

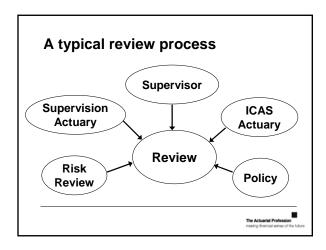
Agenda

- Review process & progress
- Information submitted by firms
- Technical issues
- What does ICG look like?



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A typical review process Internal SubmissionInitial Planning Request Review Discussion FSA Initial Written View with Firm Questions FSA Panel Formal Preview to Firm Process Notification



Progress with the roll-out plan

 Submissions received 	19	
■ Firm visits	13	
Reviews completed	9	
■ Panels	6	
■ Formal ICG given	3	
Numbers rejected	2	
■ Total due in by year end	25	

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Submission letter

- Purpose of the letter
- Three months' notice (currently)
- Coverage of ICA
- Specific requests
- Demonstration of extent to which ICA is embedded
- Format of ICA submission

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A link between methodology and results

- Helpful when firms provide a link between methodology and results in tabular form
- For each fund and block of business...
 - Method used to calculate base liabilities
 - Risks identified and stresses applied
 - Capital requirement of each stress
 - Capital requirements after diversification
 - A link to the overall results

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ICA by fund, ICG by entity & transferability of capital

- An ICA should be calculated for each sub-fund
- Important to understand where capital resources are required and located
- Diversification benefit across sub-funds requires careful justification
- ICG will generally be given at a legal entity level

Identification of major risks faced by your business

- A firm's ICA should be tailored to the risks it faces
- The submission to the FSA should explain how
 - firm specific risks have been identified
 - appropriate stresses have been researched, based on firm's experience

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Management actions – handle with care!

- Can these be taken?
- Would these be taken in reality?
- Practical implementation
- "Ripple" effects
- Think about scenarios

"Use" test

- The extent to which the ICA framework is embedded in the business
- Use is tested via 3 principal questions
 - Senior management engagement?
 - How are the ICA principles and models used for ongoing management purposes?
 - How are ICA results used to influence risk management goals and prioritise activity?

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Value of in force business

- Methodology & assumptions
 - Not being prescribed but...
 - Relate approach to audited version where available and fully explain the reasons for any changes
- Explain the validation process
- Think about tax impacts under stress

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One year versus run-off

- The standard is currently (1-0.005*T)
- Annual solvency checks should be performed
- Nested stochastic simulation not widely employed yet, so -
- Approximations acceptable but err on the side of prudence

Insurance risk – scope for improvement

Catastrophe	Trend	
Mis-estimation	Volatility	

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Operational risk

- A difficult area but expect to see rigour steadily improve
- "Bottom-up" approach required
- Loss data can provide a useful prompt but judgement will continue to be important
- Forward looking

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Reinsurance

- Consider default but also downgrade risk
- Intra-group exposures should not be automatically dismissed
- Highly concentrated exposure, portfolio approaches unlikely to work
- Capital is not the only response

Service companies

- Service agreements may offer some protection but need to be careful and consider
 - Coverage what's in and what's out?
 - Expiry what happens next?
 - Stress does the protection evaporate?

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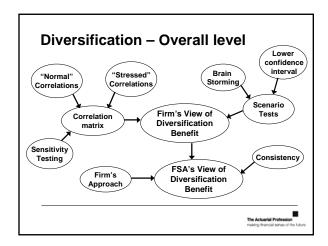
Diversification - Methodology

- Correlation matrix
- Economic scenario generators
- Advantages
- Disadvantages

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Diversification – Correlation assumptions

- Data & general reasoning
- "Normal" condition correlations
- "Stressed" condition correlations
- Sensitivity testing of key correlations



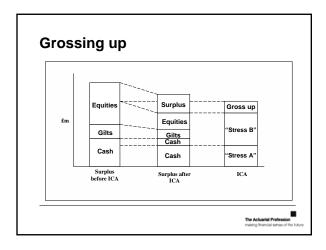
Diversification - Scenarios

- Firms should investigate a range of combined scenarios
- Purposes
- Deriving suitable scenarios
 - Brain storming
 - Reduced confidence interval for each risk
- The FSA may request further scenario work

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Non-linearity

- Occurs where combinations of events drive capital requirements
- Process for quantification
 - Identify scenario constituents
 - Reduce level of each (combined 1-in-200-year event)
 - Run each new stress individually and sum up
 - Run all together
 - Difference gives insights into non-linearity
- Problem is in setting the lower confidence interval for the stresses



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Example expression of ICG

£m	Pillar 1 FSA Returns	Pillar 2 Analysis	Pillar 1 ICG Expression
Available assets	100	110	100
Liabilities	70	65	70
Available capital	30	45	30
Required capital	15 (LTICR)	35 (ICG)	20 (133% LTICR)
Excess capital	15	10	10

Post ICA effective date events

- Firm's circumstances may have changed since the ICA effective date
- Where material, may be factored into ICG decision
- ICA may need to be recalculated if the impact is not easily quantifiable

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Format of ICG letter

- Summary of review items resulting in add-ons
- Expression of ICG in Pillar 1 terms
- The firm's responsibilities
- Expected period to the next assessment
- Appendix further detailed feedback
 - Includes items not resulting in add-ons
 - Ranges for each ICG item

