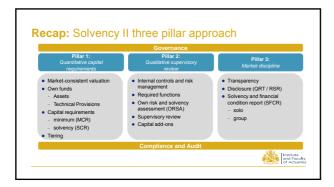
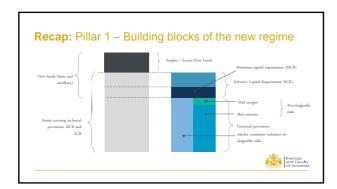


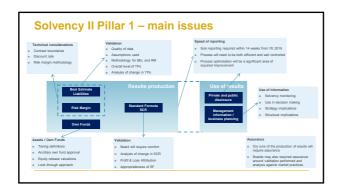
Agenda		
	Intro and brief recap	
	• Pillar 1	
	 Main issues 	
	 Impacts on products 	
	• Pillar 2	
	 Main issues 	
	 Internal Model Approval 	
	• Pillar 3	
	 Actuarial forms and concerns 	
	Timelines	

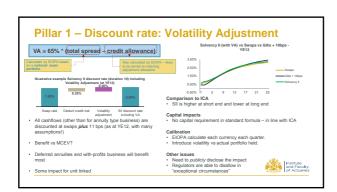


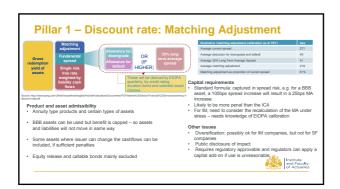




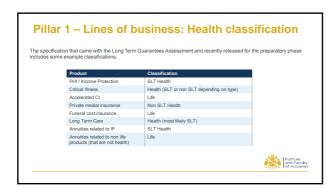


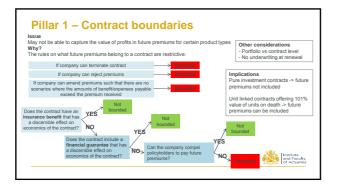






Pillar 1 — Risk margin Calculation 1. Project forward certain components of the SCR 2. Multiply this at each period by 6% 3. Discount this back at the basic risk free rate (i.e. without VA and MA) Internal Models Rax margin / SCR 39% 29% 29% 29% 21% 31% 31% 31% 40% Searched Formulas Rax margin / SCR 24% Searched Formulas A B C D E Average Rax margin / SCR 24% Searched Formulas Rax margin / SCR 24% Searched Formulas A B C D E F O Average Rax margin / SCR 24% Searched Formulas A B C D E F O Average Rax margin / SCR 24% Can it be mitigated? 1. Ongevity risk: ICA = SCR + RM? 1. Management actions within risk margin 2. Longevity swaps? **Hist Margin* Capital Requirements **Hist Margin* Capital Requirements





Pillar 1 - Transitional measures

Transition over 16 years







PRA could require a "recalibration" of the difference every 2 years or when risk profile

Must be approved up the regulator after interpretations that giftight Perfect.

Must be approved by the regulator and the impact of using a must be publicly disclosed.

If not using it would result in a breach of SCR, an annual report must be sent to the
regulator outlining what action has been taken and future action to ensure compliance at
the end of the transition period.

idustry thoughts

Concern that the PRA will limit the benefit of these



Pillar 1 main issues - still to come? Where discussions are heading Last liquid point will be 5 years for GBP and 20 years for EUR Ultimate Forward Rate is 4.2% Convergence period will be 40 years for all currencies The deduction was 10bps was YE2009 (QIS5) and 35bps for YE2011 (LTGA) Latest is that will be equal to 50% of one year average difference betw. LIBOR and overnight index swap rate. But bounded between 10bps and 35bps Institute and Faculty of Actuaries

Pillar 1 – Validation of Technical Provisions

List of validation requirements for technical provisions including:

assumptions (including management actions and discretionary benefits)

adequacy, applicability and relevance of methodology, including approximations used
 appropriateness, completeness and accuracy of data and remedies to limitations

Appropriateness of the level of the technical provisions
 Needs to be carried out:

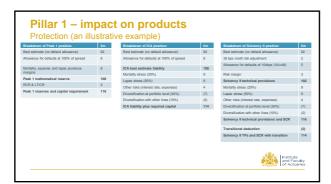
• at HRG level, separately for gross BEL, net BEL and risk margin

