

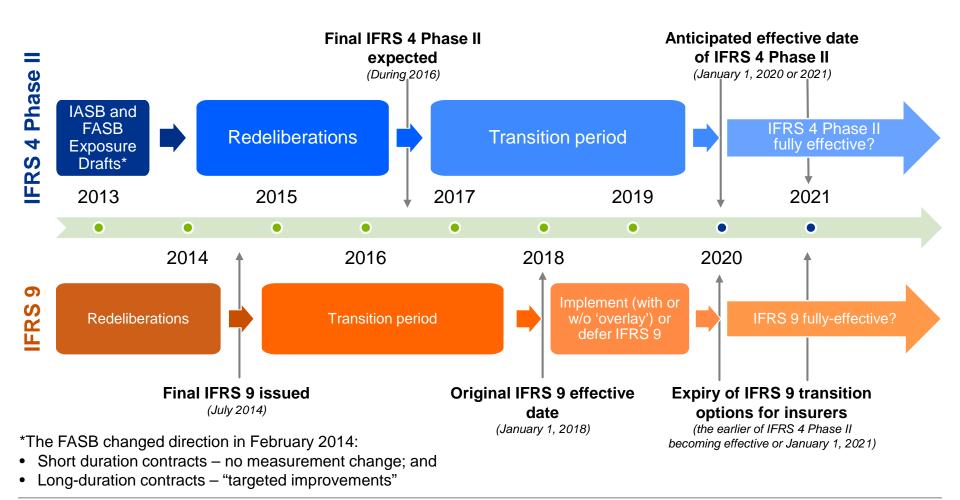
Agenda

- Forthcoming accounting changes
- High-level overview of the insurance proposals
- The latest on participating contracts
- IFRS 9 Financial Instruments
- Measurement and other impacts
- 6 Preparing for action



Status of forthcoming accounting changes

The effective date of the forthcoming insurance contracts standard is expected to be approximately three years after the standard is issued



What remains?

Remaining IASB discussions/activities on IFRS 4 Phase II

- Due process steps to be reviewed (January 2016)
- How to specify the effect of discretion that would be recognised in the CSM under the general model
- Mandatory effective date (when publication date is more certain)

Remaining IASB discussions/activities on current IFRS 4

- Publish ED to amend IFRS 4 (December 2015)
- Comment period (60 days from ED being published)
- Re-deliberate the proposals in the ED (Q2 2016)
- Issue IFRS 4 amendments (Q3 2016)

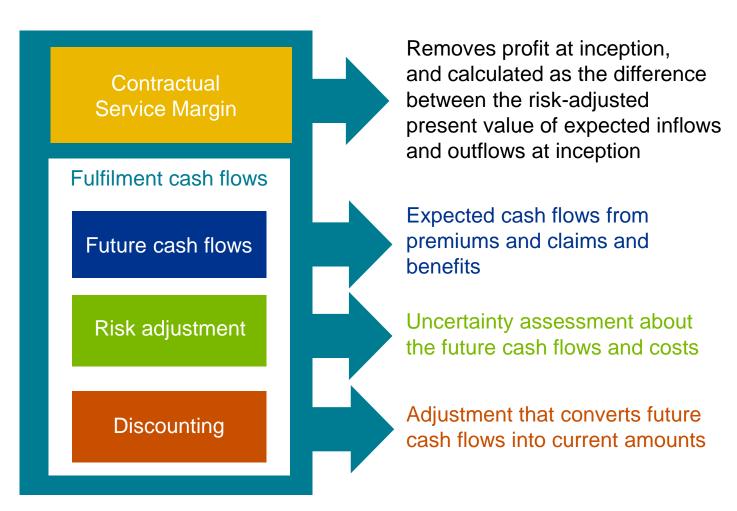
High-level overview of the insurance proposals



The general model: an overview

Initial recognition

Measurement
of an insurance
contract
incorporates all
available
information
consistent with
market
observable
information



The general model vs CALM

Canadian life insurance basis (CALM)

No counterpart in CALM

Starts with a probability-weighted estimate of future cash flows, but excludes tax cash flows and some expenses

"Provisions for adverse deviations" are higher under CALM as they include margins for asset risks, such as default

Reflects an insurer's own asset portfolio returns, which are normally higher than low or no risk interest rates

IASB general model (BBA)

Contractual Service Margin

Fulfilment cash flows

Future cash flows

Risk adjustment

Discounting

Impacts for Canadian life insurers

No income tax cash flows to be considered

"Probability weighted" will reflect customer behaviour, but will not require use of stochastic methods

