$m	%
Industrial	32.5	42.1	29.5	43.1
Financial	38.3	49.7	31.6	46.1
Utility	6.3	8.2	7.5	10.8
Total	77.1	100.0	68.6	100.0

Corporate bonds and non-U.S. sovereign bonds by country are summarised as follows:

As at 31 December 2017	Financials \$m	Other industries \$m	Total corporate bonds \$m	Other government bonds \$m
Bonds by country				
United States	26.8	33.7	60.5	—
France	2.4	0.4	2.8	0.9
Canada	1.2	1.7	2.9	0.2
Japan	2.2	0.7	2.9	—
Netherlands	1.4	0.8	2.2	—
United Kingdom	0.9	0.5	1.4	—
Germany	0.2	0.7	0.9	0.4
Australia	1.1	0.2	1.3	0.1
Sweden	0.9	—	0.9	—
Spain	0.8	—	0.8	—
Italy	0.4	—	0.4	—
Ireland	—	0.1	0.1	—
Total	38.3	38.8	77.1	1.6

As at 31 December 2016	Financials \$m	Other industries \$m	Total corporate bonds \$m	Other government bonds \$m
Bonds by country				
United States	17.2	31.5	48.7	—
Canada	3.8	1.3	5.1	0.2
Australia	3.4	0.6	4.0	—
France	1.2	1.0	2.2	1.0
Netherlands	1.7	1.2	2.9	—
Japan	1.7	—	1.7	—
United Kingdom	1.2	0.4	1.6	—
Germany	0.2	0.7	0.9	0.5
Sweden	1.2	—	1.2	—
Ireland	—	0.2	0.2	—
Luxembourg	—	0.1	0.1	—
Total	31.6	37.0	68.6	1.7

The Company's net asset value is directly impacted by movements in the value of investments held. Values can be impacted by movements in interest rates, credit ratings, economic environment and outlook, and exchange rates.

The Company has no exposure to valuation risk from equity securities. The Company's investment portfolio is comprised mainly of fixed maturity securities. The fair value of the Company's fixed maturity portfolio is generally inversely correlated to movements in market interest rates. If market interest rates fall, the fair value of the Company's fixed maturity securities would tend to rise and vice versa.

The sensitivity of the price of fixed maturity securities to movements in interest rates is indicated by their duration. The greater a security's duration, the greater its price volatility to movements in interest rates. The sensitivity of the Company's fixed maturity portfolio to interest rate movements is detailed below, assuming linear movements in interest rates and excluding tax impacts:

As at 31 December	2017		2016	
	\$m	%	\$m	%
Immediate shift in yield (basis points)				
100	(2.7)	(1.9)	(3.3)	(2.0)
75	(2.0)	(1.4)	(2.5)	(1.5)
50	(1.4)	(0.9)	(1.7)	(1.0)
25	(0.7)	(0.5)	(0.8)	(0.5)
(25)	0.7	0.5	0.8	0.5
(50)	1.4	0.9	1.7	0.1
(75)	2.0	1.4	2.5	1.5
(100)	2.7	1.9	3.3	2.0

The Company mitigates interest rate risk on the investment portfolio by establishing and monitoring duration ranges in its investment guidelines. The duration of the core portfolio is matched to the modelled duration of the insurance reserves, within a permitted range. The permitted duration range for the core plus portfolio is between zero and four years and the surplus portfolio is between one and five years.

The duration of the externally managed portfolios are as follows:

As at 31 December	2017 years	2016 years
Core portfolio	1.8	1.8
Surplus portfolio	3.0	3.1

In addition to duration management, the Company uses Value at Risk on a monthly basis to measure potential losses in the estimated fair values of its cash and invested assets and to understand and monitor risk. The VaR calculation is performed using variance/covariance risk modelling to capture the cash flows and embedded optionality of the portfolio. Securities are valued individually using standard market pricing models. These security valuations serve as the input to many risk analytics, including full valuation risk analyses, as well as parametric methods that rely on option adjusted risk sensitivities to approximate the risk and return profiles of the portfolio.

The principal VaR measure that is produced is an annual VaR at the 99th percentile confidence level. Under normal conditions, the portfolio is not expected to lose more than the VaR metric listed in the table below, 99 per cent of the time over a one year time horizon.

The Company's annual VaR calculations are as follows:

As at 31 December	2017		2016	
	\$m	% of shareholder's equity	\$m	% of shareholder's equity
95th percentile confidence level	1.7	0.9	2.5	1.4
99th percentile confidence level	2.3	1.3	3.5	2.0

III. CURRENCY RISK

The Company currently underwrites from London, although risks are assumed on a worldwide basis. Risks assumed are predominantly denominated in U.S. dollars.

The Company is exposed to currency risk to the extent its assets are denominated in different currencies to its liabilities. The Company is also exposed to non-retranslation risk on non-monetary assets such as unearned premiums and deferred acquisition costs. Exchange gains and losses can impact income.

The Company hedges monetary non-U.S. dollar liabilities primarily with non-U.S. dollar assets. The Company's main foreign currency exposure relates to its insurance obligations, cash holdings, and premiums receivable.

The Company's assets and liabilities, categorised by currency at their translated carrying amount, are as follows:

Assets	U.S. \$ \$m	Sterling \$m	Euro \$m	Japanese Yen \$m	Other \$m	Total \$m
Cash and cash equivalents	5.6	0.1	0.6	1.7	—	8.0
Accrued interest receivable	0.7	—	—	—	—	0.7
Fixed maturity securities, available for sale	143.9	—	—	—	—	143.9
Reinsurance assets	332.7	6.2	39.0	10.6	19.2	407.7
Deferred acquisition costs	33.4	1.7	8.0	0.2	2.4	45.7
Other receivables	0.1	1.8	—	—	—	1.9
Inwards premiums receivable from insureds and cedants	117.3	3.1	16.5	0.2	5.4	142.5
Deferred tax asset	—	—	—	—	—	—
Total assets at 31 December 2017	633.7	12.9	64.1	12.7	27.0	750.4

Liabilities	U.S. \$ \$m	Sterling \$m	Euro \$m	Japanese Yen \$m	Other \$m	Total \$m
Losses and loss adjustment expenses	227.6	2.9	19.5	4.6	12.9	267.5
Unearned premiums	136.3	5.3	29.8	2.0	12.7	186.1
Insurance contracts – other payables	22.4	1.2	1.7	—	1.6	26.9
Amounts payable to reinsurers	38.8	—	—	—	—	38.8
Deferred acquisition costs ceded	34.7	1.4	8.6	0.3	2.6	47.6
Other payables	2.3	0.6	—	—	—	2.9
Corporation tax payable	—	3.2	—	—	—	3.2
Deferred tax liability	—	1.2	—	—	—	1.2
Total liabilities at 31 December 2017	462.1	15.8	59.6	6.9	29.8	574.2

