

Financial Condition Report 2017



Zurich Reinsurance Company Ltd

Contents

Acronyms	4
Introduction	5
A. Business activities	7
A.1 Legal structure and major subsidiaries and branches	
A.2. Information about the company's strategy, objectives and key business segments	<u> </u>
A.3 Information about the company's external auditors as per article 28 ISA 8 A.4 Significant unusual events	<u>8</u>
A.4 Significant unusual events	0
B. Performance	9
B.1 Underwriting performance	9
B.2 Investment performance	10
B.3 Intra-group events and transactions	10
C. Corporate governance and risk management	11
C.1 Corporate governance	11
C.2 Risk management	12
C.3 Internal control system	13
C.4 Compliance	13
C.5 Internal audit function	14
D. Risk profile	15
D.1 Insurance risk	15
D.2 Market risk including investment credit risk D.3 Other credit risk	16 19
D.4 Operational risk	19 19
D.5 Liquidity risk	20
D.6 Other material risks	20
D.O Other Matcharisks	20
E. Valuation	21
E.1 Overarching valuation principle	21
E.2 Market consistent balance sheet following SST principles	
F. Capital management	24
G. Solvency	26
Appendix 1: Quantitative templates	28
Annondix 2: Specific MCPS valuation principles	22
Appendix 2: Specific MCBS valuation principles	32
Appendix 3: Report of the statutory auditor on	
ZRe annual report	37

The information published in this report is consistent with the information in the Annual Report 2017 of Zurich Reinsurance Company Ltd and the regulatory reporting of Zurich Reinsurance Company Ltd, including the regulatory reporting to the Swiss Financial Market Supervisory Authority (FINMA) on the Swiss Solvency Test, in accordance with art. 25 ISA and art. 53 ISO. While the financial statements and the information therein were subject to audit by the statutory auditor of Zurich Reinsurance Company Ltd, PricewaterhouseCoopers AG (see Annual Report 2017), there was no external audit or review of this report. Please further note that this report was not reviewed by FINMA.

Zurich Reinsurance Company Ltd Financial Condition Report 2017 3

Overview

Business profile

Zurich Reinsurance Company Ltd (ZRe) is a reinsurance company domiciled in Zurich, Switzerland. The company was licensed in Switzerland on December 15, 2016. Prior to this date, the company was called Zurich International (Bermuda) Ltd., and domiciled in Bermuda. The company is a standalone legal entity that has both a reinsurance and a direct non-life license issued by FINMA. The company belongs to the Zurich Insurance Group. ZRe's focus is on providing reinsurance solutions to affiliated companies of the Group, primarily to branches of Zurich Insurance Company Ltd (ZIC). ZRe's direct book is in run-off.

System of governance

Good corporate governance enables ZRe to create sustainable value for its shareholder, customers, employees and other stakeholders.

ZRe enterprise risk management (ERM) framework supports achievement of the Group's strategy and helps protect capital, liquidity, earnings and reputation.

Risk profile

Taking risk is inherent to the insurance business, but such risk-taking needs to be made in an informed and disciplined way. This is the primary objective of ZRe's risk management. The main risks identified are premium and reserve risk, credit risk and market risk.

We use our Total Risk ProfilingTM process to evaluate both external and internal risks to our strategy and financial plan. Among the risks we identified in 2017 are dependency on counterparty, pricing and reserving adequacy and regulatory compliance.

The significant risks for ZRe, as measured by capital metrics, are premium and reserve risks.

Financial condition

ZRe reported a net income after taxes of CHF 54 million for 2017, compared to CHF 12 million for the period from October 1, 2016, to December 31, 2016. The results in 2017 were driven by strong performance of some of the assumed reinsurance business.

Net income after taxes 2017

CHF 54m

Shareholder's equity

CHF 728m

Swiss Solvency Test ratio as of December 31, 2017

430%

Acronyms

t
company)
liaries

Zurich Reinsurance Company Ltd Financial Condition Report 2017 5

Introduction

0. How to read the report

Zurich Reinsurance Company Ltd (ZRe)'s financial condition report is prepared in compliance with the Swiss insurance supervision act (ISA) article 26 and FINMA's Circular 16/2 'Disclosure - insurers'. The report focuses on the 2017 financial year and should be read in conjunction with ZRe's annual report 2017 (available on www.zurich.com/en/investor-relations/ results-and-reports/other-statutory-filings). Wherever applicable, this report makes reference to the Zurich Insurance Group's Financial Condition Report or the Zurich Insurance Group's Annual Report for more information.

The report presents information following the structure provided in FINMA's circular. It covers ZRe's business activities, performance, corporate governance and risk management, risk profile, valuation, capital management and solvency. Quantitative information refers to different frameworks applicable or mandatory to the company:

- 'Business activities'-related and 'Performance' results are presented based on the Swiss statutory reporting standards applicable to ZRe. (Swiss Code of Obligations (CO) and relevant insurance supervisory law).
- The 'Risk profile' section presents based on the Swiss statutory reporting standards for insurance risk, and a net economic asset value-based analysis of the market and credit risk.
- 'Valuation' presents the market-consistent balance sheet (MCBS) of ZRe following the Swiss Solvency Test (SST) principles. The SST MCBS is compared with the balance sheet based on the Swiss statutory reporting standards of ZRe as of December 31, 2017.
- The 'Solvency' section shows the regulatory capital adequacy of the company based on SST.

Risk and capital are managed at ZRe according to Zurich Insurance Group's risk and capital management framework. The principles of the Zurich Insurance Group's enterprise risk management described in the 'Corporate governance and risk management section' and in the 'Risk profile' section are applicable to ZRe. There is no material difference between how risk and capital are managed at the Zurich Insurance Group and ZRe.

FINMA mandates the disclosure of quantitative templates for insurance entities that are included in Appendix 1.

All amounts, unless otherwise stated, are shown in CHF, rounded to the nearest million, with the consequence that the rounded amounts may not add up to the rounded total in all cases. All variances are calculated using the actual figures rather than the rounded amounts.

As ZRe has only been licensed since December 15, 2016, the previous year in this report only covers the period from October 1, 2016, to December 31, 2016.

Introduction continued

1. Executive summary

Business activities

ZRe is a reinsurance company domiciled in Zurich, Switzerland. It was licensed in Switzerland on December 15, 2016. Prior to this date, ZRe was called Zurich International (Bermuda) Ltd., and was domiciled in Bermuda. ZRe's focus is on providing reinsurance solutions to affiliated companies of the Group, primarily to branches of Zurich Insurance Company Ltd (ZIC). In addition, ZRe is running off a legacy book of direct insurance.

Company results

ZRe reported a net income after taxes of CHF 54 million for 2017, compared to CHF 12 million for the period from October 1, 2016, to December 31, 2016. The results in 2017 were driven by strong performance of some of the assumed reinsurance.

Corporate governance and risk management

ZRe is a member of the Zurich Insurance Group ('Zurich' or 'the Group'). The Group is committed to effective corporate governance for the benefit of its shareholders, customers, employees and other stakeholders based on the principles of fairness, transparency and accountability. Structures, rules and processes are designed to provide proper organization and conduct of business within Zurich and to define the powers and responsibilities of its corporate bodies and employees. These principles are also applied to ZRe.

Taking risk is inherent to the insurance business, but such risk-taking needs to be made in an informed and disciplined way, and within a pre-determined risk appetite and tolerance. This is the primary objective of ZRe's risk management.

Risk profile

ZRe uses the Total Risk Profiling™ process to monitor both external and internal risks to our strategy and financial plan. Among the risks identified in 2017 were dependency on counterparties, adequacy of assumed reinsurance pricing and established reserves and regulatory compliance.

In 2017, ZRe produced an own risk and solvency assessment (ORSA), as required by the Swiss regulator FINMA. The analysis of ZRe's risk profile and forward-looking scenarios were strengthend, as well as ZRe's risk appetite framework was extended.

Valuation

Assets and liabilities are derived and valued in accordance with FINMA guidelines and are then matched to calculate the Available Financial Resources (AFR) in ZRe's market consistent balance sheet (MCBS).

Solvency

ZRe assesses its solvency under the Swiss Solvency Test (SST), which is a principle-based, risk sensitive supervision framework. ZRe's SST ratio as of December 31, 2017, was 430 percent.

2. Approval of the Financial Condition Report

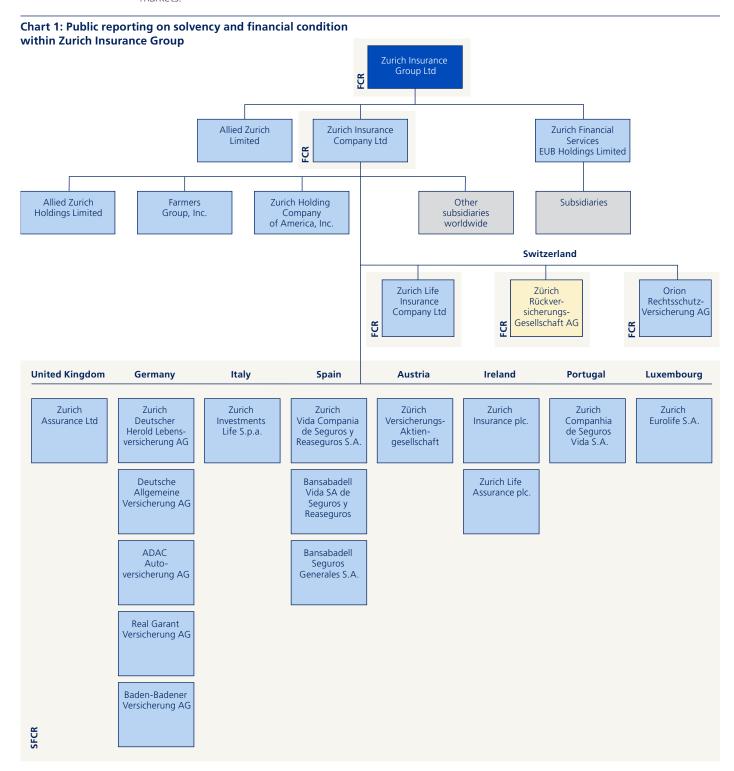
This report was reviewed and signed-off by the Board of Directors (Board) of Zurich Reinsurance Company Ltd on April 18, 2018.