Unit costs should shrink – fewer indirect costs to be included in liabilities

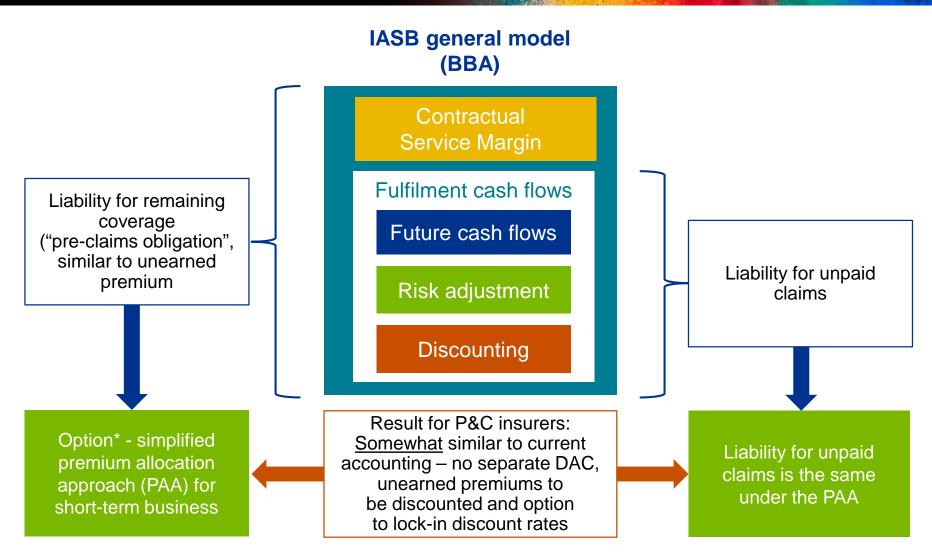
Significant amount of current asset-related PfADs will disappear

Choice of methods available, but equivalent of 'confidence level' to be disclosed

Less change in volatility at long durations

Expect discount rates to be lower than the current PfADed valuation rates

The general model vs PAA



^{*} Option to the use the PAA - most P&C products would be eligible for PAA, as would most short term life and health products

Transition

Retrospective application

- Includes margin for in-force contracts at date of transition
- Full retrospective application with the following hierarchy:
- Apply the retrospective approach in accordance with "IAS 8 Accounting Policies, Changes in Accounting Estimates and Errors unless is impracticable
- When retrospective approach is impracticable, apply the simplified approach with a modified risk adjustment
- When the simplified approach is impracticable, apply fair value approach

Limited redesignation of some financial assets

- Fair value option to eliminate or significantly reduce accounting mismatches
- Election of OCI category for investments in certain equity instruments

Early adoption permitted

The latest on participating contracts



What's the issue?

Participating products vary significantly by jurisdiction











**



...respondents sympathetic to the IASB's intention of eliminating accounting mismatches ... proposals in the ED widely criticized for being unduly complex and many constituents question whether they could be made workable¹











¹ January 2014 Board Agenda paper

The solution

In 2014 and 2015, the IASB has changed course ...

- Mirroring approach proposed in 2013 ED OUT
- Targeted adjustments to general model including:
- Unlocking the contractual service margin for the shareholders' share of underlying items; but

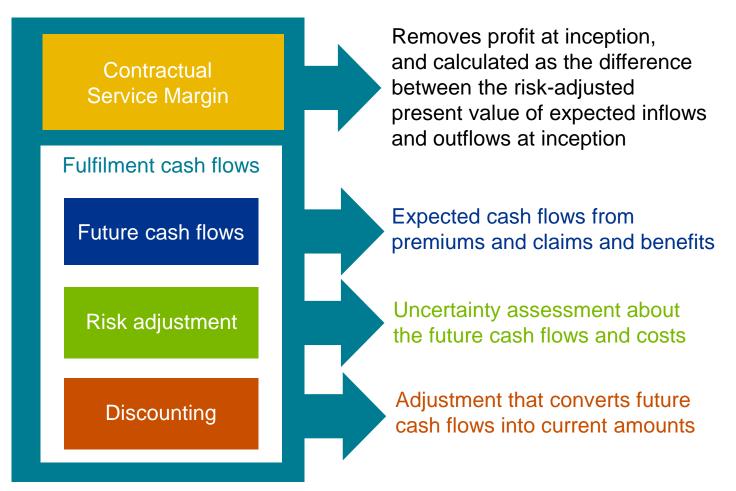


- Providing an exemption for entities that use derivative instruments to hedge financial risk of embedded guarantees; and
- Amending the objective of presenting insurance investment expense for contracts for which there is no economic mismatch
- Finding a solution has been challenging a number of concepts have been introduced and rejected – e.g.
- Indirect participating contracts; and
- Multiple drivers for the release of CSM into profit or loss