Assets	U.S. \$ \$m	Sterling \$m	Euro \$m	Japanese Yen \$m	Other \$m	Total \$m
Cash and cash equivalents	29.9	0.3	2.3	1.3	—	33.8
Accrued interest receivable	0.7	—	—	—	—	0.7
Fixed maturity securities, available for sale	166.6	—	—	—	—	166.6
Reinsurance assets	388.3	5.9	27.6	14.3	17.3	453.4
Deferred acquisition costs	38.4	1.7	5.4	0.1	4.1	49.7
Other receivables	0.1	—	—	—	—	0.1
Inwards premiums receivable from insureds and cedants	113.6	1.2	9.1	1.7	0.3	125.9
Deferred tax asset	—	0.2	—	—	—	0.2
Total assets at 31 December 2016	737.6	9.3	44.4	17.4	21.7	830.4

Liabilities	U.S. \$ \$m	Sterling \$m	Euro \$m	Japanese Yen \$m	Other \$m	Total \$m
Losses and loss adjustment expenses	287.9	2.4	12.9	15.4	9.0	327.6
Unearned premiums	157.7	6.1	22.8	1.9	14.6	203.1
Insurance contracts – other payables	21.3	1.0	2.3	—	1.6	26.2
Amounts payable to reinsurers	38.1	1.0	4.8	4.8	2.4	51.1
Deferred acquisition costs ceded	34.3	1.3	5.1	0.2	3.6	44.5
Other payables	1.2	—	—	—	—	1.2
Corporation tax payable	—	1.7	—	—	—	1.7
Total liabilities at 31 December 2016	540.5	13.5	47.9	22.3	31.2	655.4

The impact on net income of a proportional foreign exchange movement of 10 per cent up and 10 per cent down against the U.S. dollar at the year end spot rates would be an increase or decrease of \$2.0 million (2016 – \$1.1 million).

C. LIQUIDITY RISK

Liquidity risk is the risk that cash may not be available to pay obligations when they are due without incurring an unreasonable cost. The Company's main exposures to liquidity risk are with respect to its insurance and investment activities. The Company is exposed if proceeds from financial assets are not sufficient to fund obligations arising from its insurance contracts. The Company can be exposed to daily calls on its available investment assets, principally to settle insurance claims.

Exposures in relation to insurance activities are as follows:

- large catastrophic events, or multiple medium-sized events in quick succession, resulting in a requirement to pay a large value of claims within a relatively short time frame;
- failure of insureds or cedants to meet their contractual obligations with respect to the payment of premiums in a timely manner; and
- failure of reinsurers to meet their contractual obligations with respect to the payment of claims in a timely manner.

Exposures in relation to investment activities are as follows:

- adverse market movements and/or a duration mismatch to obligations, resulting in investments being disposed of at a significant realised loss; and
- an inability to liquidate investments due to market conditions.

The maturity dates of the Company's fixed maturity portfolio are as follows:

As at 31 December 2017	Core \$m	Surplus \$m	Total \$m
Less than one year	48.0	0.1	48.1
Between one and two years	23.0	0.7	23.7
Between two and three years	24.2	1.7	25.9
Between three and four years	9.3	0.6	9.9
Between four and five years	14.3	2.3	16.6
Over five years	6.5	1.2	7.7
Asset backed and mortgage backed securities	9.7	2.3	12.0
Total fixed maturity securities	135.0	8.9	143.9

As at 31 December 2016	Core \$m	Surplus \$m	Total \$m
Less than one year	43.1	0.6	43.7
Between one and two years	47.5	3.2	50.7
Between two and three years	14.3	1.4	15.7
Between three and four years	17.1	4.0	21.1
Between four and five years	9.7	3.6	13.3
Over five years	5.4	2.8	8.2
Asset backed and mortgage backed securities	10.9	3.0	13.9
Total fixed maturity securities	148.0	18.6	166.6

The maturity profile of the financial liabilities of the Company is as follows:

As at 31 December 2017	Years until liability becomes due – undiscounted values					Total \$m
	Balance sheet \$m	Less than one \$m	One to three \$m	Three to five \$m	Over five \$m	
Losses and loss adjustment expenses	267.4	108.8	97.3	33.9	27.5	267.5
Insurance contracts – other payables	26.9	23.8	3.1	—	—	26.9
Amounts payable to reinsurers	38.8	38.8	—	—	—	38.8
Corporation tax payable	3.2	3.2	—	—	—	3.2
Other payables	2.9	2.9	—	—	—	2.9
Total	339.2	177.5	100.4	33.9	27.5	339.3

As at 31 December 2016	Years until liability becomes due – undiscounted values					Total \$m
	Balance sheet \$m	Less than one \$m	One to three \$m	Three to five \$m	Over five \$m	
Losses and loss adjustment expenses	327.6	122.8	121.8	47.0	36.0	327.6
Insurance contracts – other payables	26.2	23.3	2.9	—	—	26.2
Amounts payable to reinsurers	51.1	51.1	—	—	—	51.1
Corporation tax payable	1.7	1.7	—	—	—	1.7
Other payables	1.2	1.2	—	—	—	1.2
Total	407.8	200.1	124.7	47.0	36.0	407.8

Actual maturities of the above may differ from contractual maturities because certain borrowers have the right to call or pre-pay certain obligations with or without call or prepayment penalties. While the estimation of the ultimate liability for losses and loss adjustment expenses is complex and incorporates a significant amount of judgement, the timing of payment of losses and loss adjustment expenses is also uncertain and cannot be predicted as simply as for other financial liabilities. Actuarial and statistical techniques, past experience and management's judgement have been used to determine a likely settlement pattern.

The Company manages its liquidity risks via its investment strategy to hold high quality, highly liquid securities, sufficient to meet its insurance liabilities and other near term liquidity requirements. The creation of the core portfolio with its subset of guidelines aims to ensure funds are readily available to meet potential insurance liabilities in an extreme event plus other near term liquidity requirements.

In addition, the Company has established asset allocation and maturity parameters within the investment guidelines such that the majority of the investments are in high quality assets which could be converted into cash promptly and at minimal expense. The Company monitors market changes and outlooks and re-allocates assets as deemed necessary.

D. CREDIT RISK

Credit risk is the risk that a counterparty may fail to pay, or repay, a debt or obligation. The Company is exposed to credit risk on its fixed maturity investment portfolio and derivative instruments, its inwards premiums receivable from insureds and cedants, and on any amounts recoverable from reinsurers.