Zurich Reinsurance Company Ltd Financial Condition Report 2017 7

A. Business activities

A.1 Legal structure and major subsidiaries and branches

ZRe is part of the Zurich Insurance Group, a leading multi-line insurer that serves its customers in global and local markets



SFCR: Solvency and Financial Condition Report (Solvency II; from 2016) **FCR:** Financial Condition Report (Swiss regulation; from 2017)

☐ Subsidiary ☐ Group of subsidiaries ☐ Current disclosure

Note: The purpose of the chart above is to provide a simplified overview of the Group's major subsidiaries (as reported at April 30, 2018), with special focus on the public reporting of their solvency and financial condition. Please note that this is a simplified representation showing entities that must publish such a report and therefore it may not comprehensively reflect the detailed legal ownership structure of the entities included in the overview. The ordering of the legal entities under each country is not indicative of ownership; these are independent legal entities.

A. Business activities continued

ZRe is a 100 percent subsidiary of ZIC, which in turn is wholly owned by Zurich Insurance Group Ltd, the ultimate holding company.

A.2 Information about the company's strategy, objectives and key business segments

ZRe's strategy is to actively facilitate an optimal capital and risk management strategy through intra-group reinsurance. It aims to provide capacity for customers while protecting the balance sheet, managing earnings volatility and achieving capital efficiency.

ZRe's main activity is assuming property and casualty risks from affiliated companies of the Group. ZRe retains a certain number of treaties.

ZRe's strategy is tailored to customers and product propositions as follows:

- Zurich branches and subsidiaries: provides risk and solvency relief by way of treaty reinsurance.
- Zurich's international program business: supports this global product proposition by assuming reinsurance from mostly local Zurich branch offices issuing local policies and retroceding such business to the Zurich 'producing company' or to a central Zurich balance sheet (the 'clearing house').
- Group D&O and E&O: co-participates in certain parts of the Zurich Group D&O/E&O reinsurance program.
- Run-off book of insurance and reinsurance liabilities: manages the run-off of a clearly identified book of businesses that is no longer written by ZRe.

A.3 Information about the company's external auditors as per article 28 ISA 8

PricewaterhouseCoopers AG (PwC), Birchstrasse 160, in 8050 Zurich, is ZRe's external auditor.

PwC assumes all auditing functions which are required by law and by the ZRe's articles of association. The external auditors are appointed by the shareholder of ZRe annually. At ZRe's Annual General Meeting on April 11, 2017, PwC was re-elected by the shareholder of ZRe.

A.4 Significant unusual events

There have been no significant unusual events in 2017 and 2016, respectively.

Zurich Reinsurance Company Ltd Financial Condition Report 2017

B. Performance

ZRe reported a net income after taxes of CHF 54 million for 2017 and CHF 12 million for the three months from October 1, 2016, to December 31, 2016. The results in 2017 were marginally higher than planned, driven by strong performance of some of the assumed reinsurance business.

For a comparison of ZRe's results between 2017 and 2016, it has to be taken into account that 2017 comprises 12 months and 2016 is limited to the three months from October to December in 2016.

The investment income result was driven by a combination of third-party invested assets and affiliate loans, and developed in line with expectations.

B.1 Underwriting performance

Business emanated primarily from three sources:

- Reinsurance of the Group's entities in Asia Pacific, mainly business assumed from ZIC's Japan branch (resulted in 69 percent of total gross written premiums and policy fees), which primarily originated from quota share reinsurance for the personal accident and motor business. In 2017, the business assumed from ZIC's Asian branches both the quota share reinsurance for the Japan motor as well as for the Hong Kong business was expanded, and led to an increase in gross written premiums and policy fees.
- International program business (28 percent of total gross written premiums and policy fees), through which ZRe supports the Group's international program business propositions for its corporate and commercial clients. This insurance risk is retroceded to ZIC and not retained in ZRe.
- The run-off business continued to be managed carefully and had a minimal impact on the overall underwriting performance. The negative result impact of the direct Swiss business in 2016 was due to a reserve strengthening required under FINMA's rules.

Key markets

Gross written premiums and policy fees were generated primarily from two areas:

- Reinsurance of the Group's entities in Asia Pacific, mainly business assumed from ZIC's Japan branch (69 percent of total gross written premiums and policy fees), which primarily originated from quota share reinsurance from the personal accident and motor business. This reinsurance risk is retained in ZRe.
- International programs business (28 percent of total gross written premiums and policy fees), through which ZRe supports the Group's international programs propositions for its corporate and commercial clients. This insurance risk is retroceded to ZIC and not retained in ZRe.

B. Performance continued

B.2 Investment performance

Investment income by category

in CHF millions, for the twelve and	Current income		Realized o	Realized capital gains		Write-ups		
three months ended December 31, respectively	2017	2016	2017	2016	2017	2016	2017	2016
Investments in subsidiaries								
and associates	-	_	-	_	-	-	-	_
Debt securities	5	1	1	_	_	-	7	1
Other loans	4	1	_	_	_	_	4	1
Other investments	_	_	_	_	_	_	_	_
Investment income	9	2	2	_	_	_	11	2

Investment expenses by category

in CHF millions, for the twelve and three months ended December	Realized capital losses		Write-downs			Totals
31, respectively	2017	2016	2017	2016	2017	2016
Investments in subsidiaries and associates	-	_	-	-	-	_
Debt securities	(1)	_	-	-	(1)	_
Other loans	_	_	_	_	_	_
Other investments	_	_	_	_	_	_
Subtotal investment expenses	(1)	_	_	_	(1)	_
Investment general expenses	n.a.	n.a.	n.a.	n.a.	_	_
Investment expenses	(1)	_	_	_	(1)	_

ZRe's net investment income (including realized capital gains and losses as well as write-ups and write-downs) for the period from January 1, 2017, to December 31, 2017, was CHF 10.93 million. This result was against a backdrop of rising yields for sovereign bonds in the United States of America (U.S.), alongside further compression in credit spreads. Realized gains for this period were in the order of CHF 1.66 million, whilst the realized losses on debt securities and other investments were CHF 1.06 million, directly attributed to changes in the yield curve. Investment expenses were in line with plan. In keeping with the wider Group practices, the asset management function remained outsourced to a third-party provider.

The U.S. Treasury yield curve flattened over the course of 2017, on the expectation, and ultimate realization of Federal Reserve interest rate rises (alongside expectations for further increases into 2018). The short end of the Treasury yield curve rose from 0.42 percent to 1.23 percent (an 81 basis points widening) over the period. Conversely, the long end of the curve, as defined by 30 year Treasuries declined in yield terms from 3.07 percent to 2.74 percent); resulting in a flattening of the aggregate yield curve. U.S. investment grade credit continued to appreciate, as the option adjusted spread declined from 1.23 percent to 0.93 percent, reflecting continued strong demand for yields.

B.3 Intra-group events and transactions

Transactions in 2017

There were no material intra-group events or transactions not mentioned otherwise in this report.

Zurich Reinsurance Company Ltd Financial Condition Report 2017

C. Corporate governance and risk management

C.1 Corporate governance

The Zurich Insurance Group consisting of Zurich Insurance Group Ltd and its subsidiaries including ZRe is committed to effective corporate governance for the benefit of its shareholders, customers, employees and other stakeholders based on the principles of fairness, transparency and accountability. Structures, rules and processes are designed to provide proper organization and conduct of business by the powers and responsibilities of its corporate bodies and employees.

Zurich uses the three-lines-of-defense model in its approach to governance and enterprise risk management. Zurich's three-lines-of-defense approach runs through Zurich's governance structure, so that risks are clearly identified, assessed, owned, managed and monitored. For further information please see Zurich Insurance Group's Annual Report 2017, page 74.

At ZRe, various governance and control functions help to ensure that risks are identified and appropriately managed. Internal controls are in place and operating effectively. Although each governance and control function maintains its distinct mandate and responsibilities, the functions are closely aligned and co-operate with each other through a regular exchange of information, planning and other activities. This approach supports management in its responsibilities and provides confidence that risks are appropriately addressed and that adequate mitigation actions are implemented.

The Board, under the leadership of the Chairman, is responsible for determining the overall strategy of ZRe and the supervision of management. It holds the ultimate decision-making authority for ZRe, except for decisions on matters reserved for the shareholder.

The members of the Board are elected by the annual general meeting (AGM) in accordance with CO article 698. The Board constitutes itself in its first meeting after the AGM.

Board of Directors (as of December 31, 2017)

Board of Directors	Expiration of current term of office
Juan Beer, Chairman	2018
Christian Felderer	2018
Christian Carl	2018
Andres Christen, Corporate Secretary	

Management	Position held
Markus Meier	Chief Executive Officer
Elena Kuratli	Chief Financial Officer
Roger Oberholzer	Chief Underwriting Officer
Nikolaos Giagiozis	Appointed Actuary

There were no key governance developments in 2017.

C. Corporate governance and risk management continued

C.2 Risk management

C.2.1 Risk management framework

Taking risk is inherent to the insurance business, but such risk-taking needs to be made in an informed and disciplined manner, and within a pre-determined risk appetite and tolerance.

ZRe's major risk management objectives are to:

- Support achievement of the company's strategy to protect capital, liquidity, earnings and reputation by monitoring that risks are taken within ZRe's risk tolerance.
- Enhance value creation by embedding disciplined risk taking in the ZRe culture and contributing to an optimal risk-return profile where risk reward trade-offs are transparent, understood, and risks are appropriately rewarded.
- Efficiently and effectively diversify risk and mitigate unrewarding risks.
- Encourage openness and transparency to enable effective risk management.
- Support decision-making processes by providing consistent, reliable and timely risk information.
- Protect ZRe's reputation and brand by promoting a sound culture of risk awareness, and disciplined and informed risk-taking.

The enterprise risk management (ERM) framework supports the achievement of ZRe's strategy and helps protect capital, liquidity, earnings and reputation. The risk management framework is based on a governance process that sets forth clear responsibilities for taking, managing, monitoring and reporting risks.

The Zurich Risk Policy is the Group's main risk governance document and therefore fully applies to ZRe. It sets standards for effective risk management throughout the Group. The policy describes Zurich's risk management framework, identifies Zurich's principal risk types and defines Zurich's appetite for risks at Group level. Risk-specific policy manuals provide guidelines and procedures to implement the principles in the Zurich Risk Policy. Ongoing assessments verify that requirements are met.

ZRe regularly reports on its risk profile. ZRe has procedures to refer risk issues to executive management and the Board in a timely way. ZRe Board receives quarterly risk reports and risk updates to foster transparency about risk.