Participating contracts

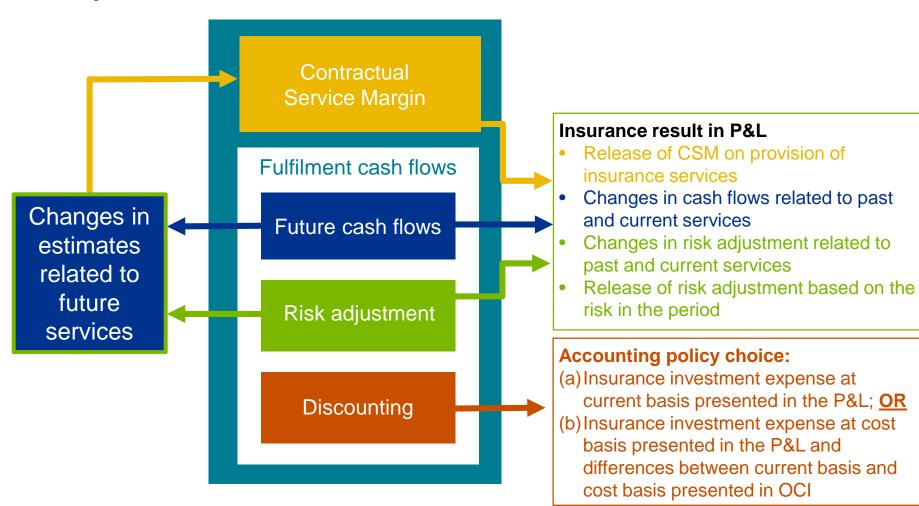
Initial recognition (It's the same!)

Measurement
of an insurance
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The general model

Subsequent measurement



Participating contracts

Subsequent measurement Contractual Service Margin Fulfilment cash flows Changes in Future cash flows estimates related to future Risk adjustment services Discounting

Indicates an adjustment to the general model to accommodate participating features

Insurance result in P&L

- Release of CSM on provision of insurance services
- Changes in cash flows related to past and current services
- Changes in risk adjustment related to past and current services
- Release of risk adjustment based on the risk in the period

Accounting policy choice:

- (a) Insurance investment expense at current basis presented in the P&L; OR
- (b) Insurance investment expense at cost basis presented in the P&L and differences between current basis and cost basis presented in OCI

The variable fee approach

Changes in the estimates of market variables are treated as follows:

Under the general model

Treated as unrelated to service and recognized in the Statement of Comprehensive Income

For direct participating contracts

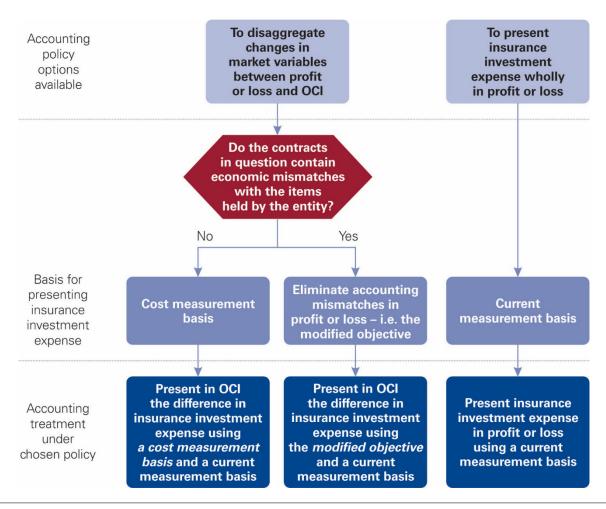
Some are treated as part of the variable fee for service and adjust the CSM

In other words, for direct participating contracts, the entity's share of changes in market variables will adjust the CSM and be taken into income as the CSM is released, rather than immediately being reported in profit or loss or in OCI

