

Session 119: Life Product Update

SOA Antitrust Compliance Guidelines SOA Presentation Disclaimer



Session 119 | Life Product Update

Jordan Givan FSA, MAAA, CERA Katie van Ryn FSA, MAAA

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Life Product Update

2019 SOA ANNUAL MEETING TORONTO, OCTOBER 29, 2019

Katie van Ryn, FSA, MAAA





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Agenda

This portion of the presentation will focus on regulatory changes and the impact they have had on life product development

1	Overview of regulatory changes	i
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3	Actuarial Guideline XLIX ("AG 49") deep dive	
4	Key take-aways	3





Today





Governing body & goals

- Governing body: Financial Accounting Standards Board (FASB)
- **Goals:** Improve, simplify and enhance the financial reporting of longduration contracts

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Scope & timeline

- **Scope:** Impacts both existing and new business for all long duration contracts for insurers that prepare US GAAP financial statements
- **Timeline:** Effective date of January 1, 2022 with eight quarters of comparable financials starting January 1, 2020



Key changes

- Simplify amortization of deferred acquisition costs
- Reflect experience and updates in best estimate assumptions for traditional and limited pay liabilities
- Consistent fair value accounting for market-based guarantees
- Enhance effectiveness of required disclosures



Risk-Based Capital

Refinements to the factor-based NAIC RBC framework are underway; this is in addition to changes in RBC factors at YE2018 for tax reform



Governing body & goals

- Governing body: NAIC and associated committees and task forces
- Goals: Improve the measurement of the minimum amount of capital to support ongoing business operations for a reporting entity and across reporting entities

Scope & timeline

- Operational risk went live at year-end 2018
- Timing for C-1 and longevity is year-end 2020 at the earliest
- Other changes are actively being considered
- NAIC continuing to do field tests for Group Capital Calculation



Key changes

- Operational risk component = 3% of total RBC
- C-1 factors more granular
- Addition of longevity risk and possible covariance with mortality
- Capital calculated at the group level in addition to legal entity level



Life PBR will apply to life new business issued after 1/1/2020; industry implementations were generally backloaded



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Governing body & goals

- **Governing body:** National Association of Insurance Commissioners (NAIC) and associated committees and task forces
- **Goals:** Move to a principles-based framework for the calculation of life insurance reserves; right-size reserves to reduce the use of captives and reserve financing

Scope & timeline

- Applies to all individual life policies (including reinsurance assumed) issued on or after 1/1/2020 as well as any business moved to PBR during the optional 3-year implementation period
- Requirements are prescribed in the NAIC Valuation Manual under VM-20

Key changes

- PBR is the maximum of three reserve components; a formulaic floor and two modeled reserve components
- The NAIC Valuation Manual is a living document, with an updated version released each year; changes will be retroactive





Background

This section contains select results from a survey that Oliver Wyman conducted in 2019 related to PBR implementation plans



Respondents were asked to describe their practices as of December 31, 2018

All products

PBR has been analyzed on more than half of survey participants' products and implementations are heavily back-loaded





2018

60% Life writers have analyzed the impact of PBR on more than half their products

Q3 2019

Q4 2019

2020 +



Q2 2019

Q1 2019

2017

Term

A large majority of writers have analyzed PBR on their Term products and tend to see large reserve decreases





90% of Term writers have analyzed the impact of PBR on their offerings





Universal life with secondary guarantee (ULSG) PBR readiness for ULSG is the second highest and most participants are seeing small changes in profitability under PBR







Whole Life (WL)

Adoption is delayed to Q4 2019 and beyond for a majority of WL writers and most expect to be exempt from modeled reserve requirements





56% of WL writers have analyzed the impact of PBR on their offerings





57%

Indexed universal life with secondary guarantee (IUL SG) A majority of writers have analyzed PBR on their IUL SG products and tend to see small impacts on reserves and profitability







Variable universal life with secondary guarantee (VUL SG) Less than half of writers have analyzed PBR on their VUL SG products and tend to see small decreases in profitability









Key provisions

3 AG 49 aims to provide guidance in determining a maximum illustrated rate and to limit policy loan leverage for EIUL illustrations

1	Benchmark Index Account	1-year point-to-point S&P 500 index account. Annual cap, 100% participation rate, 0% annual floor.
2	Back casting	Average of 25-year geometric average rates of return beginning 66 years before the current calendar year
3	Disciplined current scale	Earned interest rate is capped by 145% of the general account net investment earnings rate (excluding hedges)
4	Policy Loans	Difference between assumed illustrated credited rate on borrowed amounts and illustrated loan charged rate is limited to 100bps
5	Disclosures	"Alternative Scale" which assumes 100% allocation to fixed account Max/min values from the back casting calculation



Regulatory Timeline AG 49 has been in place since 9/1/2015 for early adopters and has been mandatory since 3/1/2017



As sales of IUL products continue to increase, renewed focus is required on AG49



Product design

New product designs that have emerged since AG 49 have sparked concerns over the effectiveness of the regulation

There is an IUL illustration activity that is raising red flags... In particular, IUL policies that use indexed return multipliers did not exist when AG 49 was developed.