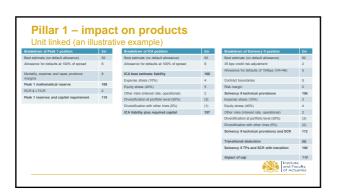
Separately tor technical provisions where a matching adjustment is applied

• Data

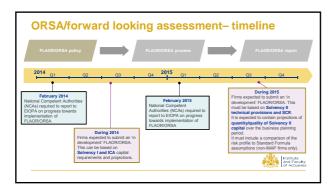
Requirements around data (even for non IM firms) are onerous. How far do you go?











ORSA/forward looking assessment - challenges

Linking everything together – planning, RST, Business model analysis, ORSA etc Getting the ORSA process working throughout the year – not just a one off Making sure the ORSA is sufficiently forward looking Making sure the ORSA picks up all the risks Enhancing systems to do stressed financial projections Embedding in decision making Getting board/senior mgt understanding and buy in



Systems	ot G	iove	rnan	Ce

Most companies have worked on risk management frameworks even in the "down period"

But still work required in some places to ensure all rules are complied with $-\mbox{ e.g.}$

Are all the relevant policies in place?

How is independence of validation achieved

Are the actuarial and risk functions appropriately resourced to deal with

their responsibilities?

Validation work and report needs to be performed pre IMAP

How are the validation tools used?

Split of responsibilities between Line 1 and Line 2



Business use

Solvency monitoring tools may need to be updated and will need to be "backtested"

Begin to consider Solvency II metrics in pricing decisions Strategic considerations – i.e.

Optimal asset mix

What transitionals to use

Use of derivatives

Risk adjusted performance metrics

How to switch to Solvency II in business planning



Internal Model Approval Process

A number of companies are well progressed and planning their final IMAP submission dates

Others are being asked to come back into IMAP by the PRA

Very challenging timelines

Lots of work to pick up where it was dropped previously

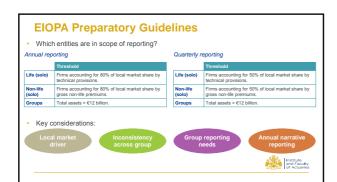
Possibly go into "Phase 2", meaning SF to start with

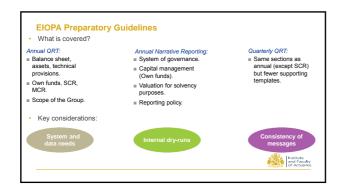
For IMAP, need standard formula and internal model results – plus potential reconciliation to ICA. On top of Solvency I and preparatory Solvency II at YE14.

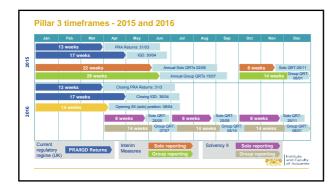
Expert judgements are still getting heavily challenged by the PRA











Quarterly	need technical provisions
Annually:	need SCR
Do not ne	ed a SCR any more frequently than annually.
Crunch ti	ne: YE 2014
	YE14 Solvency I by 31 March
	YE14 preparatory Solvency II by June (including TPs and SCR)
	YE14 IM and SF Solvency II for IMAP (for "Phase 1" firms)
	YE14 ICA – if not aligned to internal model
Also: YE	2015
	Opening SII position and comparison of Solvency I to Solvency II within 14 weeks

Actuarial forms A number of forms are very onerous or complex to complete Decisions to be made around split of lines of business and unbundling (e.g. unit linked with riders) Cash flows by line of business Difficult splits of cashflows for with-profits business Variation analyses are not standard for Life – geared towards Non-Life Requirement for "global lapse rate" and "annualised guarantee rate" – not clear Forms needed for each entity and each ring fenced fund

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	Questions	Comments
	Expressions of individual views by me	
1	Actuaries and its staff are encouraged	d.
	The views expressed in this presenta	tion are those of the presenter.
i	Presenters details: nicholas.ford@kpmg.co.uk 020 7311 5913	I Institute and Figure
_	2 June 2014	of Actuaries