Credit risk on the fixed maturity portfolio is mitigated through the Company's policy to invest in instruments of high credit quality issuers and to limit the amounts of credit exposure with respect to particular ratings categories and any one issuer. Securities rated below an S&P or equivalent rating BBB- / Baa3 may comprise no more than 10 per cent of portfolio value, with the exception of U.S. government and agency securities. The Company is therefore not exposed to any significant credit concentration risk on its investment portfolio, except for fixed maturity securities issued by the U.S. government and government agencies.

Credit risk on inwards premiums receivable from insureds and cedants is managed by conducting business with reputable broking organisations, with whom the Company has established relationships, and by rigorous cash collection procedures. The Company also has a broker approval process in place. Credit risk from reinsurance recoverables is primarily managed by review and approval of reinsurer security by the Group Reinsurance Committee.

The table below presents an analysis of the Company's major exposures to counter-party credit risk, based on their rating. The table includes amounts due from policyholders and unsettled investment trades. The quality of these receivables is not graded, but based on management's historical experience there is limited default risk associated with these amounts.

As at 31 December 2017	Cash and fixed maturity securities \$m	Inwards premiums receivable and other receivables \$m	Reinsurance recoveries \$m
AAA	10.8	—	—
AA+, AA, AA-	69.3	—	—
A+, A, A-	34.7	38.8	231.1
BBB+, BBB, BBB-	37.0	—	—
Other	0.1	144.0	0.5
Total	151.9	182.8	231.6

As at 31 December 2016	Cash and fixed maturity securities \$m	Inwards premiums receivable and other receivables \$m	Reinsurance recoveries \$m
AAA	29.5	—	—
AA+, AA, AA-	104.4	—	—
A+, A, A-	41.9	19.7	284.3
BBB+, BBB, BBB-	24.3	—	—
Other	0.3	126.0	—
Total	200.4	145.7	284.3

Reinsurance recoveries above include \$175.7 million (2016 - \$213.8 million) receivable from LICL which was rated A (excellent) by A.M. Best at 31 December 2017.

Under the terms of the whole account quota share agreement, LICL provides security to the Company in the form of a trust fund, consisting of cash and cash equivalents and fixed maturity securities. At 31 December 2017, an amount of \$245.3 million (2016 - \$290.7 million) was held in trust by LICL in favour of the Company.

The following table shows inwards premiums receivable that are past due but not impaired:

	2017 \$m	2016 \$m
Less than 90 days past due	10.9	9.2
Between 91 and 180 days past due	3.9	4.3
Over 180 days past due	10.8	12.6
Total	25.6	26.1

Provisions of \$2.4 million (2016 - \$1.1 million) have been made for impaired or irrecoverable balances and \$1.4 million (2016 - \$1.1 million) was charged (2016 released) to the statement of comprehensive income in respect of bad debts. No provisions have been made against balances recoverable from reinsurers.

E. OPERATIONAL RISK

Operational risk is the risk of loss resulting from inadequate or failed internal processes or systems. The Company has identified and evaluated its key operational risks and these are incorporated in the risk registers and modelled directly within BLAST. The Company has also established, and monitors compliance with, internal operational risk tolerances. The RRC reviews operational risk at least on an annual basis and operational risk is covered in the CRO's quarterly ORSA reporting to the Board of Directors.

In order to manage operational risks, the Company has implemented a robust governance framework. Policies and procedures are documented and identify the key risks and controls within processes. The Company's internal audit function provides independent feedback with regard to the accuracy and completeness of key risks and controls, and independently verifies the effective operation of these through substantive testing. All higher risk areas are subject to an annual audit, while compliance with tax operating guidelines is audited quarterly. Frequency of audits for all other areas varies from quarterly at the most frequent to a minimum of once every three years, on a rotational basis.

F. STRATEGIC RISK

The Company has identified several strategic risks. These include:

- the risks that either the poor execution of the business plan or an inappropriate business plan in itself results in a strategy that fails to adequately reflect the trading environment, resulting in an inability to optimise performance, including reputational risk;
- the risks of the failure to maintain adequate capital, accessing capital at an inflated cost or the inability to access capital. This includes unanticipated changes in vendor, regulatory and/or rating agency models that could result in an increase in capital requirements or a change in the type of capital required; and
- the risks of succession planning, staff retention and key man risks.

I. BUSINESS PLAN RISK

The Company addresses the risks associated with the planning and execution of the business plan through a combination of the following:

- an iterative annual forward-looking business planning process with cross departmental involvement;
- evaluation of and approval of the annual business plan by the Board of Directors;
- regular monitoring of actual versus planned results;
- periodic review and re-forecasting as market conditions change; and
- feedback to senior management via the daily UMCC and fortnightly RRC meetings.

II. CAPITAL MANAGEMENT RISK

The total capital of the Company as at 31 December 2017 is \$176.2 million (31 December 2016 - \$175.0 million). The Company's capital requirements vary with the insurance cycle.

Risks associated with the effectiveness of the Company's capital management, are mitigated as follows:

- regular monitoring of current and prospective regulatory and rating agency capital requirements;
- oversight of capital requirements by the Board of Directors;
- ability to purchase sufficient, cost effective reinsurance; and
- maintaining contact with vendors, regulators and rating agencies in order to stay abreast of upcoming developments.

The Company reviews the level and composition of capital on an ongoing basis with a view to:

- maintaining sufficient capital for underwriting opportunities and to meet obligations to policyholders;
- maximising the risk-adjusted return to shareholders within predetermined risk tolerances;
- maintaining adequate financial strength ratings; and
- meeting internal and regulatory capital requirements.

Internal methods have been developed to review the profitability of classes of business and their estimated capital requirements, and the capital requirements of the combination of a wide range of other risk categories. Management increasingly uses these approaches in decision making. The Company also conducts capital requirement assessments under internal measures and local regulatory requirements.

III. RETENTION RISK

Risks associated with succession planning, staff retention and key man risks are mitigated through a combination of resource planning processes and controls, including:

- the identification of key personnel with appropriate succession plans;
- the identification of key team profit generators and function holders with targeted retention packages;
- documented recruitment procedures, position descriptions and employment contracts; and
- resource monitoring and the provision of appropriate compensation, and training schemes.

3. SEGMENTAL REPORTING

Management and the Board of Directors review the Company's business primarily by its four principal classes: Property, Energy, Marine and Aviation. These classes are therefore deemed to be the Company's operating segments for the purposes of segmental reporting. Further sub-classes of business are underwritten within each operating segment. The nature of these individual sub-classes is discussed further in the risk disclosures section in note 2. Operating segment performance is measured by the net underwriting profit or loss and the combined ratio.

All amounts reported are transactions with external parties with the exception of the outwards reinsurance amounts, which include related party transactions as detailed in note 15.

