

IFRS 17: THE ACTUARY AS A STORYTELLER

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- 1. New disclosure challenges for actuaries
- 2. Observations from recent public disclosures
 - Population for our study
 - Key messages
 - Policy choices
 - Impact on KPIs

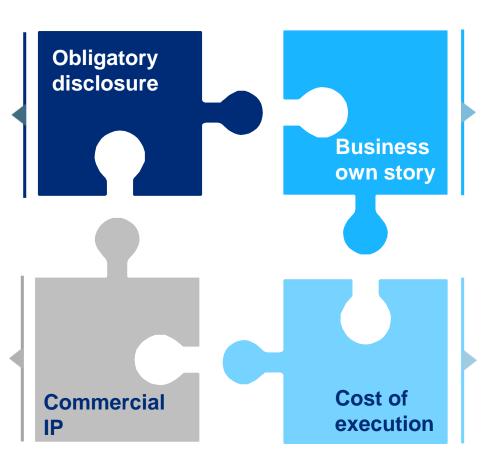
Agenda

New disclosure challenges for actuaries

The actuary as a storyteller

New challenges under IFRS 17

- Numerous new and expanded disclosures (see next slide)
- Prescribed minimum content
- Stronger emphasis on judgements, estimates, inputs and process
- Holistic perspective (ALM view)
- A challenging balancing act:
 - Compliance
 - Credibility
 - Protection of commercially sensitive know-how



- Explain analysis of change
 - Growth / creation of value
 - Development of risk (AvE)
 - Assumptions or methodology changes
- Measure impact on CoR, RoE, Leverage, etc
- Recalculate KPIs on IFRS 17 basis and compare to IFRS 4
- Test impact of policy choices
- Use existing MI to translate 'old' into 'new'
- Test stakeholder reaction
- Redesign

A snapshot of what is new in disclosures

Selected points of focus for valuation actuaries

New							
PAA	How the company has satisfied eligibility requirements						
Discount rates	Yield curve (or range of yield curves) used to discount cash flows						
Risk adjustment	Confidence level and technique (if other) - justification and corresponding conf. level						
IFIE	Total amount & explanation of relationship of IFIE and investment return on assets						
CSM	(Quantitative) when the company expects to recognise CSM in P&L (in time bands)						
Regulatory	Effects of the regulatory framework in which the company operates						

Expanded							
Liquidity (Maturity analysis)	 Net cash flows (PV or undiscounted) for each of the first 5 years post reporting date, cumulative thereafter 						
	 Amounts payable on demand (and relationship to carrying amounts of contract portfolios) 						
Sensitivities	For each type of market risk (e.g. FX, interest rates) – explain relationship between sensitivities from insurance contracts and those from financial assets						



...emphasis on the inputs, assumptions and estimation techniques used, and the processes for estimating the inputs to measurement methods

Population for our study



Population of public disclosures

Measurement

Global and International Composites





















- Significant Life business impacts Group metrics via CSM
- P&C measured mostly under the simplified PAA approach (some exceptions: SCOR)
- Assumed reinsurance and retro(cessions) measured under a mixture of GMM and PAA (small CSM)
- Non-life transition at retrospective or fair value approach (for assumed reinsurance and some run-off portfolios)
- L&H transition: varied mix of retrospective and fair value approach (see next slide)

International and Local Non-life







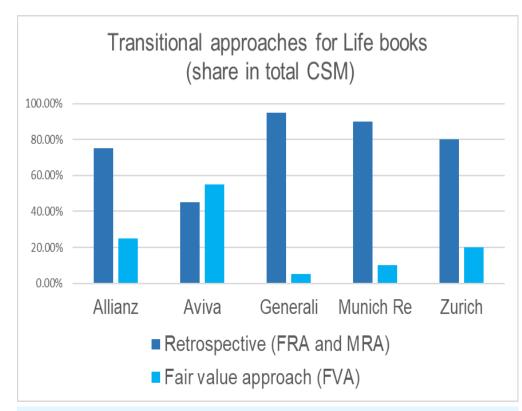
- Business measured under the simplified PAA approach
- Transition (where disclosed) at full retrospective approach

...disclosures per unaudited information in investor presentations held prior to 31 Dec 2022 and (where explicitly specified) audited 2022 annual reports