ZRe assesses risks systematically and from a strategic perspective through its proprietary Total Risk Profiling™ (TRP) process, which allows ZRe to identify and evaluate the probability and severity of a risk scenario. Management then develops, implements and monitors improvements. The TRP process is integral to how ZRe identifies risks and is particularly suited to evaluate strategic risks as well as risks to Zurich's reputation. For ZRe, this process is ongoing, with regular reviews with executive management. Findings are also shared with the Board.

ZRe has a defined risk appetite. The risk appetite sets the limits for capital and non-financial indicators as well as an overall tolerance based on the TRP methodology. Monitoring and escalation procedures are outlined in the Risk Appetite Statement. The Risk Appetite Statement for ZRe is reviewed by executive management and signed-off by the Board at least on an annual basis, and adjusted if deemed necessary. As part of the ERM, the risk management function calculates annual risk tolerance limits and evaluates actual and potential breaches; the overall responsibility is with executive management.

C.2.2 Risk management organization

The ZRe Chief Risk Officer (CRO) leads the risk management function which provides risk governance mechanisms to assess and manage risks effectively and efficiently with clear accountabilities, roles and responsibilities that enable disciplined risk-taking. The CRO is responsible for the risk oversight, and regular reporting on risk matters to the CEO, executive management and the Board.

The ZRe risk management team is part of Zurich's Group Risk Management organization. The risk organization is independent of the business by being a vertically integrated function where all risk employees globally directly report into the Group CRO. Risk officers are embedded in the business, positioning them to support and advise, and independently challenge, business decisions from a risk perspective. As business advisers on risk matters, the risk officers, equipped with technical risk skills as well as business skills, help foster a risk-aware culture in the business.

C.3 Internal control system

ZRe considers controls to be key instruments for managing operational risk. The Board has overall responsibility for ZRe's risk management and internal control frameworks, in particular for their adequacy and integrity. The internal control system increases the reliability of ZRe's financial reporting, makes operations more effective, and aims to ensure legal and regulatory compliance. The internal controls system is designed to mitigate rather than eliminate the material risk that business objectives might not be met. It provides reasonable assurance against material financial misstatements and operational losses.

ZRe promotes risk awareness and encourages understanding of controls through communication and training. Primary risk management and internal control systems are designed at Group level and implemented Group-wide. Management, as the first-line-of-defense, is responsible for identifying, evaluating and addressing significant risks, and designing, implementing and maintaining internal controls. Key processes and controls in the organization are subject to reviews by management, Group Risk Management, Group Compliance, and Group Audit. Significant risks and associated mitigation actions are reported regularly to the management and the Board. In 2017, the Group further enhanced specific areas of the internal control framework, focusing on significant financial reporting controls as well as controls to ensure the integrity of Zurich.

Internal control system certification audits are conducted regularly. Significant controls are assessed for their design and operating effectiveness. Issues identified are communicated to the Board. ZRe risk management has assessed the effectiveness of the risk management framework and system of controls over the financial reporting for the calendar year 2017 and has presented its report to the Board.

The internal and external auditors also regularly report observations, conclusions and recommendations that arise as a result of their independent reviews and testing of internal controls over financial reporting and operations.

C.4 Compliance

ZRe is committed to complying with applicable legal, regulatory and internal requirements, professional and industry standards. Accordingly, the Group's core values are founded on the principle that it acts lawfully and seeks to do what is right. The compliance function is as control function responsible for:

- Delivering compliance solutions by providing expertise regarding the management and maintenance of policies, practical guidance, training and controls and processes relating to compliance risks.
- Providing assurance, as part of the second line of defense, to management that compliance risks within the scope of the function are appropriately identified and managed.
- Assisting management to promote the ethics-based foundation of Zurich's corporate culture.

The operationalization of the compliance framework relies on regular global compliance risk and assurance assessments, which support the compliance function's risk-based strategic and annual planning conducted in consultation with business partners as well as its monitoring activities. Through a comprehensive program, the compliance function implements, embeds and monitors internal compliance policies and guidelines. As part of this program, compliance officers introduce new employees to applicable rules and are involved in the integration of newly acquired companies. To help employees understand their responsibilities under Zurich's code of conduct and internal compliance policies, all employees receive yearly ethical and compliance training. In addition, each year all Zurich employees confirm their understanding of, and compliance with Zurich's code of conduct and internal policies. Zurich encourages its employees to speak up and report improper conduct that they believe is illegal, unethical, or violates Zurich's code of conduct or our Zurich Insurance Group's policies. Employees are free to report their concerns to management, Human Resources, Zurich Insurance Group's legal department, its compliance function, or through the Zurich Ethics Line (or similar service provided locally), a phone and web-based service run by an external specialist provider. Zurich does not tolerate retaliation against any employee who reports such concerns in good faith.

ZRe's compliance function consists of an appointed compliance officer. ZRe's Compliance Officer has a direct line to the Chairman of the Board and a vertically integrated reporting line to the Group compliance function. The ZRe Compliance Officer provides regularly compliance updates to the management team and the Board of ZRe. A regular reporting to the Group compliance function takes place as well.

C. Corporate governance and risk management continued

C.5 Internal audit function

The internal audit function, Group Audit (GA), is responsible for providing independent and objective assurance to the Board, the CEO and management, on the adequacy and effectiveness of the Group's risk management, internal control and governance processes.

GA's approach is to develop and deliver an annual risk based audit plan, which is regularly updated as risks change. The audit plan takes into account the full spectrum of business risks, including concerns and issues raised by the Board, management and other stakeholders. The Board approves the annual plan and any changes thereto are reported to the Board.

GA executes the plan in accordance with the GA Principles Based Engagement Standards, which incorporate and comply with international standards for the practice of internal auditing, issued by the Institute of Internal Auditors (IIA).

Audit staff are expected to be independent and objective in all assignments and to do nothing that might prejudice or be perceived as prejudicing independence or objectivity. No GA employee reports to or is directly accountable to a business unit or function.

GA is authorized to review all areas and has full, free and unrestricted access to all activities, accounts, records, property and personnel necessary to fulfill its duties. In the course of its work, GA takes into consideration the work of other assurance functions. In particular, GA coordinates its activities with external auditors, sharing risk assessments, work plans, audit reports and updates on audit actions.

GA is responsible for ensuring that issues identified that could impact ZRe's operations are communicated to the responsible management, CEO and the Board. GA issues periodic reports to management and the Board, summarizing audit findings, the status of corrective actions and the status of plan execution. A member of GA attends each Board meeting.

The Board assesses the independence of GA and reviews its activities, plans and organization, the quality of its work and its cooperation with external auditors. As required by the IIA International Standards, an independent qualified assessor reviews the quality of Group Audit at least every five years. This review was conducted most recently in 2016.

Zurich Reinsurance Company Ltd Financial Condition Report 2017

D. Risk profile

Risk and capital are managed at ZRe according to the Group's framework. The principles of the Zurich's enterprise risk management described in this chapter are equally applicable to ZRe.

The significant risks for ZRe, as measured by the SST target capital, are premium and reserve, market and credit risk. ZRe's risk profile is largely a function of the risks written by the affiliated assumed business. The reinsurance credit risk is mainly related to the retrocession to ZIC.

D.1 Insurance risk

Insurance risk is the inherent uncertainty regarding the occurrence, amount or timing of insurance liabilities. The profitability of insurance business is also susceptible to business risk in the form of unexpected changes in expenses, policyholders' behavior, and fluctuations in new business volumes. As part of the underwriting process of affiliated companies, part of the exposure is transferred to ZRe. ZRe actively seeks to write those risks it understands and that provide a reasonable opportunity to earn an acceptable profit. ZRe manages the customer risks it assumes, and minimizes unintended underwriting risks, through such means as:

- Establishing limits for underwriting authority.
- Requiring specific approvals for transactions above established limits or new products.
- Using a variety of reserving and modeling methods.
- Ceding insurance risk through external proportional or non-proportional reinsurance treaties and facultative single-risk placement. The Group centrally manages reinsurance treaties.

Property and casualty insurance risk

Property and casualty insurance risk comprises premium and reserve risk, and business risk. Premium and reserve risk covers uncertainties in the frequency of the occurrence of the insured events as well as in the severity of the resulting claims. Business risk for property and casualty insurance predominantly relates to unexpected increases in the expenses relating to claims handling, underwriting, and administration. The following provides an overview of the ZRe's main lines of business:

- Motor includes automobile physical damage, loss of the insured vehicle and automobile third-party liability insurance.
- Property includes fire risks (e.g., fire, explosion and business interruption), natural perils (e.g., earthquake, windstorm and flood), engineering lines (e.g., boiler explosion, machinery breakdown and construction) and marine (e.g., cargo and hull).
- Liability includes general/public and product liability, excess and umbrella liability, professional liability including medical malpractice, and errors and omissions liability.
- Special lines include directors and officers, credit and surety, crime and fidelity, accident and health, workers' compensation and employer's liability.

ZRe's underwriting strategy aims to take advantage of the diversification of property and casualty insurance risks across lines of business and geographic regions.

Underwriting discipline is a fundamental part of managing insurance risk. ZRe sets limits on underwriting capacity, and delegates authority to individuals based on their specific expertise.

Actual losses on claims provisions may be higher or lower than anticipated. Property and casualty insurance reserves are therefore regularly estimated, reviewed and monitored. The total loss and loss adjustment expense reserves are based on work performed by qualified and experienced actuaries.

To arrive at their reserve estimates, the actuaries take into consideration, among other things, the latest available facts, historical trends and patterns of loss payments, exposure growth, court decisions, economic conditions, inflation, and public attitudes that may affect the ultimate cost of claim settlement.

To ensure a common understanding among the functions for financial, underwriting and pricing decisions ZRe has established continuous cross-functional collaboration between underwriting, actuarial (pricing and reserving), finance and risk management underpinned by quarterly meetings.

D. Risk profile continued

In most cases, these actuarial analyses are conducted at least twice a year for on-going business and annually for business in run-off according to agreed timetables. Analyses are performed by treaty types and terms, ceding countries, lines of business and year of occurrence. As with any projection, claim reserve estimates are inherently uncertain due to the fact that the ultimate liability for claims will be affected by trends as yet unknown, including future changes in the likelihood of claimants bringing suit, the size of court awards, and claimants' attitudes toward settlement of their claims.

In addition to the specific risks insured, ZRe is exposed to losses that could arise from natural and man-made catastrophes. The main concentrations of risks arising from such potential catastrophes are regularly reported to executive management and the Board. For ZRe the most important peril region on a net basis is Japan, mainly related to personal accident and motor business.