REVENUE AND EXPENSE BY OPERATING SEGMENT

For the year ended 31 December 2017	Property \$m	Energy \$m	Marine \$m	Aviation \$m	Total \$m
Gross premiums written by geographic area					
Worldwide offshore	0.2	94.3	56.8	—	151.3
Worldwide, including the U.S. and Canada ¹	13.0	1.1	—	16.2	30.3
Europe	11.4	—	—	—	11.4
Middle East	1.7	—	—	—	1.7
U.S. and Canada	6.8	4.8	—	—	11.6
Far East	0.9	—	—	—	0.9
Worldwide, excluding the U.S. and Canada ²	2.8	0.1	—	—	2.9
Rest of world	22.4	(0.4)	0.2	—	22.2
Total	59.2	99.9	57.0	16.2	232.3
Outwards reinsurance premiums	(51.1)	(92.1)	(46.2)	(11.1)	(200.5)
Change in unearned premiums	9.2	7.7	(4.2)	4.3	17.0
Change in unearned premiums ceded	(7.6)	(1.7)	3.2	(5.6)	(11.7)
Net premiums earned	9.7	13.8	9.8	3.8	37.1
Insurance losses and loss adjustment expenses	(22.0)	(37.6)	(21.3)	1.7	(79.2)
Insurance losses recoverable	17.9	35.2	17.2	(1.3)	69.0
Insurance acquisition expenses	(10.7)	(32.4)	(18.3)	(3.4)	(64.8)
Insurance acquisition expenses ceded	12.7	27.8	16.6	2.7	59.8
Net underwriting profit	7.6	6.8	4.0	3.5	21.9
Net unallocated income and expenses					(17.7)
Profit before tax					4.2
Net loss ratio	42.3%	17.4%	41.8%	(10.5%)	27.5%
Net acquisition cost ratio ³	37.1%	71.7%	48.0%	36.8%	55.8%
Expense ratio ³	—	—	—	—	16.5%
Combined ratio	79.4%	89.1%	89.8%	26.3%	99.8%

(1) Worldwide, including the U.S. and Canada, comprises insurance and reinsurance contracts that insure or reinsure risks in more than one geographic area.

(2) Worldwide, excluding the U.S. and Canada, comprises insurance and reinsurance contracts that insure or reinsure risks in more than one geographic area, but that specifically exclude the U.S. and Canada.

(3) The acquisition cost ratio excludes override commission received which is included in the expense ratio.

REVENUE AND EXPENSE BY OPERATING SEGMENT

For the year ended 31 December 2016	Property \$m	Energy \$m	Marine \$m	Aviation \$m	Total \$m
Gross premiums written by geographic area					
Worldwide offshore	0.4	122.8	27.9	0.2	151.3
Worldwide, including the U.S. and Canada ¹	9.5	0.8	–	33.8	44.1
U.S. and Canada	6.9	0.1	–	–	7.0
Europe	9.4	–	–	–	9.4
Worldwide, excluding the U.S. and Canada ²	1.5	0.1	–	–	1.6
Middle East	7.8	–	–	–	7.8
Far East	4.1	–	–	–	4.1
Rest of world	24.7	–	0.7	–	25.4
Total	64.3	123.8	28.6	34.0	250.7
Outwards reinsurance premiums	(54.4)	(108.7)	(24.5)	(29.2)	(216.8)
Change in unearned premiums	4.4	21.0	4.7	0.6	30.7
Change in unearned premiums ceded	(4.0)	(16.7)	(3.2)	(2.6)	(26.5)
Net premiums earned	10.3	19.4	5.6	2.8	38.1
Insurance losses and loss adjustment expenses	(10.1)	(87.6)	(20.4)	1.3	(116.8)
Insurance losses recoverable	8.4	81.6	16.9	(1.0)	105.9
Insurance acquisition expenses	(10.9)	(49.7)	(8.9)	(7.1)	(76.6)
Insurance acquisition expenses ceded	12.8	40.0	8.3	6.8	67.9
Net underwriting profit	10.5	3.7	1.5	2.8	18.5
Net unallocated income and expenses					(27.3)
Profit before tax					(8.8)
Net loss ratio	16.5 %	30.9 %	62.5 %	(10.7) %	28.6 %
Net acquisition cost ratio	30.3 %	92.4 %	45.5 %	90.3 %	68.6 %
Expense ratio	–	–	–	–	30.7 %
Combined ratio	46.8 %	123.3 %	108.0 %	79.6 %	127.9 %

(1) Worldwide, including the U.S. and Canada, comprises insurance and reinsurance contracts that insure or reinsure risks in more than one geographic area.

(2) Worldwide, excluding the U.S. and Canada, comprises insurance and reinsurance contracts that insure or reinsure risks in more than one geographic area, but that specifically exclude the U.S. and Canada.

(3) The acquisition cost ratio excludes override commission received which is included in the expense ratio.

4. INVESTMENT RETURN

The total investment return for the Company is as follows:

For the year ended 31 December 2017	Net investment income and net other investment income (losses) \$m	Net realised (losses) gains and impairments \$m	Net change in unrealised gains/losses on AFS \$m	Total investment return excluding foreign exchange \$m
Fixed maturity securities – AFS	2.5	–	–	2.5
Total investment return	2.5	–	–	2.5

For the year ended 31 December 2016	Net investment income and net other investment income (losses) \$m	Net realised (losses) gains and impairments \$m	Net change in unrealised gains/losses on AFS \$m	Total investment return excluding foreign exchange \$m
Fixed maturity securities – AFS	2.7	0.4	–	3.1
Total investment return	2.7	0.4	–	3.1

There were impairment losses on fixed maturity securities held by the Company of \$nil (2016 – \$0.1 million).

Included in investment income is \$0.3 million (2016 – \$0.4 million) of investment management and custodian fees.

5. NET INSURANCE ACQUISITION EXPENSES

	2017 \$m	2016 \$m
Insurance acquisition expenses	60.8	70.8
Changes in deferred insurance acquisition expenses	4.0	5.8
Insurance acquisition expenses ceded	(62.9)	(60.3)
Changes in deferred insurance acquisition expenses ceded	3.1	(7.6)
Total net insurance acquisition expenses	5.0	8.7

6. OTHER OPERATING EXPENSES

Other operating expenses are stated after charging the following amounts:

	2017 \$m	2016 \$m
Auditors' remuneration		
– audit fees	0.4	0.3
– audit related services	0.2	—
– non-audit services	—	—
Total	0.6	0.3

Fees paid to the Company's auditors for tax advice and other services are approved by the Group's Audit Committee.