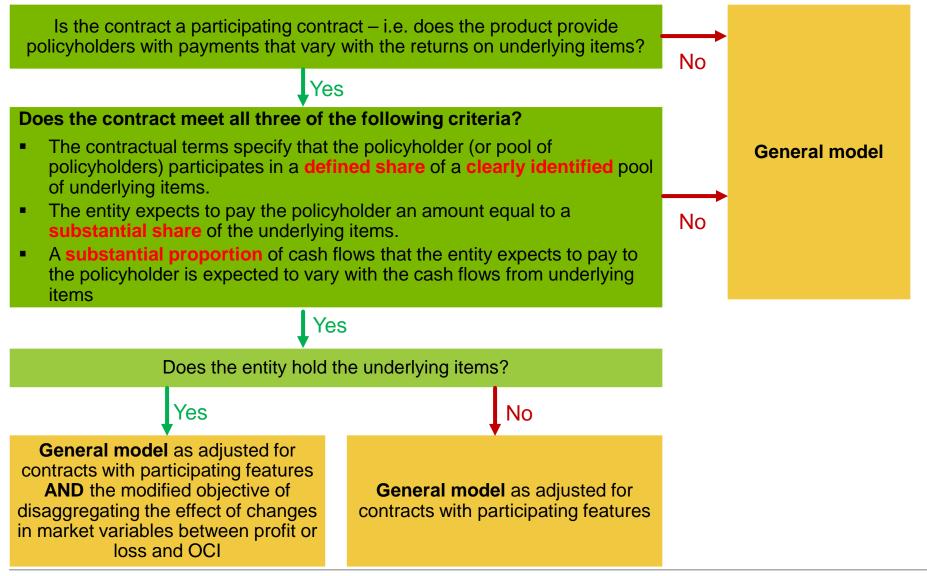
HOWEVER, this causes an issue where an entity uses a derivative instrument to protect itself from financial risk arising from guarantees or options embedded within a product.

Presenting insurance investment expense

First an entity chooses whether to present changes in market variables (e.g. interest rate) in profit or loss, or in OCI...



Classifying participating contracts



Typical Canadian products

Is the product a participating contract – i.e. does the product provide the policyholder with payments that vary with the return on underlying items?

Do the contractual terms specify that the policyholder (or pool of policyholders) participates in a defined share of a clearly identified pool of underlying items?

Does the entity expect to pay the policyholder an amount equal to a substantial share of returns from the underlying items?

Are a substantial portion of the cash flows that the entity expects to pay to the policyholder expected to vary with the cash flows from the underlying items?

Does the entity hold the underlying items?

Segregated fund Traditional par

































Classification and measurement Classification – Financial Assets

Measurement categories

The measurement categories are similar:

IFRS 9	IAS 39
FVTPL*	FVTPL
Amortised cost	Loans and receivables/ HTM*
FVOCI*	AFS*

Significant changes in criteria for classifying assets.

Derivatives embedded in a financial asset are not separated – the whole asset is assessed for classification

Reclassification of financial assets is subject to strict conditions and expected to be very infrequent

^{*} FVTPL – fair value through profit or loss, FVOCI – fair value through other comprehensive income, HTM – held to maturity, AFS – available for sale

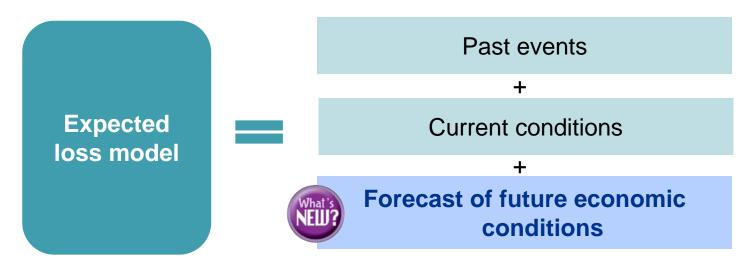
Classification and measurement Business Model Assessment

Business model	Key features	Measurement category
Held-to-collect	 The objective of the business model is to hold assets to collect contractual cash flows Sales are incidental to the objective of the model Typically lowest sales (in frequency and volume) 	Amortised cost*
Both held to collect and for sale	 Both collecting contractual cash flows and sales are integral to achieving the objective of the business model Sales are integral to the objective of the model. Typically more sales (in frequency and volume) than held-to-collect business model 	FVOCI*
Other business models, including: Trading Managed on a fair value basis Maximising cash flows through sale	 Business model is neither held-to-collect nor held to collect and for sale Collection of contractual cash flows is incidental to the objective of the model 	FVTPL**

^{*} Subject to meeting the SPPI criterion and the fair value option

^{**} SPPI criterion is irrelevant - assets in all such business models measured as at FVTPL

Impairment The new model



- Financial assets carried at either amortized cost or FVOCI will carry an impairment allowance. No triggering event is required.
- Life insurers currently include "expected loss" provisions for investments as part of actuarial liabilities - these will change:
 - IFRS 9 effective in 2018 new IFRS 9 provisions for assets currently held, which should reduce actuarial liability asset default provisions beginning in 2018
 - When new IFRS 4 becomes effective actuarial liability asset default provisions will disappear entirely
 - Overall, impairment provisions will be lower since IFRS 9 will not result in asset default provisions for future assets (reinvestments over product term)