The table shows ZRe's concentration of risk by region and line of business based on assumed written premiums for the year 2017, before retrocession. Retroceded premiums amounted to CHF 402.7 million for the same period.

_			40.00			100	
•	\cap n	COL	itrati	ION.	OT	rici	7
~	OI.	ıceı	ıuau	IUI I	\mathbf{o}	1131	N

in CHF millions, as of December 31, 2017	Accident	Property	Motor	Liability	Other Lines	Total
Japan	202.3	37.5	169.9	10.7	13.4	433.8
Rest of Asia	53.1	57.7	11.1	29.4	28.1	179.4
USA/Canada	0.0	70.3	1.4	10.0	5.2	86.9
Others	0.9	65.2	0.1	5.5	3.1	74.8
Total	256.3	230.7	182.5	55.6	49.8	774.9

D.2 Market risk including investment credit risk

Market risk is the risk associated with the ZRe's balance sheet positions where the value or cash flow depends on financial markets.

Risk factors include:

- Interest rate risk
- Credit and swap spread changes
- Issuer defaults
- Currency exchange rates

ZRe has outsourced investment management to the Group which manages the market risk of assets relative to liabilities on an economic total balance sheet basis. This is done to achieve the maximum risk-adjusted excess return on assets relative to the liability benchmark, while taking into account ZRe's risk appetite and tolerance and local regulatory constraints.

ZRe's Asset/Liability Management Investment Committee reviews and monitors ZRe's strategic asset allocation and tactical boundaries, and monitors asset/liability exposure. The economic impact of potential extreme market moves is regularly examined and considered when setting the asset allocation.

Risk from interest rates and credit spreads

Interest rate risk is the risk of loss resulting from changes in interest rates, including changes in the shape of yield curves. ZRe is exposed to interest-rate risk including from debt securities, reserves for insurance contracts, liabilities for investment contracts, and loans and receivables.

ZRe has limits on deviations of asset interest rate sensitivities from liability interest rate sensitivities. The Group also manages credit-spread risk, which describes the sensitivity of the values of assets and liabilities due to changes in the level or the volatility of credit spreads over risk-free interest rate yield curves. Movements of credit spreads are driven by supply and demand considerations, expected probability of default, expected losses in cases of issuer defaults, the uncertainty of default probabilities and losses, as well as actual defaults of issuers.

Zurich Reinsurance Company Ltd Financial Condition Report 2017 D. Risk profile 17

D.2.1 Analysis of market risk sensitivities for interest rate, equity and credit spread risks

Basis of presentation

The basis of the presentation for the following tables is an economic valuation represented by the fair value for investments. IFRS insurance liabilities are discounted at risk-free market rates to reflect the present value of insurance liability cash flows and other liabilities.

The tables show the estimated economic market risk sensitivities of the net impact for ZRe. Positive values represent an increase in the balance, and values in parentheses represent a decrease. Mismatches in changes in value of assets relative to liabilities represent an economic risk to ZRe. The net impact – the difference between the impact on investments and liabilities – represents the economic risk that ZRe faces related to changes in market risk factors.

In determining sensitivities, investments and liabilities are fully re-valued in the given scenarios. Each instrument is re-valued separately, taking the relevant product features into account. Non-linear effects, where they exist, are reflected in the model. Sensitivities are shown gross of tax.

Analysis of economic sensitivities for interest rate risk

The following table shows the estimated impact of a 100 basis point increase/decrease in yield curves after consideration of hedges in place, as of December 31, 2017 and 2016.

Economic interest rate sensitivities

in USD millions as of December 31	2017	2016
100 basis point increase in the interest rate yield curves		
Net impact before tax	(3.4)	(7.8)
100 basis point decrease in the interest rate yield curves		
Net impact before tax	3.3	7.7

Analysis of economic sensitivities for equity risk

Not applicable as there is no equity exposure.

Analysis of economic sensitivities for credit spread risk

The following table shows the estimated impacts from a 100 basis points increase in corporate credit spreads, as of December 31, 2017 and 2016. The sensitivities apply to all fixed income instruments, excluding government, supranational and similar debt securities.

Economic credit
snread sensitivities

in USD millions as of December 31	2017	2016
100 basis point increase in credit spread		
Net impact before tax	(4.6)	(3.9)

D. Risk profile continued

D.2.2 Risk from defaults of counterparties

Debt securities

ZRe is exposed to credit risk from third-party counterparties where the company holds securities issued by those entities

Debt securities by rating of issuer

as of December 31	2017		2016	
	CHF millions	% of total	CHF millions	% of total
Rating				
AA- and higher	168	56%	177	62%
A- up to including A+	61	20%	36	13%
BBB+ and lower	71	24%	73	26%
Unrated	_	_	_	_
Total	300	100%	286	100%

The table shows the credit risk exposure of debt securities (Swiss local statutory valuation), by issuer credit rating. As of December 31, 2017, 100 percent of the ZRe's debt securities were investment grade with 30 percent rated 'AAA.'

The risk-weighted average issuer credit rating of the ZRe's debt securities portfolio was 'A' at December 31, 2017 and 'A' at December 31, 2016.

As of December 31, 2017, the largest concentration in the ZRe's debt securities portfolio was in governments, government agencies and supernationals (46 percent) and U.S. government treasuries (21 percent). As of December 31, 2016, the largest concentration in the ZRe's debt securities portfolio was in governments, government agencies and supernationals (42 percent) and U.S. government treasuries (24 percent).

Cash and cash equivalents

To reduce concentration, settlement and operational risks, ZRe limits the amount of cash that can be deposited with a single counterparty. ZRe applies the authorized list of acceptable cash counterparties maintained by the Group.

Cash and cash equivalents amounted to CHF 467.9 million as of December 31, 2017, and CHF 936.3 million as of December 31, 2016.

Mortgage loans

None

D.2.3 Risk from currency exchange rates

Currency risk is the risk of loss resulting from changes in exchange rates. Management deems that the risk from currency exchange rates is low based on the following:

- ZRe aims to have matching assets to liabilities with respect to currencies.
- ZRe's retrocession arrangements are for the most part aligned with the currency of the business assumed.
- ZRe mitigates foreign exchange risk by hedging material foreign exchange using forward contracts with ZIC.

The foreign exchange risk management policy for ZRe is consistent with the policies in all other Group subsidiaries and follows a standardized process aimed at mitigating and managing the foreign currency exposures at Group level and the legal entity level.

The Group, as outlined in its risk policy manual defines clear responsibilities, rules, limits and reporting requirements for managing foreign exchange risk. ZRe is a Swiss legal entity regulated in Switzerland and reports in CHF to FINMA. ZRe is part of the Zurich Insurance Group, which reports consolidated results according to IFRS in U.S. dollars.

Zurich Reinsurance Company Ltd Financial Condition Report 2017 D. Risk profile 19

ZRe measures its foreign exchange exposures in accordance to the following principles:

- All assets and liabilities are valued in the balance sheet at their IFRS accounting values attributed to their transaction currency.
- ZRe only hedges foreign exchange risk with ZIC.
- All internal hedges are performed back to the currency of the underlying unit.

D.3 Other credit risk

Credit risk is the risk associated with a loss or potential loss from counterparties failing to fulfill their financial obligations. ZRe's exposure to other credit risk is derived from the following main categories of assets:

- Reinsurance assets
- Receivables

ZRe's objective in managing credit risk exposures is to maintain these exposures within parameters that reflect the Group's strategic objectives, risk appetite and tolerance. Credit risk sources are assessed and monitored.

ZRe's primary reinsurer is its parent company ZIC, which has a Standard & Poor's rating of AA-.

ZRe has minimal third-party reinsurance and the majority of such reinsurance is with well-capitalized global reinsurers.

ZRe has no history of having material impairment issues related to reinsurance assets and receivables. Management reviews all third-party balances for impairment on a quarterly basis, and a credit impairment allowance has been booked accordingly.

ZRe had no off-balance sheet positions as of December 31, 2017.

D.4 Operational risk

Operational risk is the risk of loss resulting from inadequate or failed internal processes, people, systems or from external events such as external fraud, catastrophes, or failure in outsourcing arrangements.

Zurich has a comprehensive framework with a common approach to identify, assess, quantify, mitigate, monitor and report operational risks. Within this framework, ZRe:

- Documents and reviews loss events exceeding a threshold determined by the Zurich Risk Policy. Remedial actions are taken to avoid a recurrence of such operational loss events.
- Conducts risk assessments where operational risks are identified for key business areas. Risks identified and assessed above a certain threshold must be mitigated. Risk mitigation plans are documented and tracked on an ongoing basis. In the assessments, ZRe uses such sources of information as the Total Risk Profiling™ process, internal control assessments, audit findings, as well as scenario modeling and loss event data.

Zurich has specific processes and systems in place to focus on high-priority operational matters such as managing information security and third-party suppliers, as well as combating fraud.

Preventing, detecting and responding to fraud are embedded in Zurich's business. Both claims and non-claims fraud are included in the framework for assessing and managing operational risks.

Management, as the first-line-of-defense, is responsible for identifying, evaluating and addressing significant risks, and for designing, implementing and maintaining internal controls. Key processes and controls in the organization are subject to reviews by management, Group Risk Management, Group Compliance, and Group Audit. Significant risks and associated mitigation actions are reported regularly to the Board.

The internal and external auditors also regularly report conclusions, observations and recommendations that arise as a result of their independent reviews and testing of internal controls over financial reporting and operations.

D. Risk profile continued

D.5 Liquidity risk

Liquidity risk is the risk that ZRe may not have sufficient liquid financial resources to meet its obligations when they fall due, or would have to incur excessive costs to do so. ZRe's policy is to maintain adequate liquidity and contingent liquidity to meet its liquidity needs under normal conditions and in times of stress. To achieve this, ZRe assesses, monitors and manages its liquidity needs on an ongoing basis.

ZRe has material cash pooling balances with ZIC that can be drawn upon immediately to meet liquidity needs. Additionally, ZRe's investment portfolios are primarily invested in highly liquid securities.

D.6 Other material risks

D.6.1 Strategic risk

Strategic risk corresponds to the risk that ZRe is unable to achieve strategic targets. Strategic risks can arise from:

- Inadequate assessment of strategic plans
- Ineffective implementation of strategic plans
- Unexpected changes to assumptions underlying strategic plans

ZRe defines the strategy as the long-term plan of action designed to allow it to achieve its goals and aspirations.