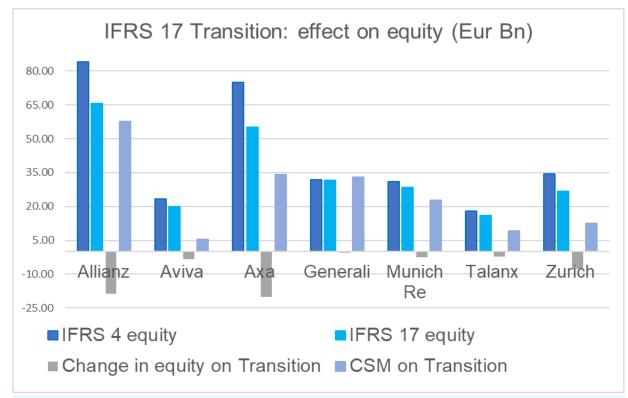


Impact on equity at IFRS 17 transition (1 Jan 2022)

Values in Euro bn equivalent as per audited 2022 annual reports



 FVA used for annuities and liabilities incurred prior to 2016 (sometimes also opting to use the option to set OCI at transition to zero – i.e. using the discount curve at Transition)



- Equity reduction at Transition ranges from 1% (Generali) to 22.5%
 (Zurich); explained mainly by changes in VFA accounting
- CSM at Transition ranges from 27% (Aviva) to 105% (Generali) compared to IFRS 17 equity

Key messages



IFRS 17 Transition: key messages in preliminary public disclosures

2

Strategy

- Business strategy is unaffected
- No major change expected in underwriting & investment risk appetite



Solvency

- Better alignment with Solvency II and internal steering basis
- No impact on solvency ratio (SII or SST)



Cash & Dividends

 No change to cash generation / remittances, dividends guidance or share buy-backs (where announced)

%

Performance metrics (KPIs)

- Key financial targets reaffirmed
- Traditional P&C KPIs remain in use but are calculated on IFRS 17 basis (devil in the detail)
- New adjustments (varying practices) for ROE and Leverage calculations



Equity & P&L

- Relatively small equity effect on transition (when considered with CSM balance)
- Equity: more stable (less sensitive to interest rate changes)
- P&L: changed mix of underwriting and finance results; more P&C volatility

Policy choices



IFRS 17 observed policy choices

Discount rates

Prevalent choices in the population

Bottom-up approach with illiquidity premium Risk free rate aligned with SII Illiquidity premium based on bonds spread





Change in discount rates goes to OCI

Nuanced application:



Illiquidity premium (IP) based on EIOPA replicating portfolios approach



Alignment with SII for P&C and GMM business; VFA IP based on own asset mix per company to reflect ALM



Risk free determined using swap curves for each settlement currency. IP by reference to corporate bond spreads



No illiquidity premium for PAA, risk free rate only



Risk free based on swap rates or sovereign yields. No illiquidity premium on onerous contracts

Different approach or policy choice:



Top-down method (to capture nonfundamental spread in own asset portfolio); changes to OCI



Top-down method for annuity book. OCI option not taken (impact of changes to be reported in P&L)



Not explicitly disclosed (changes appear to go to P&L)



Change in the discount rate is recognised in IFIE in P&L



IFRS 17 and IFRS 9 observed policy choices

Aligning accounting outcomes with ALM objectives

Prevalent choices in the population

IFRS 9 classification Many companies have taken the approach for IFRS 9 and IFRS 17 transition. Choices vary

regarding IFRS 9 impairment requirements to comparatives overlay

VFA liabilities Tailored approach to assets classification to match product specifics (and VFA liability valuation)

PAA and GMM portfolios:

Fixed income assets Measured at FVOCI (mark-to-market changes go to OCI) with recycling of realised gains / losses

in P&L

Measured at FVOCI with no recycling of realised gains / losses in P&L Equities

Measured at FVTPL (mark-to-market changes go to P&L) Funds investments

Different policy choice for PAA or GMM books - measured at FVTPL:



for assets matching insurance liabilities





Munich RE ZURICH in recognition of economics



securities



No explicit disclosure:







IFRS 17 observed policy choices

Risk adjustment

Methodology and calibration

Confidence level



65th percentile (range 62.5th - 67.5th) diversification b/n non-life entities



75th percentile; no diversification b/n entities



85th percentile for Life & funeral line 65th percentile for Non-life contracts



75th percentile (65th HDI Specialty)