Asset designations – P&C insurers

- Currently, Canadian P&C insurers reflect volatility from the discounting of claims in the P&L, but if assets are accounted for as available for sale, interest rate changes affecting assets do not affect income, resulting in a mis-match
- The proposals could reduce this problem for many P&C insurers

	Current P&C accounting	New IFRS proposals	
		OCI option	Fair value option
	Change in interest rates reflected in:	Change in interest rates reflected in:	Change in interest rates reflected in:
Discounted claims liabilities Possib		OCI	Profit and loss
Bonds accounted for through OCI	Other comprehensive income (OCI)	OCI	
Bonds accounted for as fair value through P&L	Profit and loss (less common choice)		Profit and loss
Common problem in current P&C accounting is unmatched discounting of claims liabilities in P&L		Proposals would allow effect of interest rate changes to go through either P&L or OCI – your choice!	

IFRS 9 asset designations - life insurers



- anticipated changes from current practice

Asset	Current prevailing designation	Designation under IFRS 9 – 2018 ³	Designation under IFRS 9 – IFRS 4 phase 2	Comments
Bonds backing insurance contracts	FVTPL (fair value through profit and loss)	FVTPL	FVTPL	<u>Unchanged</u> – expect Cdn lifecos to use FVTPL rather than OCI
Bonds backing surplus	AFS ¹ (available for sale)	FVOCI ¹ (fair value through OCI)	FVOCI ¹	<u>Unchanged</u> - FVTPL option not available for bonds backing surplus
Stocks backing insurance contracts	FVTPL	FVTPL	FVTPL	<u>Unchanged</u> – expect Cdn lifecos to use FVTPL rather than OCI
Stocks backing surplus	AFS ¹	FVTPL	FVTPL	FVOCI unattractive for equities ¹
Loans and receivables	Amortized cost	Amortized cost	FVTPL (for assets backing insurance contracts) ²	Without CALM, likely require FVTPL to improve matching
Mortgages	Amortized cost	Amortized cost	FVTPL (for assets backing insurance contracts) ²	Without CALM, likely require FVTPL to improve matching

^{1 –} AFS and FVOCI both reflect income on an amortized cost basis, and unrealized market value changes in other comprehensive income (OCI). However, FVOCI is unattractive for equities since realized gains are not recycled through income.

^{2 –} FVTPL available for loans, receivables and mortgages under IFRS; use of FVTPL dependent on final OSFI decision to remove the prohibition of FV in Guideline D-10

^{3 –} Unless proposed option to defer implementation of IFRS 9 is taken.

IFRS 9 transition options for insurers

Deferral Approach Defer application of IFRS 9 and continue applying IAS 39 *Financial Instruments: Recognition and Measurement* (IAS 39) until the earlier of 2021 or adoption of the forthcoming insurance contracts standard

Overlay Approach Implement IFRS 9 and reclassify the difference between amounts recognized in profit or loss under IAS 39 and IFRS 9 to OCI

Implement
IFRS 9 without
Overlay
Approach

Apply IFRS 9 retrospectively, in accordance with IAS 8 Accounting Policies, Changes in Accounting Estimates and Errors, except as specified.

Choosing the right approach

Deferral Approach

Overlay Approach

Implementation of IFRS 9 without Overlay Approach

What system and process changes are needed to generate required adjustments and disclosures – e.g.

Fair value (FV) of financial assets that would not meet the 'solely principal and interest' test in IFRS 9?

Calculation and explanation of the amount of overlay adjustments made in each period? Explanation of temporary volatility created by the implementation of IFRS 9?

2



How will you transition from an incurred loss model to an expected credit loss model to measure impairment on financial assets not measured at fair value through profit or loss?

How will you amend your existing project plan to accommodate the desired approach?

Q3

Is tandem implementation of forthcoming accounting changes at a future date feasible?

Will this approach create undue stress on your existing year-end close processes?

Have you begun?

Measurement and other impacts



Measurement and other impacts P&C insurance

Acquisition costs definition changed

Little impact on many companies; some may actually have somewhat higher acquisition costs recognized against UPR than are in their current DACs, and hence higher equity and capital available

Deferred acquisition costs no longer an asset (included in liabilities)

Effectively nets DACs against unearned premium liability – mostly a geography issue, easily solved through recalibration of OSFI capital model

Premium allocation approach definition of "unearned premium"

Expect minimal net measurement impact on income and equity. Note application of time value of money, however

Measurement and other impacts P&C insurance (2)

Onerous contracts more likely to be identified, as a result of using a portfolio definition

More likely to see write-offs and decline in available capital when a portfolio is determined to be loss-making (think auto insurance when there is a combination of high claims costs and regulatory constraints)

Transitional impact on capital expected to be significant for P&C?