ZRe works to reduce unintended risks of strategic business decisions through its risk assessment processes and tools, including the Total Risk Profiling[™] (TRP) process. As part of the regular TRP process, in 2017 the management assessed the key strategic risk scenarios, looking at 2018 and beyond. The ZRe TRP identified and assessed risks from both external and internal factors. Key strategic risks are counterparty dependency, adequate pricing, sufficient reserving and regulatory compliance.

D.6.2 Risk to ZRe's reputation

Risks include acts or omissions by ZRe or any of its employees that could damage ZRe's reputation or lead to a loss of trust among its stakeholders. Every risk type has potential consequences for ZRe's reputation. Effectively managing each type of risk helps reduce threats to ZRe's reputation.

ZRe aims to preserve its reputation by adhering to applicable laws and regulations, and by following the core values and principles of Zurich's code of conduct, which promotes integrity and good business practice.

Zurich Reinsurance Company Ltd Financial Condition Report 2017 21

E. Valuation

E.1 Overarching valuation principle

As an overarching principle, for SST purposes all assets and liabilities are valued in accordance with economic principles in a market-consistent manner and their valuation is presented in the MCBS. In general, unless stated otherwise, the MCBS applies the same fair value measurement and hierarchy as the Group IFRS consolidated annual financial statement. In such cases, fair value is determined on a best estimate valuation using assumptions and parameters as defined by FINMA, or based on management's judgment.

In summary, the following valuation hierarchy applies for assets:

- i. Mark-to-market: for third-party assets
- ii. Mark-to-model: in case mark-to-market cannot be applied
- iii. IFRS carrying value

FINMA stipulates that the SST MCBS value of all insurance and non-insurance liabilities shall be determined under the assumption that ZRe will fulfill its obligation in full, thus, own credit risk is not considered.

E.2 Market consistent balance sheet following SST principles

Asset valuation MCBS vs local Swiss statutory

Total market-consistent value of assets	1.594.4	1.662.4	(68.0)	1,305.3	289.1
iotal other assets	1,206.2	1,268.8	(62.7)	693.3	512.9
Other assets Total other assets	19.7	31.0	(11.3)	323.0 893.3	(303.4) 312.9
Other receivables	31.0	59.7	(28.7)	31.0	(202.4)
Receivables from insurance business	72.2	117.0	(44.8)	71.4	0.8
Cash and cash equivalents	1,083.3	1,061.1	22.1	467.9	615.4
Market-consistent value of other assets					
Receivables from derivative financial instruments	7.2	11.4	(4.2)	7.2	
insurance	_		_		_
Financial investments from unit-linked life					
Total investments	381.0	382.1	(1.1)	404.8	(23.8)
Other investments	6.7	7.5	(0.8)	6.9	(0.2)
Alternative investments	-		-	_	_
Collective investment schemes	_		_	_	_
Other investments	6.7	7.5	(0.8)	6.9	(0.2)
Equities	_	_	_	_	_
Mortgages	_	_	-	_	_
Loans	97.6	110.4	(12.8)	97.6	_
Fixed income securities	276.7	263.8	12.9	300.3	(23.6)
Shareholdings	0.0	0.3	(0.3)	0.0	0.0
Market-consistent value of investments					
	2017 (SST)	2016 (SST)	2016 (SST)	Swiss stat)	(2017)
			Difference to	2017 (local	local Swiss stat
In CHF millions, as of December 31					Difference SST to

E. Valuation continued

Best estimate liabilities and other liabilities MCBS vs. local Swiss statutory

In CHF millions, as of December 31	2017 (SST)	2016 (SST)	Difference to 2016 (SST)	2017 (local Swiss stat)	Difference SST to local Swiss stat (2017)
Best estimate liabilities (BEL)					
Best estimate of insurance liabilities	913.8	1,015.8	(102.0)	1,082.7	(168.9)
Direct insurance: life insurance business					
(excluding ALV)	_		-	_	_
Direct insurance: non-life insurance business	53.7	74.3	(20.6)	79.8	(26.1)
Direct insurance: health insurance business	_				_
Direct insurance: unit-linked life insurance					
business	_				_
Direct insurance: other business	_		_		_
Outward reinsurance: life insurance business					
(excluding ALV)	_		-		_
Outward reinsurance: non-life insurance					
business	860.1	941.5	(81.4)	1,002.9	(142.8)
Outward reinsurance: health insurance business	_	_	-	_	_
Outward reinsurance: unit-linked life insurance					
business	_	_	_	_	_
Outward reinsurance: other business	-	_	-	_	_
Reinsurers' share of best estimate of					
insurance liabilities	(632.4)	(755.5)	123.1	(756.3)	123.9
Direct insurance : life insurance business					
(excluding ALV)	-			_	_
Direct insurance: non-life insurance business	(14.6)	(27.3)	12.7	(24.0)	9.4
Direct insurance: health insurance business	_				_
Direct insurance : unit-linked life insurance					
business	_			_	_
Direct insurance: other business	_				_
Outward reinsurance: life insurance business					
(excluding ALV)	_	_	-	_	_
Outward reinsurance: non-life insurance					
business	(617.8)	(728.1)	110.4	(732.3)	114.5
Outward reinsurance: health insurance business	_	_	-	_	_
Outward reinsurance: unit-linked life insurance					
business	_	_	-	_	_
Outward reinsurance: other business	_		-	_	_
Market consistent value of other liabilities					
Non-technical provisions	_	_	-	5.8	(5.8)
Interest-bearing liabilities	_	7.6	(7.6)	89.5	(89.5)
Liabilities from derivative financial instruments	5.7	3.4	2.4	5.7	_
Deposits retained on ceded reinsurance	0.2	1.3	(1.2)	0.2	_
Liabilities from insurance business	19.7	54.5	(34.8)	19.7	_
Other liabilities	834.7	753.4	81.3	130.0	704.7
Total BEL plus market-consistent value of					
other liabilities	1,141.8	1,080.5	61.3	577.3	564.4
Market consistent value of assets minus total					
BEL plus market-consistent value of other					

Zurich Reinsurance Company Ltd Financial Condition Report 2017 E. Valuation 23

E.2.1 Investments

Debt securities are carried at amortized cost using the effective interest rate method under Swiss local statutory accounting principles. The carrying value as of December 31, 2017, amounted to CHF 300.3 million. As of December 31, 2016, ZRe held debt securities in the amount of CHF 285.8 million.

Loans in ZRe amounted to CHF 97.6 million as of December 31, 2017, and CHF 110.4 million as of December 31, 2016, under Swiss local statutory accounting principles and consist only of loans with other Group companies.

E.2.2 Insurance liabilities

E.2.2.1 Methodology for best estimates of losses and loss expense reserves

Reserves for losses (i.e., case reserve, actuarial IBNR, management IBNR, reserve strength IBNR as well as allocated/unallocated loss adjustment expenses) are held at best estimate under IFRS. Such best estimate includes recoverables for salvage and subrogation. However, most of these reserves are not discounted. The valuation for Swiss local statutory accounting principles is the same, and requested regulatory equalization provisions are held additionally.

The MCBS value for loss and loss expense reserves is discounted using swap rates by currencies' balances although using FINMA predefined yield curves for AFR SST calculations.

E.2.2.2 Methodology for other reserves (e.g. unearned premium reserves)

Generally, ZRe recognizes unearned premium reserve (UPR) upon start of the coverage period. Typically, this includes one year of premiums invoiced (i.e., also for multi-year policies generally only the first year premium is recognized and not the entire contractual future premium volume due in future reporting periods). There are no differences to the Swiss local statutory accounting principles.

The MCBS value for UPR reflects the discounted costs of insurance (using swap rates by currencies balances although using FINMA predefined yield curves for AFR SST calculations). Costs of insurance includes expected future loss reserves (including loss adjustment expenses) and administration expenses that can arise from the unexpired risk.

E.2.2.3 Ceded/retroceded reinsurance balances

For SST MCBS the calculation of the best estimate for reinsurance assets and insurance liabilities is performed on a gross basis (i.e., no offsetting of assets with liabilities).

E.2.2.4 Other information

Following FINMA's requirements on market consistent calculations, we recalculate the best estimate of insurance liabilities by discounting them using FINMA defined curves.

E.2.2.5 Evolution since December 31, 2016

The undiscounted booked insurance reserves on a gross basis decreased from CHF 1,148.9 million to CHF 1,082.7 million overall. For many portfolios that are in run-off this reflects natural reduction in loss reserves with corresponding payments. This also reflects reduced use of ZRe for international business, fronted through ZRe. The reductions were partly offset by increased technical provisions due to increases in quota shares of some Asian assumed portfolios.

Ceded undiscounted reserves decreased from CHF 838.6 million to CHF 756.3 million. This is consistent with gross as expected due to the large extent of business being fronted. The reduction in ceded technical reserves in 2017 (CHF 82.3 million) is higher than the reduction of the gross technical reserves (CHF 66.1 million). An important cause is the increased retention in some portfolios. The increased retention contributed to reducing the cession with no change on the gross.

E.2.2.6 Comparison between SST market consistent net values and Swiss Statutory net assets

The Market consistent value of assets minus BEL and other liabilities of CHF 453 million is lower than Swiss Statutory total shareholder's equity of CHF 728 million due to many factors, the most important being: non-admitted net deferred acquisition costs (CHF 212 million), discount of best estimates of liabilities (CHF 45 million), intangible assets related to renewal rights (CHF 91 million) and different asset valuation basis.

F. Capital management

Objectives of capital management

ZRe's capital management and planning approach is embedded in the overall Zurich Insurance Group's capital management policy. The policy is defined to maximize long-term shareholder value by optimizing capital allocation while managing the balance sheet in accordance with regulatory and solvency requirements. This includes the management and monitoring of local statutory capital adequacy.

As a legal entity, ZRe is obliged to plan the development of its regulatory solvency position as part of its business plans, taking into account planned dividends and cash remittances to ZIC, including possible risks to its ability to pay these amounts. The capital planning horizon is set in line with the overall Group planning cycle.

ZRe must monitor that it remains within the solvency and capital requirement targets set in accordance to ZRe's risk appetite statement and ensure adherence to local laws and applicable regulatory requirements. In particular, ZRe must ensure compliance with regulatory capital reporting standards.

ZRe is subject to SST and tied asset regulations. Both are taken into account when planning capital or cash repatriations to the Group. Internal target ratios and/or thresholds are considered when assessing and defining the potential to repatriate cash or capital to the Group.