74 -79th percentile for short duration90 - 95th percentile for long durationcontracts



Corridor around 90th percentile



c75th percentile



Calculation based on VaR, percentile not specified

Cost of capital (CoC)



6% CoC and diversification between entities



6% CoC and group-wide diversification; (corresponds to a confidence level of approximately 90% over a one-year period



CoC < CoC for SII (undisclosed) and more diversification than for SII

Partial or no disclosure



Reference to pricing and capital allocation

framework (lifetime

view);

diversification

between risks only



No disclosure



IFRS 17 observed policy choices

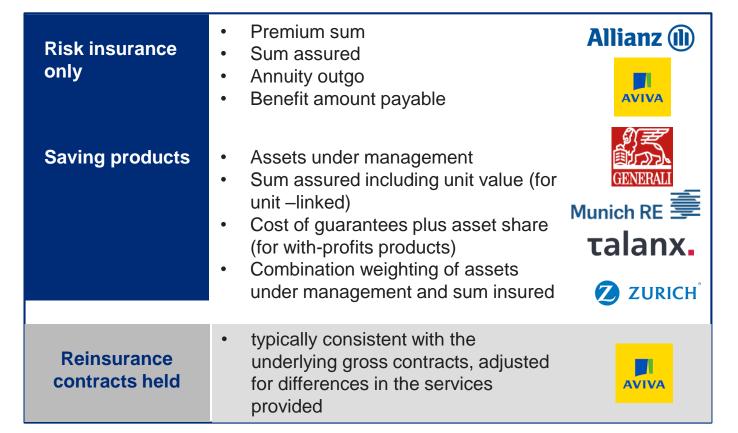
Aggregation. Calculation bases for coverage units.

EU carve-out on annual cohorts:





Bases for coverage units:



Impact on KPIs



IFRS 17 impact on group performance metrics

Return on equity

Direction of change

Majority within the population expect:

- Improved RoE under IFRS 17 (targets: low to mid-double digit)
- Less volatility over time

Calculation approach

- 'Standard' = using net shareholder income and equity values as reported in financial accounts, and/or
- 'Non-standard' = Using non-GAAP income measures and adjusted equity values

No explicit disclosure:

















Examples:



RoE = Underlying Earnings / Average Shareholders Equity (excl. OCI)



RoE = Consolidated result / Adjusted equity (for unrealised G/L, cash flow hedges and currency translation reserve)



Adjusted RoE = Net income excluding earnings from SPPIfail assets / Equity



RoE = Operating profit after tax / Average adjusted shareholders' equity

(adjusted for net unrealized gains/losses on assets and liabilities and cash flow hedges)



IFRS 17 impact on group performance metrics

Leverage

Direction of change

Majority within the population expect:

Reduction in leverage ratio under IFRS 17 compared to IFRS 4 ratio (ranges from 1%pt to 11%pts), or no significant change

Calculation approach

- Composites intend to include CSM in the denominator of the ratio (varying practices for tax and non-attributable expenses not in CSM)
- Two composite groups intend to include risk adjustment in the denominator of the ratio as well

No explicit disclosure:











Examples:



To include CSM (net of reinsurance) adj. for tax and non-attributable expenses not in CSM; IFRS 17 ratio at 23% (IFRS 4 at 26%)



To continue measuring leverage based on SII, not IFRS (target < 30%)



IFRS 17 ratio at 19% - 23% (IFRS 4 at 25% - 28%)



IFRS 17 ratio at 16% (IFRS 4 at 26%)



IFRS 17 ratio at 10.7% (IFRS 4 at 14.7%)



Talanx. To include both CSM and risk adjustment; IFRS 17 ratio at 22% (IFRS 4 at 33%)



ZURICH

To include both CSM and risk adjustment



IFRS 17 leverage ratio to decrease by 1%pt (vs IFRS 4)

ageas.