Overall, impacts on asset and liability valuations are not zero, but appears unlikely that the net impact on equity at transition would be dramatic for most P&C insurers

Emergence of income

Where premium allocation approach applies, emergence of income likely to be similar to current unearned premium model

Optional use of OCI to capture interest rate volatility in liabilities could reduce P&L volatility – but so would use of fair value option

Measurement and other impacts Life insurance

BB1 – expenses as defined may be lower for some

Future expenses will be lower for some, reducing this element of policy liabilities. Also need to consider changes in acquisition expenses.

Discounted future tax liabilities will be excluded from insurance liability measurement. **Overall impact** – perhaps mildly reducing policy liabilities

BB2 – lower discount rate could overwhelm all other changes

Overall, expect that a "top down" discount rate will still be lower than current valuation rates, and below the rates typically priced into many products – resulting in potentially large increases in liabilities for some products, possibly with losses at inception

Disconnect between liability and asset rates will result in greater volatility

BB3 – risk margins would not cover some areas of current PfADs

Risk margins similar for some elements, but will not cover asset-related PfADs such as asset default risk and mis-matches, reducing policy liabilities.

(Note that some asset default provisions will reappear in assets under IFRS 9)

Measurement and other impacts Life insurance (2)

BB4 – Contractual Service Margin precludes Day 1 gains for new business

CSM would soak up any reserve reductions from BBs 1 and 3. If not overwhelmed by the effect of lower discount rates, CSMs represent a new liability component

Where we have had Day 1 gains in the past, the CSM moves those profits out of retained earnings

Disclosures

Risk margin – need to disclose confidence level inherent in the risk margin, even if that is not the method used

Revenue – change from "premiums due" to the new definition will be complex and require significant changes to reported revenue

Volatility from discounting

Without CALM's asset-liability valuation linkage, volatility from discount rate changes will be much greater

The use of the OCI option would reduce interest rate volatility in the P&L, but it would still exist in equity through accumulated OCI.

Volatility from other liability measurement changes

Other re-measurements, favourable and unfavourable, will be smoothed out through adjusting ("unlocking") the Contractual Service Margin, rather than immediate recognition in income

Capital impacts would be both positive and negative, but regulators might be inclined to focus on adverse changes

Measurement and other impacts Life insurance (3)

Emergence of income

Profit from new business will be lower – new business strain (losses at inception) might be lower for some products, but for other products there will be no profits at inception

Similarly, no immediate gains from reinsurance ceded. On balance, the new CSM may result in slower recognition of *changes* in profitability

Transitional impact on capital expected to be significant for life?

Lower discount rates (BB2) and CSMs (BB4) could significantly exceed other measurement changes and result in a significant reduction in retained earnings on transition

Taxation

Will taxation authorities continue to follow accounting reserves? Will measurement changes be transitioned in over several years? Deferred tax balances may be created

Deferred tax assets may increase and result in valuation concerns for IFRS accounting, and may not count fully for regulatory capital purposes

Expected impacts for various life products

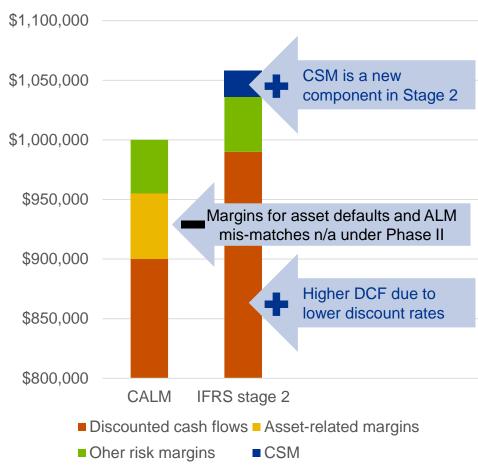
Product characteristics	Examples	Impact on equity at transition	Impact on income emergence Volatility	
Products with gains at inception	Term insurance	Decrease - deferral of initial gains into CSM will increase liabilities at transition	Slower - initial gains deferred into CSM rather than immediate - effects of growth and profitability changes spread over time	Lower for assumption changes (deferred in CSM) Higher for interest rate changes
Products with losses at inception) but little interest sensitivity		Minimal	Minimal – losses at inception still recognized in income immediately	Minimal - assumption changes still recognized in income immediately, until a CSM is established
Products with significant interest sensitivity	Annuities	Decrease – lower discount rates and deferral of initial gains into CSM will increase liabilities at transition	Slower - initial gains deferred into CSM rather than immediate - effects of growth and profitability changes spread over time	Lower for assumption changes (deferred in CSM) Higher for interest rate changes
Direct participating products where the underlying items are held	Segregated funds	None or minimal	None or minimal	Unchanged – relates to market guarantees
Fee-based products	ASO, inv. contracts	None or minimal	None or minimal	None or minimal