7. TAX

Tax (charge) credit	2017 \$m	2016 \$m
Group relief payable	(3.4)	(2.6)
Adjustments in respect of prior period corporation tax	1.8	—
Deferred tax credit for the period	0.3	1.9
Adjustment in respect of prior period deferred tax	(1.7)	—
Total tax charge	(3.0)	(0.7)

Tax reconciliation	2017 \$m	2016 \$m
Profit (loss) before tax	4.2	(8.8)
UK corporation tax at 19.25% (2016: 20%)	(0.8)	1.8
Adjustments in respect of prior period	0.1	—
Other expense permanent differences	(2.3)	(2.5)
Total tax charge	(3.0)	(0.7)

Refer to note 9 for details of the tax expense related to the net change in unrealised gains and losses on investments that is included in accumulated other comprehensive income within shareholder's equity.

Taxation	2017 \$m	2016 \$m
Group relief receivable from CCSL	0.9	0.9
Group relief payable to CCHL	(0.2)	—
Group relief payable to LHL	(3.9)	(2.6)
Total	(3.2)	(1.7)

8. CASH AND CASH EQUIVALENTS

	2017 \$m	2016 \$m
Cash at bank and in hand	2.5	11.7
Cash equivalents	5.5	22.1
Total cash and cash equivalents	8.0	33.8

Cash equivalents have an original maturity of three months or less. The carrying amount of these assets approximates their fair value.

9. INVESTMENTS

As at 31 December 2017	Cost or amortised cost \$m	Unrealised gains \$m	Unrealised losses \$m	Estimated fair value \$m
Fixed maturity securities – AFS				
– U.S. treasuries	44.7	—	(0.3)	44.4
– Other government bonds	1.6	—	—	1.6
– U.S. municipal bonds	1.9	—	—	1.9
– U.S. government agency debt	7.0	—	(0.1)	6.9
– Asset backed securities	4.1	—	—	4.1
– U.S. government agency mortgage backed securities	7.8	0.1	(0.1)	7.8
– Non-agency mortgage backed securities	0.1	—	—	0.1
– Non-agency commercial mortgage backed securities	—	—	—	—
– Corporate bonds	77.1	0.3	(0.3)	77.1
Total investments	144.3	0.4	(0.8)	143.9

As at 31 December 2016	Cost or amortised cost \$m	Unrealised gains \$m	Unrealised losses \$m	Estimated fair value \$m
Fixed maturity securities – AFS				
– U.S. treasuries	74.8	–	(0.4)	74.4
– Other government bonds	1.7	–	–	1.7
– U.S. municipal bonds	1.0	0.1	–	1.1
– U.S. government agency debt	7.0	–	(0.1)	6.9
– Asset backed securities	1.7	–	–	1.7
– U.S. government agency mortgage backed securities	11.4	0.1	(0.1)	11.4
– Non-agency mortgage backed securities	0.1	–	–	0.1
– Non-agency commercial mortgage backed securities	0.7	–	–	0.7
– Corporate bonds	68.6	0.3	(0.3)	68.6
Total investments	167.0	0.5	(0.9)	166.6

Accumulated other comprehensive loss is in relation to the fixed maturity investment portfolio and is as follows:

	2017 \$m	2016 \$m
Gross unrealised gains	0.4	0.5
Gross unrealised losses	(0.8)	(0.9)
Accumulated other comprehensive income	(0.4)	(0.4)

Fixed income maturities are presented in the risk disclosures section in note 2.

The Company determines the estimated fair value of each individual security utilising the highest level inputs available. Prices for the Company's investment portfolio are provided by a third-party investment accounting firm whose pricing processes and the controls thereon are subject to an annual audit on both the operation and the effectiveness of those controls. The audit reports are available to clients of the firm and the report is reviewed annually by management. In accordance with their pricing policy, various recognised reputable pricing sources are used including broker-dealers and pricing vendors. The pricing sources use bid prices where available, otherwise indicative prices are quoted based on observable market trade data. The prices provided are compared to the investment managers' pricing. The Company has not made any adjustments to any pricing provided by independent pricing services or its third-party investment managers for either year ending 31 December.

The fair value of securities in the Company's investment portfolio is estimated using the following techniques:

LEVEL (I)

Level (i) investments are securities with quoted prices in active markets. A financial instrument is regarded as quoted in an active market if quoted prices are readily and regularly available from an exchange, dealer, broker, industry group, pricing service or regulatory agency and those prices represent actual and regularly occurring market transactions on an arm's length basis. The Company determines securities classified as Level (i) to include highly liquid U.S. treasuries, certain highly liquid short-term investments and quoted equity securities.

LEVEL (II)

Level (ii) investments are securities with quoted prices in active markets for similar assets or liabilities or securities valued using other valuation techniques for which all significant inputs are based on observable market data. Instruments included in Level (ii) are valued via independent external sources using modeled or other valuation methods. Such methods are typically industry accepted standard and include:

- broker-dealer quotes;
- pricing models or matrix pricing;
- present values;
- future cash flows;
- yield curves;
- interest rates;
- prepayment speeds; and
- default rates.

Other similar quoted instruments or market transactions may be used.

The Company determines securities classified as Level (ii) to include short-term and fixed maturity investments such as:

- Non-U.S. government bonds;
- U.S. municipal bonds;
- U.S. government agency bonds;
- Asset backed securities;
- U.S. government agency mortgage backed securities;
- Non-agency mortgage backed securities;
- Non-agency commercial mortgage backed securities;
- Bank loans;
- Corporate bonds; and

LEVEL (III)

Level (iii) investments are securities for which valuation techniques are not based on observable market data. During the years ended 31 December 2017 and 31 December 2016, the Company did not hold any category (iii) investments.

The fair value hierarchy of the Company's investment holdings is as follows:

As at 31 December 2017	Level (i) \$m	Level (ii) \$m	Level (iii) \$m	Total \$m
Fixed maturity securities				
– U.S. treasuries	44.4	—	—	44.4
– Other government bonds	—	1.6	—	1.6
– U.S. municipal bonds	—	1.9	—	1.9
– U.S. government agency debt	—	6.9	—	6.9
– Asset backed securities	—	4.1	—	4.1
– U.S. government agency mortgage backed securities	—	7.8	—	7.8
– Non-agency mortgage backed securities	—	0.1	—	0.1
– Corporate bonds	—	77.1	—	77.1
Total fixed maturity securities	44.4	99.5	—	143.9

As at 31 December 2016	Level (i) \$m	Level (ii) \$m	Level (iii) \$m	Total \$m
Fixed maturity securities				
– U.S. treasuries	74.4	—	—	74.4
– Other government bonds	—	1.7	—	1.7
– U.S. municipal bonds	—	1.1	—	1.1
– U.S. government agency debt	—	6.9	—	6.9
– Asset backed securities	—	1.7	—	1.7
– U.S. government agency mortgage backed securities	—	11.4	—	11.4
– Non-agency mortgage backed securities	—	0.1	—	0.1
– Non-agency commercial mortgage backed securities	—	0.7	—	0.7
– Corporate bonds	—	68.6	—	68.6
Total fixed maturity securities	74.4	92.2	—	166.6

There were no level (iii) investments as at 31 December 2017 or 31 December 2016, therefore a reconciliation of movements within that level has not been presented. There have been no transfers between Levels (i) and (ii).

