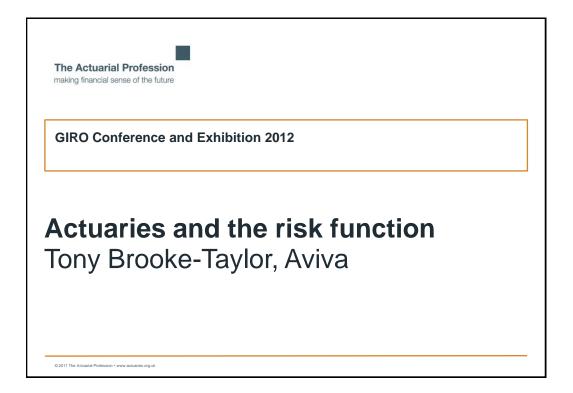
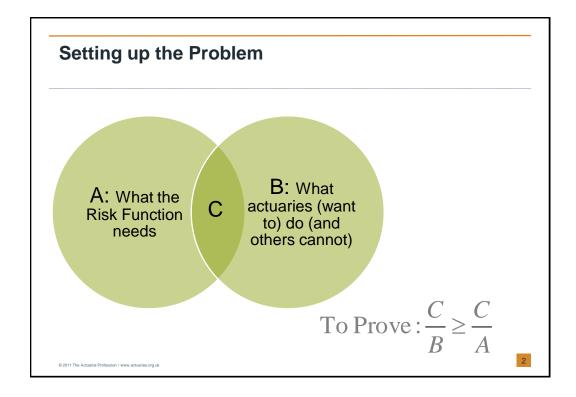
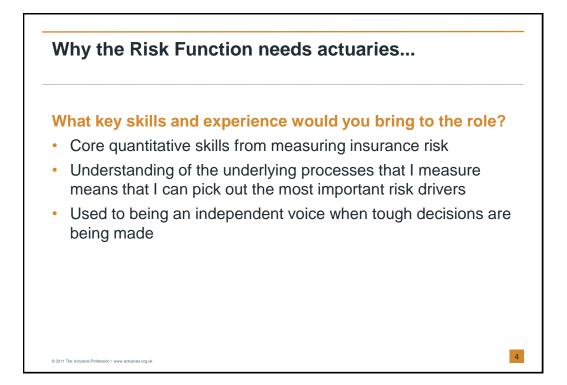
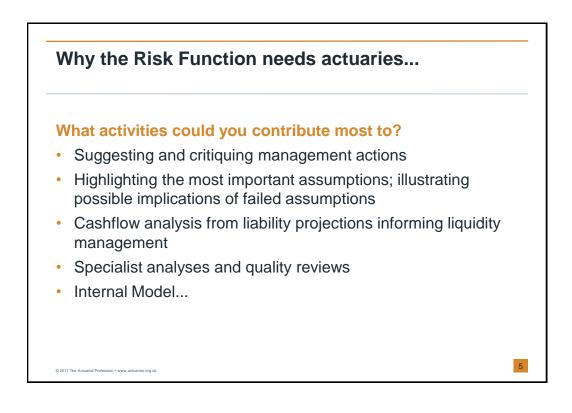
The Actuarial Profession making financial sense of the future	EARNIX Oliver James
GIRO Conference and Exhibition 2012 Juggling uncertainty the actuary's part to play	
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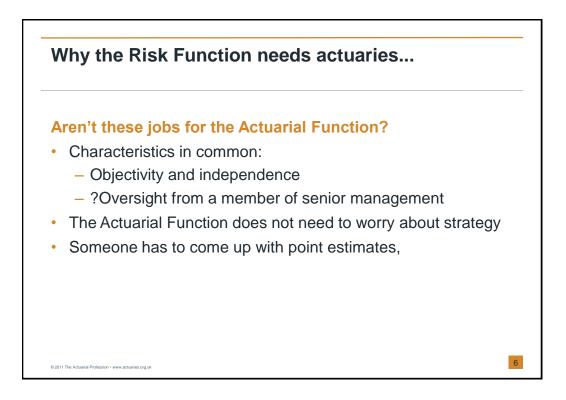


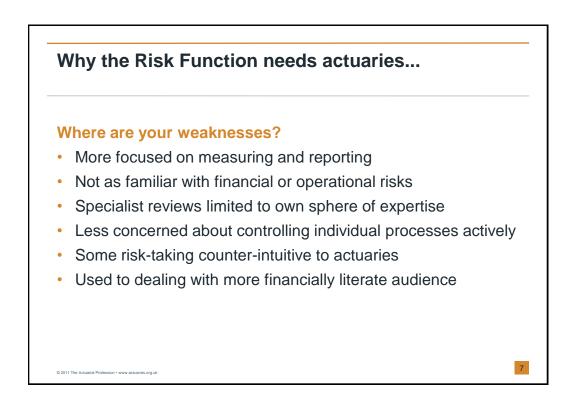


What does the Risk Function need? and which bits can actuaries do?		
Facilitate Implementation	Oversee Risk Management System	
Co-ordinate and challenge	IMMMR	
Report on effectiveness	Risk-taking Strategy	
Report on material risks	Risk Management Strategy	
'Own' Internal Model	Policies	
Design & Implement	Risk Appetite	
Test & Validate	Controls	
Document	ORSA	
Analyse & Report	Underwriting and Reserving	
Inform on Performance	 ALM and Investment 	
<mark>Specialist analysis</mark> and QA	Liquidity and Concentration	
Maintain view of Risk Profile	Operational Risk	
Emerging Risks	 Reinsurance and other mitigation 	









What do Actuaries do?

"... effective risk management tool and not just a calculation kernel..."

Liability Behaviour	Assets/ALM/Operational
Timing, frequency and severity	Cashflow patterns and variability
Classification	Unpicking complexity of financial instruments (but must know limits)
Common risk-drivers (concentration)	Pricing different parts of the loss distribution: informing the reinsurance programme
Correlations with asset types	
Consumption of AEC by underpriced business	Observing features in loss data that might imply operational risk developing
Margins in technical provisions	One firm's operational risk is another insurer's business opportunity
Changes to underwriting limits	Changes to controls?
Pricing guarantees/profit shares	
22011 The Actualial Profession • www.actuaries.org.uk	Processes to ensure good data/stats