Product illustration – transitional impact, payout annuities

Illustration of transitional impacts of IFRS 4 Phase II

- Increased liability resulting from lower discount rates (largely in years 1 to 20)
- Decreased liability for risk margins –
 no margins for asset default or asset-liability
 mis-match in Phase II; other risk margins
 may reduce somewhat under alternate
 methods
- Contractual Service Margin (CSM) to defer profits new under Phase II
- Overall difference in the illustration, on \$1B of CALM liabilities increase in policy liabilities of \$58M, and decrease in retained earnings of \$41M (net of tax) on transition

Liability for annuities – current vs IFRS Phase II basis





Issues for planning and implementation

Can you afford to start?

- Repeated delays in finalizing the project, and uncertain implementation date
- Some major items are still being re-deliberated
- Risk of changes in the "settled" proposals
- Uncertainties in interpretation of some aspects of the proposals

Issues for planning and implementation

Can you afford to wait?

- Time required to complete analysis, decide between alternatives, and execution (and testing!)
- Time required to renovate and organize source data
- IT investments planning, approvals, execution
- Internal and external competition for resources
- Managing sequencing and dependencies of steps within the conversion project
- Co-ordination with related projects within the accounting change projects, and with other projects
- Impacts on other financial management issues, such as capital management and income tax accounting

Issues for planning and implementation

If, as some in the insurance industry argue, implementation might well require more than the proposed 3 years, how can you afford to wait?

Wide Impact Other implications and program decisions

Strategy and strategic position

- Measurement basis used by competitors and its effect on P&L
- Measurement basis used by Group or other subsidiaries, (non-IFRS)

Communication

- What communication will have to be provided to staff, Business Units, Board, Group and financial statements users?
- How expected changes to financial statements and reporting metrics will be explained?

Effects on other processes

- Product design and pricing
- Management reporting and MIS
- Capital management processes and models
- Metrics used in bonus schemes? Covenants in legal agreements?

IFRS 4 implementation

- Will IFRS 9 and IFRS 4 implementation be integrated into one program, or will they be run separately?
- How will the budget and resources be split?
- How will be the timing aligned?

Programme plan

- Who will own the process?
- How long will be the program?
- What budget will be required for implementing the programme?

IT strategy

- Opportunity to rationalize legacy data, systems and models?
- Needs to maintain legacy data and systems?
- Time horizon needed for new IT projects

Key Decision	Changes	Now or later?
Cash flows	 Probability-weighted estimate of FCF (may not change in practice) Classification of attributable and non-attributable expenses. Exclude income tax cash flows 	No reason to wait – and needed for many future steps
Determination of discount rates	 Generally, not asset-based rates Bottom-up or top-down approach? Determine reference portfolio (remove credit risk and liquidity risk premium) Approach to modelling rates for longer durations (with lessor unobservable market rates) 	 No reason to wait – and needed for many future steps Time to analyze alternatives will likely be useful
Optional choice: locked-in discount rates and OCI, or FVTPL approach?	 Do some business types might behave better with locked-in rates? Preliminary view: FVTPL will often give better matching 	 No reason to wait – and needed for many future steps Time to analyze alternatives will likely be useful

Key Decision	Changes	Now or later?
Risk margin approach	 Establish approach and level of aggregation Determination of confidence level for disclosures (if different approach used for RM) Remeasurements reflected by unlocking CSM 	 No reason to wait – and needed for many future steps Time to analyze alternatives will likely be useful
Determination of portfolios	 New standard's definition of portfolios may differ from current practice Cost determination level AXIS is creating a cell name tag 	 No reason to wait – and needed for many future steps Time to analyze alternatives will likely be useful
Use Premium Allocation Approach for any policy types?	 Option to use PAA may be attractive for business where unearned premiums approach may or could have been used 	No reason to wait – and needed for many future steps

Key Decision	Changes	Now or later?
Contractual service margin (CSM)	 Separation of onerous contracts at inception (no offsetting with profitable contracts) Level of CSM determination Unlocking of CSM for future remeasurements Tracking previously recognized losses How will CSM(t) be calculated, stored and updated? Administration system? Release of CSM over time/number of contracts o/s, and reflecting discounting 	 Analysis at this point would be sensible, but requires discounted cash flows and risk margins IASB position is somewhat unclear – expect examples on aggregation Possibility that industry pressure may lead to changes
Contracts with participating features	 Different approaches apply depending on the participating product – classification criteria seem complex Differences between the proposed variable fee approach and the standard building block model 	 IASB deliberations are incomplete, some risk of changes from current proposals Need to make a start on contract classification process