Tied asset requirements are calculated and tracked according to FINMA guidelines and their development is analyzed on a monthly basis. ZRe's Board will be informed whenever any transaction will cause ZRe's tied assets ratio to fall below defined thresholds.

The valuation of ZRe's shareholder's equity follows the Swiss local statutory accounting principles described in Chapter E – Valuation.

The following table shows the composition of ZRe's shareholder's equity as of December 31, 2017, before appropriation of available earnings:

Shareholder's equity

in CHF millions, as of December 31	2017	2016	Change
Share capital	12	12	_
Capital contribution reserve	616	616	_
Organizational fund	17	20	(3)
Retained earnings:			
Beginning of period	173	181	(8)
Transfer to organizational fund	_	(20)	20
Dividend paid	(143)	_	(143)
Net income after taxes	54	12	42
Retained earnings, end of period	83	173	(89)
Total shareholder's equity	728	820	(92)

Despite the charge of the organizational costs of CHF 2.9 million, there have been no changes in ZRe's shareholder's equity other than the dividend payment and the net income after taxes in 2017.

Zurich Reinsurance Company Ltd Financial Condition Report 2017 25

Appropriation of available earnings

in CHF, as of December 31	2017	2016
	(Proposed)	(Approved)
Appropriation of available earnings as proposed by the Board of Directors		
Balance brought forward	29,881,456	160,770,693
Net income after taxes	53,614,656	12,110,763
Available earnings	83,496,112	172,881,456
Dividend	(58,000,000)	(143,000,000)
Balance carried forward	25,496,112	29,881,456

The Board will propose to its shareholder at the Annual General Meeting on April 18, 2018, to pay a dividend of CHF 58.0 million and to carry forward available earnings of CHF 25.5 million as shown in the table above.

Regulatory capital adequacy

ZRe manages its capital so that it meets local regulatory capital requirements at all times.

Regulatory requirements in Switzerland

Under the Swiss Solvency Test (SST), insurance companies and insurance groups can apply for the use of company-specific internal models to calculate risk-bearing and target capital, as well as the SST ratio. The SST ratio must be calculated as per January 1, and must be submitted to FINMA. Internal models must be approved by FINMA.

G. Solvency

Swiss solvency test

The Swiss Solvency Test (SST) is a principle-based, risk sensitive supervision framework reflecting:

- An economic "market-consistent" view of the financial resources available to meet policyholder obligations referred to as risk-bearing capital or RBC.
- An economic view of the impact of the potential risks inherent in the regulated business described as target capital and defined as expected shortfall at a 99 percent confidence level over a one year time horizon.

The SST compares risk-bearing capital with target capital through calculation of a ratio (the 'SST Ratio'). This test indicates whether the level of risk-bearing capital is sufficient to reduce the probability of policyholder impairment to a level consistent with regulatory objectives.

FINMA has advised ZRe that it must use an internal model, rather than the standard model. The ZRe is currently preparing an application to FINMA for Internal Model Approval (project IMAP), which is due to FINMA end of October 2018. The expectation within the Zurich Group is to have ZRe's approved internal model integrated within the Zurich Group's internal model framework.

The model used by ZRe to produce the 2017 solvency results described herein is based on a transitional internal model (approved for use by FINMA for Q4 2017) which is consistent with that used for 2016 year-end and also for the preceding insurance license application to FINMA. This transitional model is broadly consistent with the Zurich Group's internal model before recent updates approved by FINMA via the Zurich Group IMAP.

As of January 1, 2018, ZRe's risk bearing capital and target capital were USD 404.9 million and USD 107.0 million, respectively. As of January 1, 2017, ZRe's risk bearing capital and target capital were USD 432.1 million and USD 68.2 million, respectively.

ZRe's SST ratio as of January 1, was 430 percent for 2018 and 808 percent for 2017. The SST results 2017 have been filed with FINMA at the end of April 2017 and will be filed for 2018 at the end of April 2018.

ς_{\wedge}	Ы	or	10	,
30	ΙV	CI	ıcy	/

in USD millions, for the years ended December 31		Adjustments		
	2017	previous year	2016	Change
Derivation of risk-bearing capital				
Assets	2,284.7		2,380.5	(95.8)
Liabilities	(1,820.3)		(1,807.6)	(12.7)
Deductions (proposed dividends)	(59.5)		(140.8)	81.3
Core capital	404.9		432.1	(27.2)
Supplementary capital (eligible subordinated debt)	_		-	_
Risk-bearing capital	404.9		432.1	(27.2)
Derivation of target capital				
Insurance risk	91.4		83.2	8.2
Market risk	58.7		23.0	35.8
Diversification effects	(38.2)		(31.1)	(7.1)
Credit risk	12.0		11.5	0.5
Risk margin and other effects on target capital	(17.0)		(18.4)	1.4
Target capital	107.0		68.2	38.7
SST ratio				
SST ratio (based on risk margin included in liabilities)	430%		808%	(378%)

Zurich Reinsurance Company Ltd Financial Condition Report 2017 G. Solvency 27

Reported in the table above under the label risk margin and other effects on target capital includes:

- Expected P&C result: The SST framework allows for recognition of the economic profit (expected property and casualty results) a company expects in one year's time.
- Risk margin: The risk margin methodology follows the cost of capital approach, in accordance with the FINMA Circular 2017/3. It reflects the cost of all future capital requirements needed to support the current insurance portfolio in case the firm would stop writing any new business and go into a run-off. These future capital requirements are discounted consistently with the MCBS liabilities.
- Credit risk associated with affiliate transactions: ZRe's largest counterparty is ZIC, the parent company of ZRe. The remote risk of ZIC's default is therefore incorporated into ZRe's target capital.

Solvency – Insurance risk

in USD millions, for the years ended December 31		Adjustments		
	2017	previous year	2016	Change
Insurance risk derivation of target capital				
Premium and reserve risk (including UPR risk)	90.1		80.9	9.2
Nat cat	4.6		7.8	(3.1)
Business risk	_		_	_
Diversification	(3.3)		(5.4)	2.1
Total of insurance risk target capital	91.4		83.2	8.2

ZRe's largest component of the target capital is premium and reserve risk. Reserve risk arises due to adverse changes in reserve development resulting from fluctuations in the timing and amount of claims settlement. Premium risk assesses the risk that the losses related to new business earned over one-year are higher than what was expected. The natrual catastrophy (nat cat) risk exposure within ZRe is minimal given the impact of reinsurance purchased by the reinsured that inures to the benefit of the contract written by ZRe. For 2017, the nat cat exposure primarily relates to the Japan personal accident and motor business. For 2018, the Japan nat cat exposures are specifically excluded from the assumed business retained within ZRe. ZRe will retain in 2018 new business, which relates to Hong Kong and Singapore risks; the nat cat exposures for 2018 relates primarily to these Hong Kong and Singapore risks.

Solvency – Market risk

in USD millions, for the years ended December 31		Adjustments		
	2017	previous year	2016	Change
Market risk derivation of target capital				
Equity risk	-		-	-
Interest rate risk	11.9		7.9	4.0
Exchange rate risk	58.3		21.1	37.2
Credit spread risk	5.0		4.4	0.6
Other	6.4		7.1	(0.7)
Diversification	(22.0)		(15.8)	(6.2)
Total of market risk target capital (including investment				
credit risk)	59.7		24.8	34.9
thereof:				
Market risk (excluding credit risk)	58.7		23.0	35.8
Investment credit risk	6.8		5.2	1.6

Market risk is the second-largest contributor to ZRe's target capital. It measures interest rate mismatches between assets and liabilities, fixed income risk, corporate rate spread risk and foreign exchange risk. Credit default risk of the investment assets is shown under the sub-section investment credit risk. The market risk is driven predominantly by foreign exchange risk. Additionally, there has been an increase in the market risk target capital by more than double, comparing 2017 to 2016 in the table above. This increase is due to a refinement in model inputs for P&C insurance liabilities to align better with the currency of the transactions rather than reporting unit. This refinement is particularly relevant for ZRe given the significant amount of affiliate reinsurance assumed and combined into single reporting units.

Appendix 1: Quantitative templates

Performance

in CHF millions, for the twelve and three months ended December 31, respectively

		Tot	al	Accio	lent	Hea	lth	Motor v	erhicle	Trans	port	
		2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	
1	Gross written premiums and policy fees	162	775	_	_	_	_	_	_	_	_	
2	Premiums ceded to reinsurers	(76)	(403)	_	_	_	_	_	_	_	_	
3	Net written premiums and policy fees $(1 + 2)$	86	372	_	_	_	_	-	_	_	-	
	Change in reserves for unearned premiums,											
4	gross	23	(19)	_	_	_	_	_	_	_	_	
	Change in reserves for unearned premiums,											
5	ceded	(22)	12	_	_	_	_	_	_	_	_	
-	Net earned premiums and policy fees (3 + 4	. ,										
6	+ 5)	87	365	_	_	_	_	_	_	_	_	
7	Other income	_	_	_	_	_	_	_	_	_	_	
8	Total technical income (6 + 7)	87	366	_	_	_	_	_	_	_	_	
_	Claims paid, annuities and loss adjustment											
9	expenses, gross	(118)	(325)	_	_	_	_	_	_	_	_	
	Claims paid, annuities and loss adjustment	(1.10)	(525)									
10	expenses, ceded	59	202	_	_	_	_	_	_	_	_	
11	Change in insurance reserves, gross	37	79	_	_	_	_	_	_	_	_	
12	Change in insurance reserves, ceded	(25)	(90)	_	_	_	_	_	_	_	_	
12	Change in actuarial provisions for unit-linked	(23)	(50)									
13	contracts	_	_	_	_	_	_	_	_	_	_	
15	Insurance benefits and losses, net of											
14	reinsurance (9 + 10 + 11 + 12 + 13)	(48)	(134)	_	_	_	_	_	_	_	_	
1-7	Underwriting & policy acquisition costs,	(40)	(134)									
15	gross	(59)	(256)	_	_	_	_	_	_	_	_	
15	Underwriting & policy acquisition costs,	(55)	(230)									
16	ceded	22	91	_	_	_	_	_	_	_	_	
10	Underwriting & policy acquisition costs, net		<i>J</i> 1									
17	of reinsurance (15 + 16)	(36)	(165)							_		
18	Administrative and other expense	(30)	(103)			_		_		_		
10	Total technical expense (14 + 17 + 18)	0	(10)									
19	(non-life insurance only)	(76)	(309)	_	_	_	_	_	_	_	_	
20	Investment income	2	11	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
21	Investment expenses	_	(1)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
22	Net investment result (20 + 21)	2	10	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
	Net investment result on unit-linked		10	mai	II.u.	II.u.	mai	mai	TI.G.	mai	mai	
23	investments	_	_	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
24	Other financial income	1	5	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
25	Other financial expense	<u> </u>		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
23	Operating result (8 + 14 + 17 + 18 + 22 +			n.a.	n.a.	n.a.	11.4.	II.a.	11.0.	11.0.	11.0.	
26	23 + 24 + 25)	13	71	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
20	Interest expense on debt and other interest	13	/ 1	II.a.	II.a.	II.a.	II.a.	II.a.	II.a.	II.a.	II.a.	
27	•		(2)	n a	n a	n a	n a	n a	n a	n a	n a	
27 28	expense Other income		(2)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
29				n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
30	Other expense Extraordinary income/expense		_	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
5U	Net income before taxes (26 + 27 + 28 +	_	_	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
21		12	60	n a	n o	n o	n a	n a	n o	n a	n o	
31	29 + 30)	(1)	(15)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
32	Direct tax expense	(1)	(15)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	
33	Net income after taxes (31 + 32)	12	54	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	