10. INTERESTS IN STRUCTURED ENTITIES

As part of its investment activities, the Company invests in unconsolidated structured entities. As at 31 December 2017, the Company's total interest in unconsolidated structured entities was \$12.0 million (31 December 2016 – \$13.9 million). The Company does not sponsor any of the unconsolidated structured entities.

A summary of the Company's interest in unconsolidated structured entities is as follows:

As at 31 December	2017 \$m	2016 \$m
Fixed maturity securities		
– Asset backed securities	4.1	1.7
– U.S. government agency mortgage backed securities	7.8	11.4
– Non-agency mortgage backed securities	0.1	0.1
– Non-agency commercial mortgage backed securities	—	0.7
Total	12.0	13.9

Whilst individual securities may differ in structure, the principles of the instruments are broadly the same and it is appropriate to aggregate the investments into the categories above.

These structured entities are created to meet specific investment needs of borrowers and investors which cannot be met from standard financial instruments available in capital markets. As such, they provide liquidity to the borrowers in these markets and provide investors with an opportunity to diversify away from standard fixed maturity securities.

The risk that the Company faces in respect of the investments in structured entities is similar to the risk it faces in respect of other financial investments held on the balance sheet in that fair value is determined by market supply and demand. This is in turn driven by investor evaluation of the credit risk of the structure and changes in term structure of interest rates which change investors' expectation of the cash flows associated with the instrument and, therefore, its value in the market. Risk management disclosure for these financial instruments and other investments is provided on pages 26 to 29.

The maximum exposure to loss in respect of these structured entities would be the carrying value of the instruments that the Company holds as at 31 December 2017 and 31 December 2016. Generally, default rates would have to increase substantially from their current level before the Company would suffer a loss and this assessment is made prior to investing and continually through the holding period for the security. The Company has not provided any other financial or other support in addition to that described above as at the reporting date, and there are no intentions to provide support in relation to any other unconsolidated structured entities in the foreseeable future.

11. LOSSES AND LOSS ADJUSTMENT EXPENSES

	Losses and loss adjustment expenses \$m	Reinsurance recoveries \$m	Net losses and loss adjustment expenses \$m
As at December 2015	296.6	(250.2)	46.4
Net incurred losses for:			
Prior years	(25.6)	21.1	(4.5)
Current year	142.4	(127.0)	15.4
Exchange adjustments	1.9	(1.6)	0.3
Incurred losses and loss adjustment expenses	118.7	(107.5)	11.2
Net paid losses for:			
Prior years	68.0	(56.3)	11.7
Current year	19.7	(17.1)	2.6
Paid losses and loss adjustment expenses	87.7	(73.4)	14.3
As at 31 December 2016	327.6	(284.3)	43.3
Net incurred losses for:			
Prior years	(10.7)	3.9	(6.8)
Current year	89.9	(72.9)	17.0
Exchange adjustments	7.6	(6.3)	1.3
Incurred losses and loss adjustment expenses	86.8	(75.3)	11.5
Net paid losses for:			
Prior years	142.2	(124.2)	18.0
Current year	4.7	(3.8)	0.9
Paid losses and loss adjustment expenses	146.9	(128.0)	18.9
As at 31 December 2017	267.5	(231.6)	35.9

Further information on the calculation of loss reserves and the risks associated with them is provided in the risk disclosures section from note 2. The risks associated with general insurance contracts are complex and do not readily lend themselves to meaningful sensitivity analysis. The impact of an unreported event could lead to a significant increase in the Company's loss reserves. The Company believes that the loss reserves established are adequate, however a 20.0 per cent increase in estimated losses would lead to a \$53.5 million (2016 – \$65.5 million) increase in gross loss reserves. There was no change to the Company's reserving methodology during the year.

The split of net losses and loss adjustment expenses between notified outstanding losses, ACRs assessed by management and IBNR is shown below:

As at 31 December	2017		2016	
	\$m	%	\$m	%
Outstanding losses	10.1	28.1	17.1	39.5
Additional case reserves	9.9	27.6	12.4	28.6
Losses incurred but not reported	15.9	44.3	13.8	31.9
Total	35.9	100.0	43.3	100.0

The Company's reserve for unpaid losses and loss adjustment expenses as at 31 December 2017 and 2016 had an estimated duration of approximately two years.

CLAIMS DEVELOPMENT

The development of insurance liabilities is indicative of the Company's ability to estimate the ultimate value of its insurance liabilities. The Company began writing insurance and reinsurance business in October 2006.

Accident year	2007 and prior \$m	2008 \$m	2009 \$m	2010 \$m	2011 \$m	2012 \$m	2013 \$m	2014 \$m	2015 \$m	2016 \$m	2017 \$m	Total \$m
Gross losses												
Estimate of ultimate liability ¹												
At end of accident year	53.2	220.0	124.1	178.5	236.4	168.9	137.6	118.4	137.0	141.4	89.7	
One year later	55.7	205.3	84.0	120.3	184.0	144.4	126.8	93.6	110.6	149.3		
Two years later	39.9	195.8	62.4	106.2	189.5	140.5	104.2	83.2	102.6			
Three years later	34.9	174.7	57.8	104.8	206.3	132.8	108.7	78.6				
Four years later	31.0	167.1	57.1	100.1	222.2	122.7	106.5					
Five years later	30.3	158.3	55.2	102.5	222.1	121.2						
Six years later	31.1	157.8	54.5	101.2	222.1							
Seven years later	31.6	158.2	75.4	101.0								
Eight years later	31.6	158.4	76.0									
Nine years later	31.3	159.1										
Ten years later	31.3											
Current estimate of cumulative liability	1.8	2.5	25.7	3.8	3.8	6.7	9.4	10.1	19.9	98.8	85.0	267.5
Payments made	29.5	156.6	50.3	97.2	222.7	114.5	97.1	68.5	82.7	50.5	4.7	974.3
Total gross liability	31.3	159.1	76.0	101.0	226.5	121.2	106.5	78.6	102.6	149.3	89.7	1,241.8

(1) Adjusted for revaluation of foreign currencies at the exchange rate as at 31 December 2017.