Key Decision	Changes	Now or later?
Transition	 Overall revaluation of liabilities and redesignation of assets, applied retroactively Possible use of practical expedients 	Time to analyze alternatives will likely be useful
 IFRS 9 transitional relief options prior to the new insurance standard 	 Option to defer if you meet the "predominantly insurance" test Option to implement along with an "overlay approach" 	Time to analyze alternatives will likely be useful
IFRS 9implementationAsset classificationImpairment	 Redesignation of financial instruments Decisions linked to optional use of locked-in discount rates Complex new impairment model applicable to amortized cost and FVOCI debt instruments 	Time to analyze alternatives will likely be useful

Key Decision	Changes	Now or later?
Use of Premium Allocation Approach	 Option to use PAA will be available for most non-life business (some exceptions for long duration business) Reflecting discounting in the pre-claims obligation Current unearned premiums reduced by recognition of premiums to cover acquisition costs 	 No reason to wait – and needed for many future steps Should confirm any possible exceptions to use of PAA
Definition of policy acquisition costs	 Diversity in current practices will be reduced by definition of acquisition costs 	No reason to wait – and needed for many future steps

Key Decision	Changes	Now or later?
Risk margin approach	 Establish approach and level of aggregation Determination of confidence level for disclosures (if different approach used for RM) 	 No reason to wait – and needed for many future steps Time to analyze alternatives will likely be useful
Determination of portfolios	New standard's definition of portfolios may differ from current practice	 No reason to wait – and needed for many future steps Time to analyze alternatives will likely be useful
Onerous contracts	 More likely to see write-offs and decline in available capital when a portfolio is determined to be loss- making (e.g. auto insurance when there is a combination of high claims costs and regulatory constraints) 	Time to analyze alternatives will likely be useful

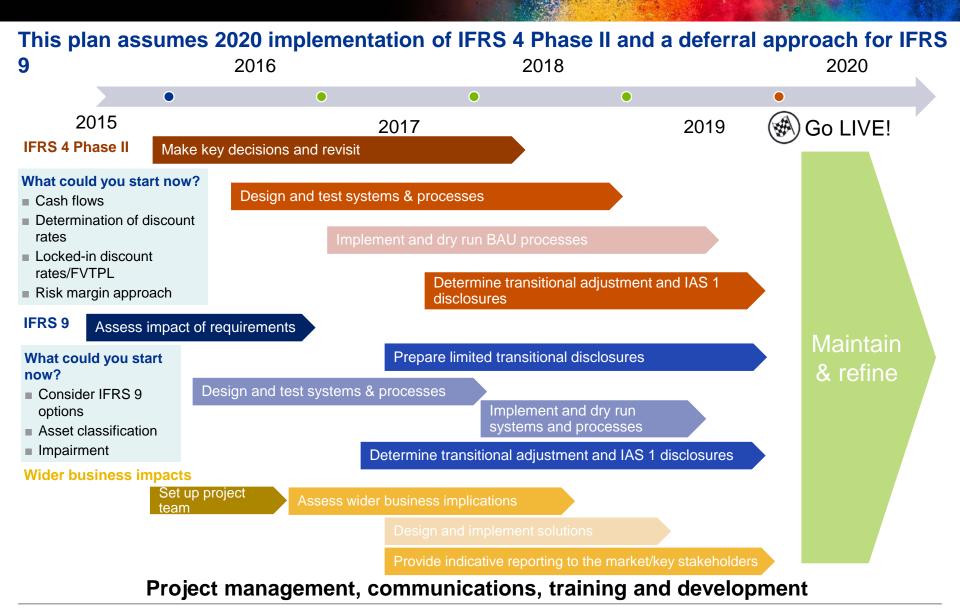
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IFRS 9implementationAsset classificationImpairment	 Redesignation of financial instruments Complex new impairment model applicable to amortized cost and FVOCI debt instruments 	Time to analyze alternatives will likely be useful
Optional choice: locked-in discount rates and OCI, or FVTPL approach?	 Analysis needed – will your portfolio behave better with locked-in rates? Is the additional work of locked-in rates worth it? Preliminary view of many is that FVTPL will often give better matching 	 No reason to wait and needed for many future steps Time to analyze alternatives will likely be useful

Key Decision	Changes	Now or later?
Transition	 Overall revaluation of liabilities and redesignation of assets, applied retroactively Possible use of practical expedients 	Time to analyze alternatives will likely be useful

For insurers, changes will be more complex than the initial adoption of IFRS



High-level implementation plan



Thank you!

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