							Direct														
			5 1				n-Swiss													P 1	
Fi		C		Swiss b	usiness	bı	usiness							N. America					In	direct bu	usiness
	natrual	Gen		O4l-										Mari							
	, property mage	third- Liab		Oth brand		Tot	al	Accio	lont	Heal	l+h	Mot	tor	aviati		Drop	orti (Casu	altu	Miscella	nacus
ua	- 5 -	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	2016	2017	trans 2016	2017	2016	2017	2016	2017	2016	2017
2010		2010		2010		2010	_	56	256	1	6	32	182	3	17	40	231	2010	56	10	26
		_		_	_	_	_	(7)	(53)	(1)	(6)	(2)	(13)	(3)	(17)	(40)	(231)	(12)	(56)	(10)	(26)
		_	_	_	_	_	_	49	203	_	_	29	170	_	_	(0)	(0)	9	(0)	(0)	(0)
									200				.,,			(0)	(0)		(0)	(0)	(0)
-		_	_	_	_	_	_	(0)	(11)	0	(1)	5	(18)	1	(0)	22	0	(1)	11	(4)	(1)
		-	_	_	_	_	-	1	12	(0)	1	(1)	(1)	(1)	0	(22)	(0)	(3)	(1)	4	1
-		_	_	_	_	_	_	49	204	_	_	34	151	_	_	(0)	(0)	4	10	(0)	(0)
		-	_		_	_	_	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	<u> </u>			_		_	_	49	204	0	0	34	151	0	0	(0)	0	4	10	0	0
		(0)	(4)					(1.5)	(70)	/1>	(2)	(10)	(F7)	(2)	(12)	(12)	(110)	(DE)	(40)	(2.4)	(2)
		(0)	(4)	_	_	_		(16)	(78)	(1)	(3)	(19)	(57)	(2)	(12)	(12)	(118)	(35)	(49)	(34)	(3)
_		0	1	_	_	_	_	2	9	1	3	2	5	2	13	12	118	35	49	7	3
		(10)	9	_	_	_	_	(4)	5	(0)	(0)	(4)	(28)	(13)	7	4	84	30	1	34	2
		(0)	(6)	_	_	_	_	3	11	0	0	1	(1)	7	(7)	4	(85)	(32)	(1)	(9)	(2)
		(-)	(-)										(-/		(- /		()	(= =)	(- /	(-)	(-/
-		-	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-
-		(10)	0			_		(16)	(52)	_		(19)	(81)	(6)	0	8	(1)	(3)	(0)	(1)	0
								()		/- \	(-)		()	(-)	(-)		()	<i>(</i> _)		/- \	(-)
-		-		_		_	_	(26)	(125)	(0)	(3)	(14)	(63)	(1)	(6)	(10)	(38)	(5)	(14)	(2)	(8)
								3	17	0	3	1	6	1	6	10	38	4	13	2	8
-							_	3	17	U		- 1	0	ı	O	10	30	- 4	13		0
_	_	_	_	_	_	_	_	(23)	(108)	_	_	(13)	(57)	_	0	0	0	(1)	(1)	(0)	0
		_	_	_	_	_	_	3	(3)	0	(0)	1	(2)	0	(0)	2	(3)	1	(1)	0	(0)
									(-)		(-)				(-)		(-)				(-)
-		(10)	0	_	_	_	_	(37)	(163)	(0)	(0)	(31)	(140)	(6)	0	10	(4)	(3)	(1)	(1)	(0)
n.a	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a	. n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a	. n.a.	n.a.	n.a.	n.a.	n a	n.a.	n a	n a	n a	n.a.	n a	n a	n a	n.a.	n a	n.a.	n.a.	n.a.	n a	n.a.	n.a.
11.0	11.01	Thu.	11.0.	11.01	Th.d.	mai	TI.G.	m.u.	TI.G.	TH.G.	TH.G.	II.u.	II.u.	TI.G.	TH.CI.	TH.G.	TI.G.	mai	TH.G.	mai	TH.C.
n.a	. n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a		n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a	. n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
n.a	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.

Appendix 1: Quantitative templates continued

Market-Consistent Balance Sheet

in CHF millions, for the year ended December 31		Adjustments
	2016 pr	revious period 2017
Market-consistent value of investments		
Real estate		_
Shareholdings	0	0
Fixed-income securities	264	277
Loans	110	98
Mortgages		_
Equities	_	_
Other investments	8	7
Collective investment schemes	_	-
Alternative investments	_	-
Other capital investments	8	7
Total investments	382	381
Financial investments from unit-linked life insurance	_	_
Receivables from derivative financial instruments	11	7
Market-consistent value of other assets		
Cash and cash equivalents	1,061	1,083
Receivables from insurance business	117	72
Other receivables	60	31
Other assets	31	20
Total other assets	1,269	1,206
Total market-consistent value of assets	1,662	1,594
	.,002	1,00
Best estimate liabilities (BEL)		
Best estimate of insurance liabilities	1,016	914
Direct insurance: life insurance business (excluding ALV)	-	
Direct insurance: non-life insurance business	74	54
Direct insurance: health insurance business		
Direct insurance: virial insurance business		
Direct insurance: other business		
Outward reinsurance: life insurance business (excluding ALV)		
Outward reinsurance: non-life insurance business	941	860
Outward reinsurance: health insurance business	941	000
Outward reinsurance: Health insurance business Outward reinsurance: unit-linked life insurance business		
	_	
Outward reinsurance: other business	- (755)	(622
Reinsurers' share of best estimate for insurance liabilities	(755)	(632
Direct insurance: life insurance business (excluding ALV)	(27)	- /45
Direct insurance: non-life insurance business	(27)	(15
Direct insurance: health insurance business		
Direct insurance: unit-linked life insurance business		
Direct insurance: other business	-	
Outward reinsurance: life insurance business (excluding ALV)		
Outward reinsurance: non-life insurance business	(728)	(618
Outward reinsurance: health insurance business		-
Outward reinsurance: unit-linked life insurance business		-
Outward reinsurance: other business	_	-
Market-consistent value of other liabilities	820	860
Non-technical provisions		-
Interest-bearing liabilities similar to debt capital	8	-
Liabilities from derivative financial instruments	3	6
Deposits retained on ceded reinsurance	1	(
Liabilities from insurance business	54	20
Other liabilities	753	835
Total BEL plus market-consistent value of other liabilities	1,080	1,142
Difference between market-consistent assets and market-consistent deb	ot	
capital	582	453
to Provide the Control of the Contro	302	155

Solvency	in USD millions, for the years ended December 31		Adjustments		
		2016	previous year	2017	Change
	Derivation of risk-bearing capital				
	Assets	2,380.5		2,284.7	95.8
	Liabilities	(1,807.6)		(1,820.3)	12.7
	Deductions (proposed dividends)	(140.8)		(59.5)	(81.3)
	Core capital	432.1		404.9	27.2
	Supplementary capital (eligible subordinated debt)	_		_	-
	Risk-bearing capital	432.1		404.9	27.2
	Derivation of target capital				
	Underwriting risk	83.2		91.4	(8.2)
	Market risk	23.0		58.7	(35.8)
	Diversification effects	(31.1)		(38.2)	7.1

Credit risk

Target capital

Risk margin and other effects on target capital

SST ratio			
SST ratio (based on risk margin included in liabilities)	808%	430%	378%

11.5

(18.4)

68.2

12.0

(17.0)

107.0

(0.5) (1.4)

(38.7)

Appendix 2: Specific MCBS valuation principles

Appendix 2.1: Specific positions

Revenue contract asset:

Deferred tax liabilities attributable to shareholders

Not valued (i.e., value set to zero).

Appendix 2.2: Third-party investments

Group investments accounted for at fair value under IFRS shall be valued for SST MCBS purposes as summarized below:

AFS debt instruments

Fair value as reported under IFRS (i.e., IFRS carrying value).

Cash and cash equivalent

IFRS carrying value.

Loans to affiliates

Fair value using the IFRS valuation principles.

Deposits made under assumed reinsurance agreements or non-risk transfer reinsurance deposits

For MCBS purposes, third-party and intercompany deposits made under reinsurance agreements are valued using the IFRS carrying value provided this is a reasonable proxy to fair value (i.e., remaining maturity less than 1 year).

Otherwise, the value is based on fair value using the IFRS valuation principles.

Deposits received under ceded reinsurance agreements

For MCBS purposes, third-party and intercompany deposits received under reinsurance agreements are valued using the IFRS carrying value provided this is a reasonable proxy to fair value (i.e., remaining maturity less than 1 year).

Otherwise, the value is based on fair value using the IFRS valuation principles excluding own credit risk.

Deposits placed with third-parties up to 3 months

IFRS carrying value.

Deposits placed with third-parties over 3 months

Fair value using the IFRS valuation principles.

Credit risk allowances attributable to third-party investments held at amortized costs

Not valued (i.e., set to zero) provided credit risk is reflected in the market-consistent valuation of underlying investment.

In case the IFRS carrying value is used as proxy of the MCBS value of the underlying asset, the asset value is reported net of IFRS credit risk allowance.

Investments in associates and joint ventures

Not applicable.

Appendix 2.3: External debt including senior and subordinated debt

Not applicable.