Accident year	2007 and prior \$m	2008 \$m	2009 \$m	2010 \$m	2011 \$m	2012 \$m	2013 \$m	2014 \$m	2015 \$m	2016 \$m	2017 \$m	Total \$m
Reinsurance												
Estimate of ultimate												
At end of accident year	45.1	185.7	103.1	153.7	205.3	146.1	113.9	98.1	114.6	126.4	72.7	
One year later	47.6	173.8	69.7	103.9	158.4	127.3	105.2	77.6	93.3	137.2		
Two years later	33.9	166.6	51.8	92.2	163.1	123.1	86.5	68.7	86.4			
Three years later	29.7	148.8	48.6	91.2	179.1	116.8	90.2	65.2				
Four years later	26.4	141.6	47.5	87.3	195.0	107.8	88.4					
Five years later	25.8	134.1	45.9	89.3	194.9	107.2						
Six years later	26.5	133.6	45.3	88.3	198.9							
Seven years later	26.9	134.0	62.5	88.3								
Eight years later	26.9	134.2	63.0									
Nine years later	26.6	134.8										
Ten years later	26.7											
Current estimate of cumulative recovery	1.5	2.1	21.2	3.4	3.5	5.6	7.8	8.4	16.5	92.7	68.9	231.6
Payments received	25.2	132.7	41.8	84.7	195.4	101.6	80.6	56.8	69.9	44.5	3.8	837.0
Total reinsurance recoverable	26.7	134.8	63.0	88.1	198.9	107.2	88.4	65.2	86.4	137.2	72.7	1,068.6

(1) Adjusted for revaluation of foreign currencies at the exchange rate as at 31 December 2017.

Accident year	2007 and prior \$m	2008 \$m	2009 \$m	2010 \$m	2011 \$m	2012 \$m	2013 \$m	2014 \$m	2015 \$m	2016 \$m	2017 \$m	Total \$m
Net losses												
Estimate of ultimate liability ¹												
At end of accident year	8.1	34.3	21.0	24.8	31.1	22.8	23.7	20.3	22.4	15.0	17.0	
One year later	8.1	31.5	14.3	16.4	25.6	17.1	21.6	16.0	17.3	12.1		
Two years later	6.0	29.2	10.6	14.0	26.4	17.4	17.7	14.5	16.2			
Three years later	5.2	25.9	9.2	13.6	27.2	16.0	18.5	13.4				
Four years later	4.6	25.5	9.6	12.8	27.2	14.9	18.1					
Five years later	4.5	24.2	9.3	13.2	27.2	14.0						
Six years later	4.6	24.2	9.2	12.9	27.6							
Seven years later	4.7	24.2	12.9	12.9								
Eight years later	4.7	24.2	13.0									
Nine years later	4.7	24.3										
Ten years later	4.6											
Current estimate of cumulative liability	0.3	0.4	4.5	0.4	0.3	1.1	1.6	1.7	3.4	6.1	16.1	35.9
Payments made	4.3	23.9	8.5	12.5	27.3	12.9	16.5	11.7	12.8	6.0	0.9	137.3
Total net liability	4.6	24.3	13.0	12.9	27.6	14.0	18.1	13.4	16.2	12.1	17.0	173.2

(1) Adjusted for revaluation of foreign currencies at the exchange rate as at 31 December 2017.

The inherent uncertainty in reserving gives rise to favourable or adverse development on the established reserves. The total favourable development on net losses and loss adjustment expenses, excluding the impact of foreign exchange revaluations, was as follows:

	2017		2016	
	Gross	Net	Gross	Net
	\$m	\$m	\$m	\$m
2007 accident year and prior	—	—	0.3	—
2008 accident year	(0.7)	(0.1)	(0.2)	—
2009 accident year	(0.5)	(0.1)	(20.9)	(3.7)
2010 accident year	0.3	—	1.2	0.2
2011 accident year	0.5	0.5	1.1	0.2
2012 accident year	1.5	0.3	10.3	1.8
2013 accident year	2.4	0.4	(4.3)	(0.7)
2014 accident year	5.0	0.9	11.3	2.0
2015 accident year	9.0	1.5	26.8	4.7
2016 accident year	(6.8)	3.4	—	—
Total favourable development	10.7	6.8	25.6	4.5

Refer to the business review section of the strategic report for details on prior year development.

12. INSURANCE, REINSURANCE AND OTHER RECEIVABLES

	2017 \$m	2016 \$m
Inwards premiums receivable from insureds and cedants	142.5	125.9
Reinsurance assets		
- Reinsurance recoveries	231.6	284.3
- Other receivables	38.4	19.7
Other receivables	1.9	0.1
Accrued interest receivable	0.7	0.7
Total receivables	415.1	430.7

Other receivables consist primarily of unsettled investment trades and prepaid expenses. All receivables are considered current other than \$34.6 million (31 December 2016 – \$35.8 million) of inwards premiums receivable related to multi-year contracts. The carrying value approximates fair value due to the short-term nature of the receivables. There are no significant concentrations of credit risk within the Company's receivables.

13. DEFERRED TAX

As at 31 December	2017 \$m	2016 \$m
Deferred tax (liability) asset	(1.2)	0.2

The deferred tax liability relates mainly to timing differences on claims equalisation reserves and capital allowances and is classified as non-current.

The UK corporation tax rate as at 31 December 2017 was 19.0 per cent (effective from 1 April 2017). Until 1 April 2017, the UK corporation tax rate of 20.0 per cent applied. The UK government has passed legislation to reduce the rate of corporation tax to 17.0 per cent with effect from 1 April 2020. These rates have been reflected in the closing deferred tax position on the balance sheet.

14. SHARE CAPITAL

Authorised ordinary shares of \$0.50 each	Number	£m	
As at 31 December 2017 and 2016	200,000,000	200.0	

Allocated, called up and fully paid	Number	£m	\$m
As at 31 December 2017 and 2016	97,987,956	98.0	188.4

During 2017, the Directors authorised the payment of an interim dividend of \$nil (2016 - \$nil).

15. RELATED PARTY DISCLOSURES

REMUNERATION OF DIRECTORS

All UK employees in the Lancashire Group are employed and remunerated by LISL. The emoluments of these employees are recharged as part of a management charge under a management service agreement.

The interests of the directors in shares and restricted stock of LHL are as follows:

For the year ended 31 December	shares		restricted stock	
	2017	2016	2017	2016
Russell Worsley	—	—	62,281	58,241
Michael Connor	9,729	9,729	29,035	30,939
Paul Gregory	120,750	84,419	474,952	398,804
Hayley Johnston	—	—	249,528	170,148
Steve Yeo	857	857	85,105	75,344

The interests of Samantha Hoe-Richardson are disclosed in the Annual Report and Accounts of LHL. None of the other non-executive directors have any interest in the shares and restricted stock of LHL.

