### **NAIC 2009 Fall National Meeting**

Principles-Based Reserving Education Session 7:30-9:00 Maryland Ballroom D



### **NAIC PBA Educational Session**

### PRESENTERS

### Philip Barlow, FSA, MAAA

Chair of the Life Risk Based Capital Working Group Associate Commissioner for Insurance for the DC Department of Insurance, Securities and Banking

Larry J. Bruning, FSA, MAAA, CLU Chair of the Life and Health Actuarial Task Force Chief Actuary, Kansas Insurance Department

> Nancy Bennett, FSA, CERA, MAAA Senior Life Fellow American Academy of Actuaries

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### Outline

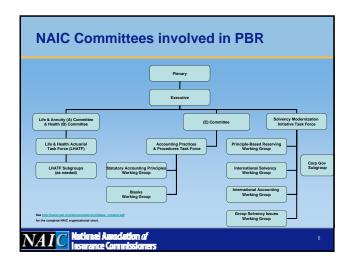
- Introduction and Background-Philip Barlow
  - Principles-Based Reserving Working Group
  - Success of current system, changes, impact of changes, current status, guardrails
  - Major Questions Asked by Opponents of PBR
- PBR 101-Larry Bruning
  - What is it, why needed, impact on consumers, industry, regulators, costs
- American Academy of Actuaries Role with PBR-Nancy Bennett
  - Actuarial Standards of Practice
  - PBA Governance
- Next Steps-Larry Bruning
  - Legislative steps, Timeline, Remaining Items



### Introduction

The Principle-based reserves project has involved many NAIC Committees, Task Forces and Working Groups. Because of the diverse impact on NAIC activities, the Principles-Based Reserving (EX) Working Group was established to facilitate and coordinate the work of the various groups. The following slide identifies many of the groups that have been most heavily involved in the project.





### What is the role of the PBRWG? The Principle-based Reserve Working Group Charges (in part): To serve as a coordinating body with all NAIC technical groups involved with projects related to a principles-based approach to regulation Consider policy and practice issues related to principles-based regulation for life insurance ..., including but not limited to the impact on areas such as corporate governance, examination and analysis, as well as staff resources and other insurance department administrative concerns. Focus on balancing theoretical approaches with effective regulatory practices... Evaluate necessary changes to existing state insurance laws, regulations or administrative policies to effectuate a principles-based regulatory framework.

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### What has changed? Advances in technology allow insurers to increase the complexity of product design with more complex benefits, and guarantees. The more complex benefits and guarantees require insurers to engage in more sophisticated investment strategies, including hedging strategies. These changes result in different risk exposures for insurers on both sides of the balance sheet. Advances in underwriting allow insurers to develop more stratifications of mortality than can be covered by the required mortality tables. Secondary guarantees, additional benefits, policyholder elections, and other features that are not directly recognized in the formulaic reserves take on more significance.

### What is the result?

- The formulaic reserve for some products that consumers find beneficial result in reserves in excess of what may be considered reasonably conservative.
- Benefits, options and guarantees that involve significant risks have little or no reserves under the formulaic reserve calculation.
- Insurers design complicated and possibly confusing products to produce lower reserves than other products offering similar benefits.
- LHATF spends a significant amount of time determining how to fit these product innovations into the existing formulaic reserve process.
- Product designs that are beneficial for consumers are not pursued because they cannot fit into the formulaic reserve calculation.
- As will be discussed in more detail later, the principle-based approach will address all of these concerns.



### Where are we currently?

### Standard Valuation Law (SVL)

- Implementation of the principle-based approach requires states to adopt changes to the SVL which includes the introduction of a Valuation Manual where most of the detail resides.
- The SVL was adopted by LHATF at the Summer NAIC meeting and by both PBRWG and Solvency Modernization Initiative (EX) Task Force on a joint conference call on July 28, 2009.
- The SVL was adopted by the Life Insurance and Annuities (A) Committee on September 9, 2009 subject to two conditions:
  - the Valuation Manual be completed by the end of 2009; and
  - the Valuation Manual include safeguards for minimum prescribed formulaic reserves.
- Executive and Plenary will address the SVL at this meeting.
- The SVL takes effect following adoption by at least three-fourths of the members of the NAIC and 75% of the total direct premium written.



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### Where are we currently?

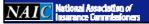
### Valuation Manual (VM)

- "A" Committee requires a complete VM by the end of 2009.
- The complete VM includes all lines covered by the SVL, although initially all lines will not be principle-based.
- For non-principle-based lines, the existing formulaic reserves will be incorporated in the VM.
- Principle-based requirements for variable annuities are complete and requirements for life products are nearing completion.
- No other lines are being contemplated for inclusion in the initial VM.



### What protections are in place as we move to PBR?

- Deterministic Reserve Calculation
  - Calculated assuming a single economic scenario.
  - Serves as a floor for the stochastic amount.
- Net Premium Reserve
  - Being developed by the ACLI.
  - Serves as a basis for tax reserves.
- Corporate Governance Requirements
  - Included in both the SVL and VM.
  - Provides guidance for governance responsibilities of the board, company management, and qualified actuaries with respect to PBR.
- PBR is prospective only, so its impact in early years will be minimal.



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### What are some of the concerns that have been raised?

- PBR simply provides reserve relief for Life Insurance Companies
  - The goal of PBR is to get reserves in line with the risks of the products.
  - Some products may get reserve relief, but only to the extent the formulaic reserve are unduly conservative.
  - New benefits, options and guarantees that involve significant risks, but do not fit in the formulaic reserve process (so have little or no reserves) will generate reserves appropriate to their risk and without waiting for a tweak to the formula by LHATF.



