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Solvency Regulation in the U.S. and Abroad Part II - The U.S. Response

CAS Seminar on Reinsurance June 6, 2011

Joseph B. Sieverling Reinsurance Association of America



Presentation Overview

- U.S. Equivalence
- Overview of the NAIC SMI Project
- ORSA ERM as a Regulatory Tool
- Risk-Based Capital Improvement
- Additional background on CAS presentation website
- NAIC SMI Roadmap updated 5/20/11
 AAA Report on P&C RBC Safety Level and Missing Risks 1/31/11



U.S. Equivalence

- Third Country Equivalence is one major Catalyst for Change in the U.S. System
- Reinsurance Collateral Issue a leading indicator
- State Insurance Regulators/NAIC Protect their relevance
- · The Dodd Frank Act is the other main driver
 - FSOC Systemic Risk and Groups
 - · Federal Insurance Office
 - · Non-Admitted and Reinsurance Act Provisions in DFA
- The NAIC and States believe they must improve to remain a player in the regulation of an increasingly
- 4 global industry



Equivalence -What and How?

- Two main elements of Equivalence
 - Solvency II
- Int'l Association of Insurance Supervisors (IAIS) Insurance Core Principles (ICP's)
- How will the U.S. be evaluated?
- IMF/World Bank Financial Sector Assessment Program (FSAP)
- EIOPA standards / EU Commission Third Country Equivalence decisions

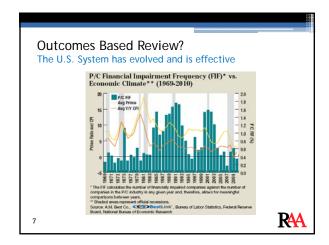
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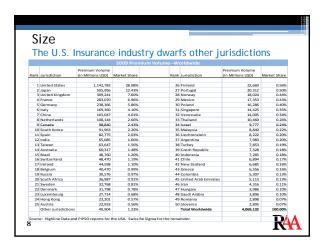


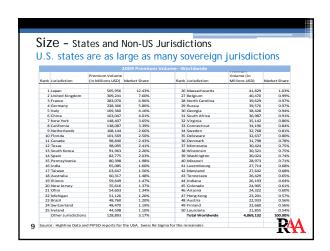
Equivalence -FSAP Review

- $\bullet\,$ U.S. State System Completed FSAP evaluation in 2010
 - Based on old ICP's Revised ICP's currently under development
- NAIC Scored well on all areas except
 - \bullet Supervisory authority, group supervision, anti-money laundering
- Next FSAP review will include revised ICP's including:
- \bullet Supervisory Cooperation and Info Exchange ICP 3
- Corporate governance ICP 7
- Valuation (assets & liabilities) ICP 14
- ERM and Capital Adequacy/Internal Models ICP's 16 & 17
- Group-wide Supervision ICP 23









Overview of the NAIC SMI Project

- · Solvency Modernization Task Force
- Corporate Governance Working Group
- Group Solvency Issues Working Group
- International Solvency Standards and Accounting Working Group
- Principles-based Reserving Working Group
- Reinsurance (E) Task Force
- SMI RBC (E) Working Group

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Corporate Governance Working Group

Objectives

- Review IAIS ICP's regarding corporate governance, ERM and internal controls
- Inventory best practices for CG in the states
- Develop a Whitepaper including high-level standards and best practices recommendations

Controversial Issues

- · Suitability of persons
- Prescriptive requirements
- Overlap with other NAIC/state requirements
- Board legal duties to policyholders
- General over-reach



Int'l Solvency Standards and Accounting Working Group

Objectives

- Evaluate IASB Insurance Accounting standards and determine if they should form the basis of the future regulatory accounting model
- Evaluate other ICP's as appropriate

Current Focus

- ICP 14 Valuation Does "economic valuation" mean that the NAIC will be forced to adopt IASB model?
- Decision on whether to adopt IASB as the basis for SAP accounting depends on GAAP and SEC convergence



Principles-Based Reserving

· Life Principles-based reserving project

- Near completion of NAIC Valuation Manual and reserving methodologies for major product lines
- Using consultant to test the impact on the industry of the completed sections of the VM (Impact Study/Field Test)
- Exploring NAIC's possible role as statistical agent to compile industry PBR data for use by smaller less sophisticated life insurers
- Plan is to finalize guidance and give states a few years to implement the new economic based reserving methodology
- · Industry concerns about the FIT impact

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Reinsurance Task Force

- Reinsurance regulatory modernization (a.k.a. collateral reform
 - Near completion of Revisions to NAIC Model Credit For Reinsurance Model Law and Regulation
 - Provides states with the option of requiring less than 100% collateral for unauthorized reinsurers
 - Integrated with requirements of DFA (NRRA provisions)
 - CFR determined by cedent's domestic regulator
 - Preempts host states from requiring collateral
 - Several states have adopted similar legislation (FL, NY, NJ, IN)
 - \bullet Other states considering legislation (IL, LA, TX)



Group Solvency Issues Working Group

Revised Holding Company Act in 2010

- Annual Form F filing Annual report identifying material risk within the holding co. system that could pose systemic risk to the insurer (financial contagion)
- Increased requirements and reporting of affiliate transactions and management and service agreements
- Required group financial filings to be made to and maintained by the NAIC
- Authorized states to participate in supervisory colleges at the insurance group's expense
- Developing Holding Co. Regulation best practices guidance