No material change in leverage

expected (vs IFRS 4)



IFRS 17 impact on group performance metrics

Leverage

Direction of change

Majority within the population expect:

 Reduction in leverage ratio under IFRS 17 compared to IFRS 4 ratio (ranges from 1%pt to 11%pts), or no significant change

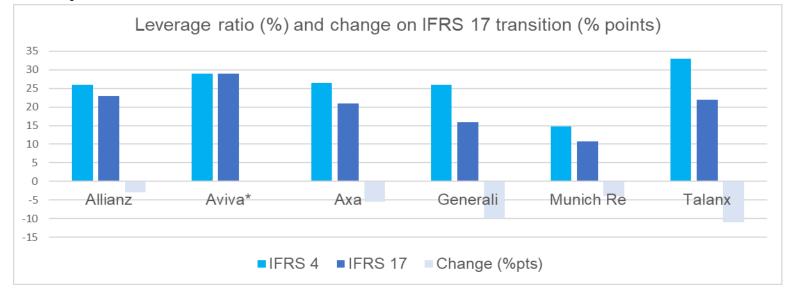
Calculation approach

- Composites intend to include CSM in the denominator of the ratio (varying practices for tax and non-attributable expenses not in CSM)
- Two composite groups intend to include risk adjustment in the denominator of the ratio as well

No explicit disclosure:



Examples:



* Measured on a SII basis

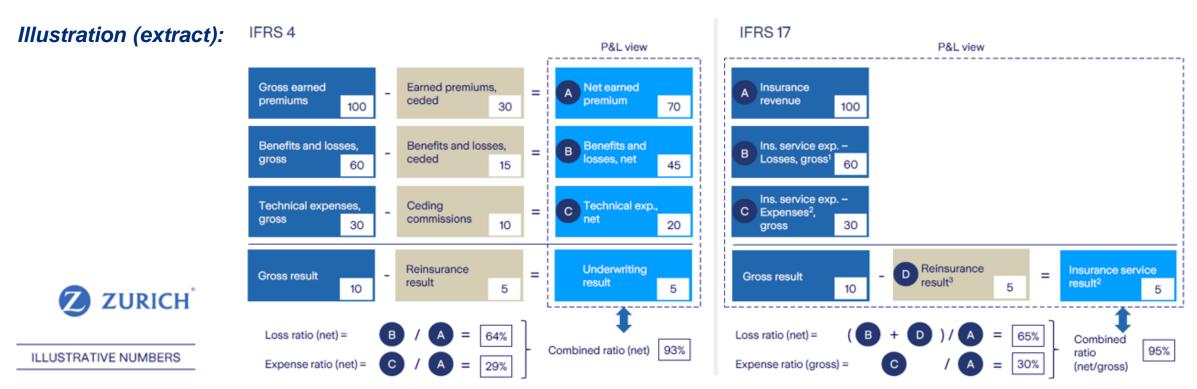
IFRS 17 impact on performance metrics

(1 of 3)

Combined ratio, Loss ratio, Prior period development ratio (PPD), Expense ratio

Prevalent choices in the population

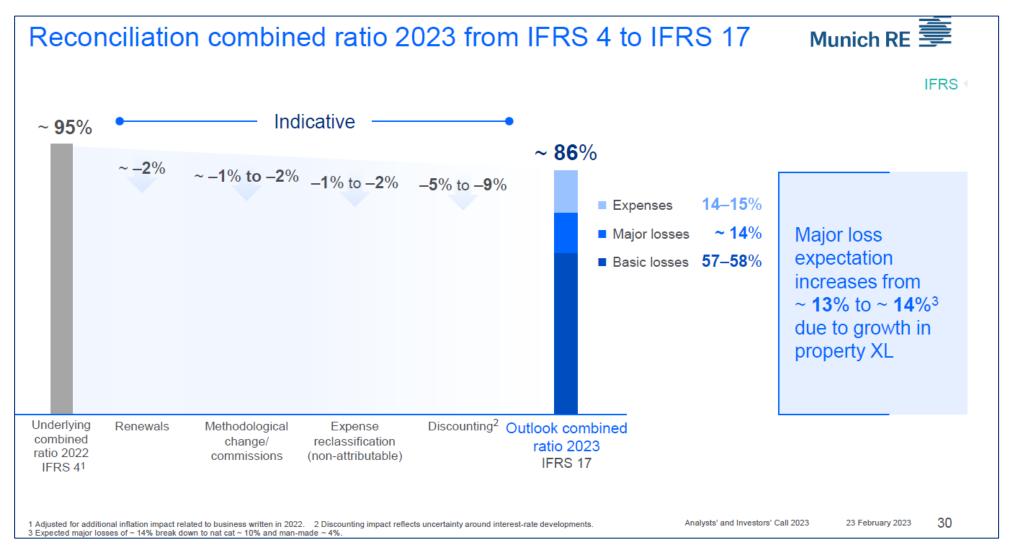
- Choice of calculation basis (net or gross insurance revenue) appears to be driven by the business steering approach
- Practices vary for the treatment on non-attributable expenses (general admin expenses / overheads)
- No intention to continue reporting IFRS 4-basis ratios but plans to disclose GWP (as a non-IFRS KPI)