Directors remuneration for the year ended 31 December was as follows:

	2017 \$m	2016 \$m
Short-term compensation	2.2	3.0
Equity-based compensation ¹	0.2	1.9
Total	2.4	4.9

(1) This is the IFRS 2 charge for the change in the vesting percentage of awards held by the directors during the year.

TRANSACTIONS WITH AFFILIATES

Other operating expenses include the following amounts related to transactions with LICL, LISL, LMSCL and CSL under insurance service agreements.

Income statement	2017 \$m	2016 \$m
Service fee payable to LISL	13.7	21.8
Service fee payable to LICL	0.5	0.6
Service fee payable to LMSCL	0.1	0.1
Service fee payable to CSL	0.1	0.1
Total	14.4	22.6

The Company has entered into a quota share treaty agreement with LICL. Under this agreement, the Company cedes a share of all its business written or assumed and receives an override commission. The following balances and transactions with LICL under the quota share treaty are included in the Company's financial statements:

Balance sheet	2017 \$m	2016 \$m
Assets		
Reinsurance assets		
– Unearned premiums on premiums ceded	113.1	131.1
– Reinsurance recoveries	167.6	213.8
– Other receivables	17.4	3.7
Liabilities		
Amounts payable to reinsurers	0.5	12.1
Deferred acquisition costs ceded	46.6	44.4

Statement of comprehensive income	2017 \$m	2016 \$m
Outwards reinsurance premiums	(123.3)	(145.8)
Change in unearned premiums on premiums ceded	(18.1)	(26.0)
Insurance losses and loss adjustment expenses recoverable	43.2	55.9
Insurance acquisition expenses ceded	56.3	63.6

The Company has entered into an underwriting services agreement with Cathedral Syndicate 3010. Under the terms of this agreement, the Company receives an override commission. The override commission receivable in relation to 2017 was \$0.9 million (2016 - \$1.1 million).

During 2017 the Company entered into a catastrophe excess of loss reinsurance agreement with Cathedral Syndicate 2010. Under the terms of the agreement the Company recorded \$4.4m of gross written premium (including \$1.3m of reinstatement premium) which was fully earned in the year. The company has also recognised \$5.0m of IBNR in relation to expected claims on the contract.

CONTINGENT LIABILITY

The Company provides guarantees in respect of the obligations of LISL under three operating leases to rent office accommodation. These operating leases were assigned to a third party during 2014, but LISL retains liability for the payments in the event of the default of the third party and its guarantor. The directors believe the risk of the third party and its guarantor not meeting their obligations under the leases to be remote. The leases expire in 2021.

16. PARENT COMPANY AND ULTIMATE HOLDING COMPANY

The Company's immediate parent company is LIHL, a company registered in England. LHL, registered in Bermuda, owns 100 per cent of the issued share capital of LIHL as at 31 December 2017 and is the Company's ultimate holding company. The Company's parent and ultimate holding is Lancashire Holdings Limited, a company incorporated in Bermuda and whose registered office is Power House, 7 Par-la-Ville Road, Hamilton, HM 11, Bermuda.

The financial statements of LHL may be viewed on Lancashire Holdings Limited's website at www.lancashiregroup.com.

Acquisition cost ratio

Ratio, in percent, of the sum of expenses for acquisition costs to net earned premiums

ACR

Additional case reserves

Aggregate/Aggregation

Accumulations of insurance loss exposures which result from underwriting multiple risks that are exposed to common causes of loss

AFS

Available for sale

BLAST

The Group's economic capital model

CCSL

Cathedral Capital Services Limited

CCHL

Cathedral Capital Holdings Limited

CSL

Cathedral Services Limited

Claim

Demand by an insured for indemnity under an insurance contract

Combined ratio

Ratio, in percent, of the sum of net insurance claims, expenses for acquisition of insurance contracts and administrative expenses to net earned premiums

The "Company"

Lancashire Insurance Company (UK) Limited

CRO

Chief Risk Officer

Deferred acquisition costs

Costs incurred for the acquisition or the renewal of insurance policies (e.g. brokerage and premium taxes) which are deferred and amortised over the term of the insurance contracts to which they relate

Duration

Duration is the weighted average maturity of a security's cash flows, where the present values of the cash flows serve as the weights. The effect of the convexity on the portfolio's response to changes in interest rates is also factored in to the calculation

ERM

Enterprise Risk Management

Excess of loss

Reinsurance or insurance that indemnifies the reinsured or insured against all or a specified portion of losses on an underlying insurance policy in excess of a specified amount

Expense ratio

Ratio, in percent, of the sum of expenses for administrative expenses to net earned premiums

Facultative reinsurance

A reinsurance risk that is placed by means of a separately negotiated contract as opposed to one that is ceded under a reinsurance treaty

FCA

Financial Conduct Authority

Gross premiums written

Amounts payable by the insured, excluding any taxes or duties levied on the premium, including any brokerage and commission deducted by intermediaries

The "Group"

LHL and its subsidiaries

Industry Loss Warranty (ILW)

A type of reinsurance or derivative contract through which one party will purchase protection based on the total loss arising from an event to the entire insurance industry rather than their own losses

International Accounting Standards (IAS)

Standards for the preparation and presentation of financial statements created by the International Accounting Standards Board (IASB)

Incurred by not reported (IBNR)

These are anticipated or likely claims that may result from insured events which have taken place, but for which no claims have yet been reported

IFRS

International Financial Reporting Standards (as adopted by the European Union)

LHL

Lancashire Holdings Limited

LICL

Lancashire Insurance Company Limited

LIHL

Lancashire Insurance Holdings (UK) Limited

LIMSL

Lancashire Insurance Marketing Services Limited

LISL

Lancashire Insurance Services Limited

LMSCl

Lancashire Management Services Canada Limited

Loss ratio

Ratio, in percent, of net insurance claims to net earned premiums

LUK

Lancashire Insurance Company (UK) Limited

Net premiums written

Net premiums written is equal to gross premiums written less outward reinsurance premiums written

ORSA

Own Risk and Solvency Assessment

OTC

Over the counter

PRA

Prudential Regulation Authority

RDS

Realistic Disaster Scenario

Return on equity (ROE)

Ratio, in percent, calculated by dividing the consolidated profit after tax by the average total equity

Risk

May variously refer to: the possibility of some event occurring which causes injury or loss, the subject matter of an insurance or reinsurance contract or an insured peril

RRC

Risk and Return Committee

SHARP

Lancashire's in house aggregation system

Treaty

A reinsurance contract under which the reinsurer agrees to offer and to accept all risks of a certain size within a defined class

UMCC

Underwriting and Marketing Conference Call

Unearned premium

The portion of premium income that is attributable to periods after the balance sheet date is deferred and amortised to future accounting periods

U.S.

United States

U.S. GAAP

Accounting principles generally accepted in the United States

VaR

Value at Risk