Appendix 2.4: Other assets and other liabilities (non-insurance related)

Generally, the SST MCBS value for other assets and liabilities is equal to the amounts reported in the Group IFRS financials unless stated otherwise. Specifically, the following applies:

Derivatives

Fair value as reported under IFRS.

Receivables (incl. collateral received for derivatives, receivables from policyholders, amounts due from agents, intermediaries, insurance companies, credit impairment allowance)

IFRS carrying value provided this is a reasonable proxy to fair value (i.e., remaining maturity less than 1 year). In this case, the IFRS carrying value is reported net of credit impairment allowance.

Otherwise, the value is based on fair value (incl. credit risk) using the IFRS valuation principles.

Premium cancellation allowance

IFRS carrying value.

Reserve for premium refunds

IFRS carrying value.

Accrued investment income

IFRS carrying value.

Accrued other income or other liabilities

IFRS carrying value.

Prepaid expense or accrued liabilities

IFRS carrying value.

Provisions

IFRS carrying value.

Appendix 2.5: Best estimate of property and casualty insurance liabilities

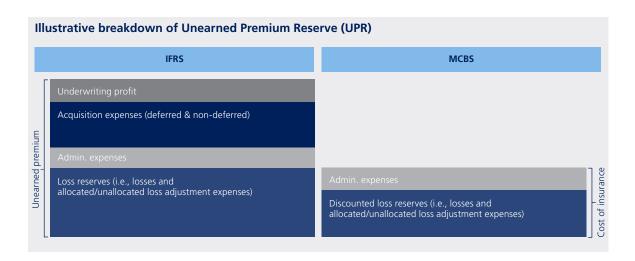
Best estimate of unearned premium reserves (UPR) – third-party

Generally, Zurich recognizes UPR at latest upon start of the coverage period with certain exceptions (e.g., extended warranty contracts which are recognized when Zurich is issuing the contract and is bound). Typically this includes one year of premiums invoiced (i.e., also for multi-year policies generally only the first year premium is recognized and not the entire contractual future premium volume due in future reporting periods).

The MCBS value for UPR reflects the discounted costs of insurance, i.e., expected future loss reserves (including loss adjustment expenses (LAE)) and administration expenses, that can arise from the unexpired risk. Please note that:

- Underwriting profits are not taken into account as these do not represent any future cash flows; and
- Administration expense only encompasses the estimated costs to administer and maintain the insurance policy over
 the remaining coverage period. Consequently, any deferred or non-deferred acquisition costs (such as commissions,
 sales and distribution management, underwriting, risk engineering, and marketing costs) as well as claims
 settlement costs (i.e., allocated and unallocated LAE) are not considered as administration expenses.

Appendix 2: Specific MCBS valuation principles continued



The best estimate of discounted cost of insurance are determined as follows:

- Undiscounted value of the future losses (incl. an estimate for allocated and unallocated loss adjustment expenses) is derived by multiplying the IFRS UPR amount by a representative loss ratio. The resulting future losses is discounted. For example, by multiplying the future loss amount by a discount factor which adequately reflects the expected cash flow pattern and risk-free rate; and
- The sum of the undiscounted future expenses is estimated by multiplying the IFRS UPR amount by an administration expense ratio (AER). These expenses are assumed to be very short tailed and incurred as the premium is earned. Please note, AER cannot be negative.

UPR External MCBS = UPR External IFRS * (Loss ratio * Discount factor + Administration expense ratio)

Any premium deficiency is included as part of the MCBS UPR best estimate and not presented separately.

Property and casualty insurance may issue insurance contracts (or reinsurance contracts) which are subject to life insurance accounting (e.g., prospective reserving for long-duration contracts). As a practical expedient, the IFRS balance may be used as a proxy.

Best estimate of loss reserves

Reserves for losses (i.e., case reserve, actuarial IBNR, management IBNR, reserve strength IBNR as well as allocated/unallocated loss adjustment expenses) are held at best estimate under IFRS. Such best estimate includes recoverables for salvage and subrogation. However, most of these reserves are not discounted.

In order to derive an MCBS value, these reserves are discounted using a risk-free rate whereby the cash flow pattern (i.e., timing of the estimated future cash flows) are adequately considered. Cash flow pattern and risk-free discount rate may be articulated through a discount factor (DF) per transaction currency.

In case the reserves are already presented on a discounted basis in the Group IFRS (e.g. property and casualty annuities), the discounting is reversed and re-performed using the SST MCBS mandated risk-free rate.

Appendix 2.6: Best estimate of life investment & insurance liabilities

Not applicable.

Appendix 2.7: Reinsurance assets

For SST MCBS the calculation of the best estimate for reinsurance assets and insurance liabilities is performed on a gross basis (i.e., no offsetting of assets with liabilities). This applies to both intercompany as well as external reinsurance.

Generally, reinsurance assets include the following:

- Cash receivables, i.e., receivables on paid claims/benefits
- Ceded reserves¹

Property and Casualty Insurance

- Reserves for unearned premiums cession
- Reserves for losses cession (i.e., IBNR & case)
- Reserves for LAE cession (i.e., IBNR & case; allocated & unallocated)
- Reserves for property and casualty annuities cession

Similar to any other cash receivables, for SST MCBS purposes, third-party and intercompany cash receivables are valued using the IFRS carrying value, net of any valuation allowance for credit risk and disputed balances, provided this is a reasonable proxy to fair value (i.e., remaining maturity less than 1 year).

Otherwise, the value is based on fair value (incl. credit risk) using the IFRS valuation principles.

In line with IFRS reporting, ceded loss reserves and underlying direct insurance liabilities are measured and reported on a gross basis. Specifically, internal and external ceded reserves are identified and measured separately on an actuarial best estimate basis.

In relation to the calculation of the credit risk on ceded loss reserves for property and casualty insurance, both internal and external reinsurance have been considered.

2.7.1. Ceded property and casualty loss reserves

Under IFRS reinsurance assets for ceded loss reserves are already held at best estimate (i.e., sum of all expected future recoveries), but generally not discounted. To make these assets market consistent, the timing of these cash flows is calculated and the future cash flows discounted. This is equivalent to multiplying the reinsurance assets for loss reserves by a discount factor based on the expected cash flow pattern and risk free rate.

The calculation may be illustrated as follows:

Ceded loss reserves MCBS = Ceded loss reserves IFRS * Discount Factor $_{ceded}$

In respect to ceded unearned premium reserves (UPR), in order to derive the MCBS value, the IFRS value is restated to reflect the recoveries from a reinsurer that are expected to arise from the unexpired risk.

The IFRS value for ceded UPR may be considered to include

- Reinsurance commissions received
- Ceded underwriting profits
- Future claims recoveries
- Administrative expenses

Conversely, the MCBS value for ceded UPR shall only reflect a market-consistent value for future claims recoveries.

Appendix 2: Specific MCBS valuation principles continued



In order to derive a market-consistent value for future claims recoveries,

- The sum of undiscounted future claim recoveries are estimated by multiplying the IFRS ceded UPR by a representative loss ratio; and
- The estimated future claims recoveries are discounted. To consider the timing of the recoveries the expected future claim recoveries are multiplied by an adequate discount factor which represents the expected cash flow pattern and risk free yields.

 $\textit{Ceded UPR}^{\textit{MCBS}} = \textit{Ceded UPR}^{\textit{IFRS}} * (\textit{Loss ratio}_{\textit{ceded}} * \textit{Discount Factor}_{\textit{ceded}})$

Finally, administration expenses are not considered as part of the MCBS value as these are not recoverable from a reinsurer.

Zurich Reinsurance Company Ltd Financial Condition Report 2017

Appendix 3: Report of the statutory auditor on ZRe annual report

The Financial Condition Report is not audited.

The financial statements of Zurich Reinsurance Company Ltd, which comprise the income statement, balance sheet and notes to the financial statements for the year ended December 31, 2017, are audited. Please refer to the report of the auditor in the Zurich Reinsurance Company Ltd Annual Report 2017, page 16.

https://www.zurich.com/en/investor-relations/results-and-reports/ other-statutory-filings.

THIS PAGE HAS INTENTIONALLY BEEN LEFT BLANK

Zurich Reinsurance Company Ltd Financial Condition Report 2017

Disclaimer and cautionary statement

Certain statements in this document are forward-looking statements, including, but not limited to, statements that are predictions of or indicate future events, trends, plans or objectives of Zurich Reinsurance Company Ltd. Forward-looking statements include statements regarding Zurich Reinsurance Company Ltd's targeted profit, return on equity targets, expenses, pricing conditions, dividend policy and underwriting and claims results, as well as statements regarding Zurich Reinsurance Company Ltd's understanding of general economic, financial and insurance market conditions and expected developments. Undue reliance should not be placed on such statements because, by their nature, they are subject to known and unknown risks and uncertainties and can be affected by other factors that could cause actual results and plans and objectives of Zurich Reinsurance Company Ltd to differ materially from those expressed or implied in the forward-looking statements (or from past results). Factors such as (i) general economic conditions and competitive factors, particularly in key markets; (ii) the risk of a global economic downturn; (iii) performance of financial markets; (iv) levels of interest rates and currency exchange rates; (v) frequency, severity and development of insured claims events; (vi) mortality and morbidity experience; (vii) policy renewal and lapse rates; and (viii) changes in laws and regulations and in the policies of regulators may have a direct bearing on the results of operations of Zurich Reinsurance Company Ltd and on whether the targets will be achieved. Zurich Reinsurance Company Ltd undertakes no obligation to publicly update or revise any of these forward-looking statements, whether to reflect new information, future events or circumstances or otherwise.

It should be noted that past performance is not a guide to future performance.

Persons requiring advice should consult an independent advisor.

This communication does not constitute an offer or an invitation for the sale or purchase of securities in any jurisdiction.

THIS COMMUNICATION DOES NOT CONTAIN AN OFFER OF SECURITIES FOR SALE IN THE UNITED STATES; SECURITIES MAY NOT BE OFFERED OR SOLD IN THE UNITED STATES ABSENT REGISTRATION OR EXEMPTION FROM REGISTRATION, AND ANY PUBLIC OFFERING OF SECURITIES TO BE MADE IN THE UNITED STATES WILL BE MADE BY MEANS OF A PROSPECTUS THAT MAY BE OBTAINED FROM THE ISSUER AND THAT WILL CONTAIN DETAILED INFORMATION ABOUT THE COMPANY AND MANAGEMENT, AS WELL AS FINANCIAL STATEMENTS.



www.zurich.com