Group Solvency Issues Working Group

- Current Projects
 - Own Risk Solvency Assessment (ORSA)
 - Group Capital Requirements or GC Assessment (very preliminary – part of ORSA?)
- Targeted Completion Date of December 2011 for both projects - Very Aggressive!
- Interim Meeting July 2011 Jacksonville
 - Individual co. ERM presentations to regulators



Group Solvency Issues Working Group

- · ORSA NAIC staff draft issued in February
 - · Annual self assessment of all reasonably foreseeable and relevant material risks
 - · Legal entity basis
 - Section 1 Description of RM policies
 - Prescriptive laundry list of risk categories
 - Section 2 Quantitative measurement of risk exposure in normal & stressed scenarios
 - For each risk category, detailed descriptions of risks, assumptions and outcomes
 - Section 3 Prospective Solvency Assessment
 - Projected 3 to 5 year business plan, if lack necessary capital = company action level RBC requirements

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Group Solvency Issues Working Group

- ORSA Industry Response
- Overall too detailed, too prescriptive
- Many thoughtful industry comments
 - Trade associations
- North American CRO Council (new)
- NAIC reaction to comments = positive
- · Possibly roll in group capital assessment into ORSA requirement



Group Solvency Issues Working Group

- · ORSA Summary of industry comments
- S/B principles-based & flexible so compliance is a logical extension of existing ERM practices
- * S/N/B mandated at legal entity level s/b filed on same basis used in management's ERM processes
- Should accept group level ORSA filed by offshore domiciled groups. Offshore jurisdictions should accept U.S. ORSA's
- Should not create new entity level capital requirements (i.e. on an economic basis)
- Evidence of effective ERM should result in a regulatory benefit
- Consider review of ERM on periodic on-site exams as a substitute to annual ORSA filing
- Model Law/Confidentiality protection needed



Risk-Based Capital Improvement

- Solvency Modernization Project
 - Targeted Improvements
- Catastrophe RBC Charge

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Solvency Modernization RBC

- SMI RBC Subgroup charged in 2010 with Modernizing RBC
- Response to FSAP & concerns about U.S. Equivalence
- NAIC Recently Met With CEIOPS comparing to S2 standard formula – concluded RBC → OK
- Will continue work started last year to <u>measure</u> <u>calibration level</u> of RBC and make <u>targeted</u> <u>improvements</u>



SMI - RBC Targeted Improvements (P&C)

- · Revise P&C Risk Correlation/Covariance Methodology
- New Risks
 - · Catastrophe risk charge
- Improve DTA risk charge
- · Consider P&C Interest Rate risk charge
- Consider other missing risks (AAA Report)
- Improve derivation of U/W & Reserve Risk (R4 & R5)
 - · Stochastic/forward looking approach
- Improve derivation of reinsurance credit risk

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SMI - RBC Targeted Improvements (P&C)

- Consider/Introduce Total Balance Sheet Approach
- Calibrate Risk Margin in reserves
- Overall calibration = confidence level over a defined time horizon
- Improve RBC for reinsurers
- Introduce RBC for Captives, RRG's
- Introduce RBC for title and financial and mortgage guaranty insurers

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Catastrophe RBC Charge

- Project has been underway since 2006
- Cat RBC charge replaced statutory cat reserve as preferred approach
- RAA supports the proposal yet there are several tough issues that need resolution
- Views of primary industry are mixed
- Moving rather slowly though priority of NAIC SMI project is likely to accelerate completion

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Catastrophe RBC Charge - Description

- Charge based on 1 of 3 commercially available models
- · Will require a confidential report to regulators
- * 1 in 100 loss level but disclose 1-250, 1-500 & 1-1000
- Hurricane and Earthquake perils only—the two separate computations subject to covariance
- Charge computed gross but will receive negative charge for reinsurance = Net
- Separate contingent credit risk charge for reinsurance = 10%
- No prescribed assumptions/switches, but attest to use test in confidential report

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Catastrophe RBC Charge - Description Cont'd

- NAIC will remove Cat losses included in the existing RBC U/W factors (US Losses)
- Insurers will have to remove cat losses from their own individual RBC calculation
- · Confidential RBC Report
 - Attest Co's cat risk charges used in their RBC model are the same as used to manage risk for the company
 - Commentary & rationale for modeling options/switches (time dependency, demand surge, fire following, etc.)
 - Process for ensuring completeness and accuracy of underlying data including the extent it is geo-coded to GPS or zip code locations
- Exam processes will be added to test cat exposure input data
- Commissioner empowered to reject insurers' models or data and require remedial action

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Catastrophe RBC Charge - Description Cont'd

- $\bullet \;$ Insurers Exempt from Cat RBC Charge
 - Any insurer with property values insured in states bordering Atlantic or Gulf that are less than 5% of surplus
- Any insurer with property values insured for EQ or fire following (in states subject to EQ risk) that are less than 5% of surplus
- $\bullet\,$ Plan is for reporting on confidential basis for two years before full implementation in RBC formula



Catastrophe RBC Charge - Industry Reaction

- $\bullet \; RAA \; Supports Primary \; industry = mixed$
- $\bullet\,$ Prefer 1-250 for all perils vs 1-100 for each
- RBC should consider offset for reinstatement premium and effect of income taxes
- * 10% credit risk charge on modeled reinsurance recoveries too high
- \bullet Should not require short-term models for solvency, while requiring LT models for ratemaking
- Reinsurers exposed to non-US cats will be penalized as these will not be pulled out of the NAIC U/W factors
- Reinsurers aggregate risk and don't always have access to direct insurers' geo-coded risk exposure (if it exists)