IFRS 17 impact on non-life performance metrics

(2 of 3)

Combined ratio: Munich Re example



Source:

Handout slide 30 from Munich Re Analysts' and Investors' Call February 2023

IFRS 17 impact on non-life performance metrics

(3 of 3)

Combined ratio, Loss ratio, Prior period development ratio (PPD), Expense ratio

Net / Gross ratios				Net / Net ratios				Hybrid	
	Allianz (ll)	AXA	SE SENERALI	Z ZURICH°	Munich RE	AVIVA	DirectLine Group	HISCOX	Admiral Group PLC
Loss ratio	A	Not specified	•	Not specified	•	Not specified	Not specified	Not specified	4
PPD ratio	Not specified	4	A	Not specified	4	Not specified	Not specified	Not specified	Not specified
Expense ratio	*	Not specified	*	*	#	*	Not specified #	Not specified #	4 ***
Combined ratio	_			V	•	4	Not specified	A	Not specified

Legend



increase



decrease



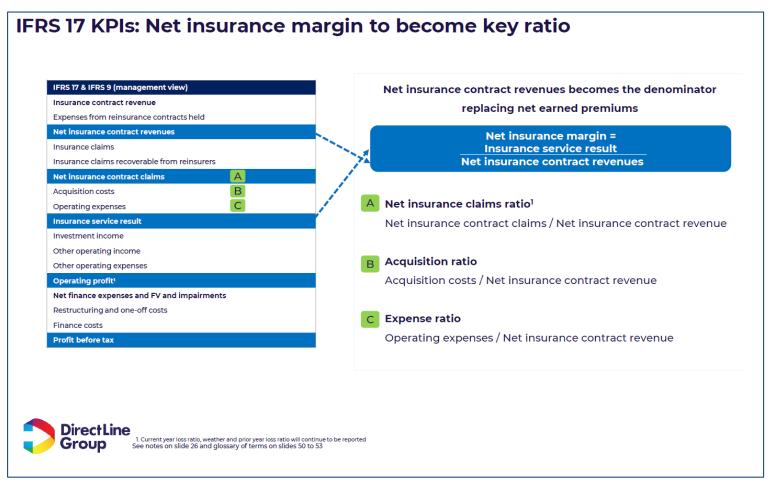
no material change

- * Ratio includes attributable & non-attributable expenses
- # Ratio includes attributable expenses only

Hybrid ratios are on a basis net of XoL reinsurance and gross of QS reinsurance

IFRS 17: new non-life performance metrics

Net Insurance Margin: Direct Line Group example



Source:

Slides 20 and 28 from DLG presentation '2022 Preliminary Results' 13 March 2023



IFRS 17 Life & Savings performance metrics

As per audited 2022 annual reports

Prevalent choices in the population

- To continue reporting New Business Value (NBV) (derived using IFRS 17 and IFRS 9 balances; definitions vary)
- Operating result: driven by CSM and risk adjustment release, and net financial result (adjusted for non-recycled realised gains / losses, fair value changes reported in P&L and other non-recurring income and expenses)

Examples of NBV definitions:



NBV = CSM at inception, adjusted by non-attributable costs, reinsurance and contracts in the Life/Health segment accounted under PAA or IFRS 9.

 Higher than under SII due to a slightly higher diversification benefit and different valuation curves



 NBV= new business CSM adjusted for PAA life business, inv. contracts under IFRS 9 and look through for funds managed by the group with tax and minorities deducted

talanx. • NBV= CSM for new business less loss components of new business

Other KPIs:



- CSM (closing balance)
- CSM release pattern
- Importance of new business (%) = (CSM of new insurance contracts issued) / (Total CSM)

τalanx.

Growth of insurance revenue (adjusted for currency effects)



Q&A



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