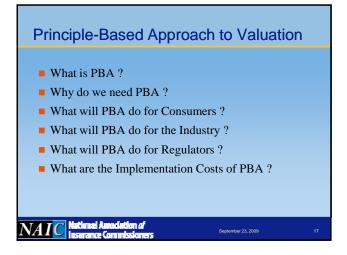
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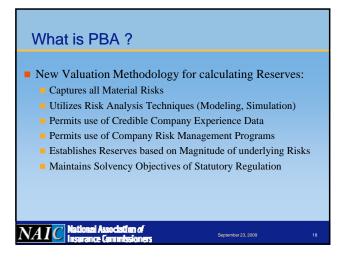
- PBR is costly for small insurers to implement
  - There are features built in to PBR to reduce the burden on small companies.
    - Exclusion tests the VM includes options for small insurers to bypass the principle-based requirements for product lines based on either:
      - Size of the block of business
      - Risk profile of the product line
    - Single state exemption the commissioner may exempt product lines from PBR requirements.

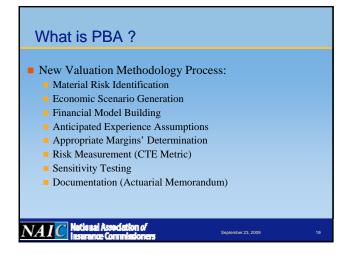
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### Questions? NAIC National Association of Insurance Commissioners

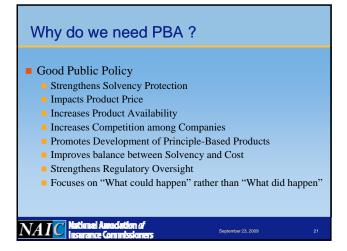
### Larry J. Bruning FSA, MAAA, CLU Chair of the Life and Health Actuarial Task Force Chief Actuary, Kansas Insurance Department Ibruning@ksinsurance.org



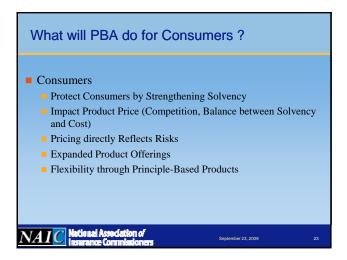


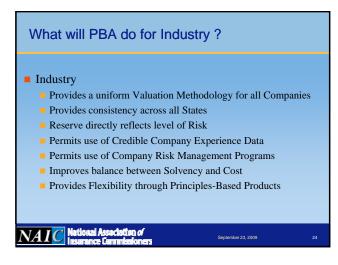


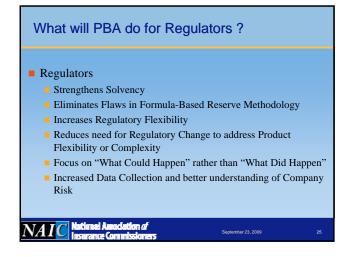


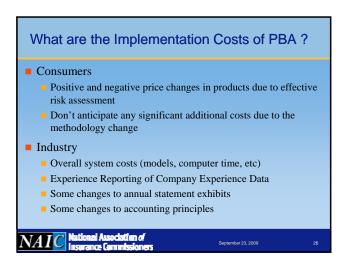




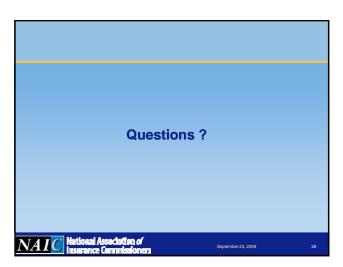




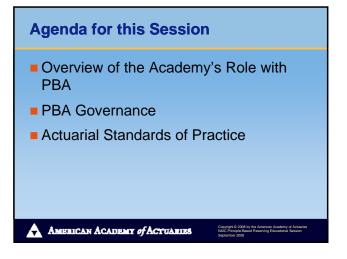




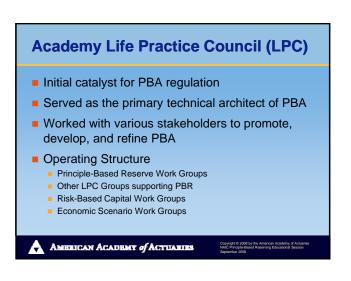




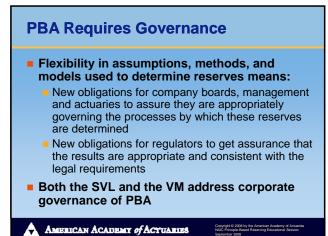
## Principle-Based Approach to Insurance Valuation Educational Session Nancy Bennett, FSA, CERA, MAAA Senior Life Fellow American Academy of Actuaries AMERICAN ACADEMY OF ACTUALDS



# American Academy of Actuaries Mission: The Academy's mission is to serve the public on behalf of the United States actuarial profession. Provides independent and objective actuarial analysis Identifies and addresses issues where actuarial science provides a unique understanding Provides high professional standards of actuarial qualification, practice, and conduct







# PBA Governance within the SVL The SVL primarily points to the VM for governance, but does specifically: Require that PBR assumptions, methods and models must be consistent with (but not necessarily identical to) those used in other company risk assessment processes Require that the company annually provide to the commissioner and the board a certification of the effectiveness of internal controls with respect to the PBR valuations AMBRICAN ACADDMY OF ACTUALDS CONTROL OF ACTUALDS