Fred Andersen, Chair of the NAIC's IUL Illustration (A) Subgroup

The IUL illustrations subgroup was reformed and is holding meetings to discuss future changes to AG 49

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Current discussions A "Menu of Options" was developed from the IUL illustration subgroup discussions

MENU OF OPTIONS - IUL ILLUSTRATIONS - MAY 24, 2019

iD	(D)isclosure* or (B)eyond Disclosure	Category	Possible Details	Requiring change beyond AG 49?	Undo past AG 49 decision?
1	D	Summary Page of key metrics	Compare accumulated value by duration & lapse duration under standardized scenarios		2
2	D	Signatures required on key pages	On pages disclosing charges, loan impact, potential downside	li il	1
3	D	Disclose charges & credits	Including transparency regarding growth from the multipliers, bonuses, high par rate	1	
4	D	Demonstrate volatility	Add lower illustration, add multiple scenarios, disclose sequence of returns	0	
5	D	Project up and down index performance	Add two one-year projections: one increasing 20% for the year, the other decreasing 20%)()	
6	D	Clarify alternate scale	Same allocation as illustrated scale or 100% allocation to fixed option?)(,	
7	D	Follow spirit of AG 49	Reasonable net returns and limitations on loan leverage	1.7	ù
8	D	Illustrate reasonable growth and minimal (guaranteed) growth	Zero growth should be one illustratration if zero is the guarantee	11	·
9	D	Update illustrations every x years	Possibly every 5 years	11.11	11
10	D	Provide narrative statement on downside	Possibility of worse performance than illustrated, volatility, insufficient premium	1	
11	D	Disclose premium required to achieve goals	Under different credited interest assumptions	?	
12	D	Show cost and value of insurance instead of the risk-return tradeoff in investments	Compare the IUL and S&P 500 accumulations to the IUL guaranteed benefits		
13	в	Clarify whether charges can impact assumed earned interest underlying the DCS	Instead of hedge budget accumulated at 145%, budget + charges accumulated in some cases		
14	В	Limit the use of variable / index loans	Include all policy credits in the 1% arbitrage limit, plus other constraints	1 1	
15	В	Have consistent treatment of various IUL product types	Consistent illustrations & DCS testing for traditional, multipliers, bonuses, & high par rates	· · · · ·	1.1
16	В	Application of AG 49 constraints to cash value internal rate of return	Eliminate disconnect between credited rates and accumulated value		
17	В	illustrate volatile returns, not constant growth	Replace illustrated scale with multiple illustrations showing upside and downside	x	
18	В	Use Monte Carlo simulations instead of single credited rate	Produce likelihood of policy surviving to certain age	×	
19	В	Converge indexed annuity and indexed life insurance illustration requirements	Have scales representing the worst, best, and average historical periods	x	
20	В	Make structural changes to life illustrations	Would be an A Committee decision & issue	x	
21	В	Review Life Illustrations Model Regulation #582	Would be an A Committee decision & issue	x	
22	В	Cap illustrated rates at 110% of fixed account rate	Eliminate the Benchmark Index Account and options return assumption within AG 49]]	x
23	в	Place hard ceiling on the credited rate & accumulated values	e.g., no credited rates of over 6.75% or accumulated value increases above x%		х

* Disclosure means will not impact numbers in the illustrated scale or the disciplined current scale provided at sale

Source: https://content.naic.org/sites/default/files/inline-files/IUL%20Illustration%20Menu%20of%20Options%20-%20052419.pdf



Current discussions The "Menu of Options" was simplified to two questions for immediate attention

"Should a product with the multiplier feature illustrate a higher scale than a product without multiplier features?"

2 "To what extent should the 145% disciplined current scale factor apply to charges supporting bonuses and multipliers?"

The December NAIC meeting is the earliest that changes to AG 49 could go into effect





1 The impact of potential regulatory changes should be considered throughout the product development process

2 2017 CSO and PBR implementations will create significant changes to individual life product offerings over the next few months

3 There is a continued precedent of regulatory intervention in areas for which significant discretion exists





Life Product Update

2019 SOA Annual Meeting

Current market snapshot



Perspective The size of our life market (US)

Consumer spend:	1% of GDP
Risk covered:	\$20 trillion
Lives:	57% of pop.
Protection Gap:	\$27 trillion





Declining Policy Sales

After stabilizing for a few years after the financial crisis, the number of newly issued individual life policies fell below 10 million in 2013, the lowest level since the industry began tracking this statistic in 1940



Sources: ACLI, LIMRA, Swiss Re ER&C

What's Being Sold Product type breakdowns

Product trend by premium volume



2018 by premium volume, sum assured, and policies



Source: US Individual Life Insurance Yearbook by LL Global/LIMRA 2018

How it's Sold Distribution channel breakdown

2018 by premium volume, sum assured, and policies





Source: US Individual Life Insurance Yearbook by LL Global/LIMRA 2018

Life + ... Riders and combination products

- Waiver of premium
- Term conversion
- Acceleration for terminal and chronic illness
- Long-term care

Accelerated underwriting



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Current state

Adoption by product ~80% term ~40% UL ~30% WL Common cutoffs max age: 60 max face: \$1m

> Avg. straight through ~40% eligible ~15% AUW



What's ahead





Expansion

By increasing age and/or face amount limits, STP can be increased but tradeoff between UW savings and mortality cost becomes more tenuous.

EHRs

Potential to source APS-type information more effectively. However, current hit rates are relatively low and its application is uncertain.

Monitoring

As mortality experience will take time to emerge, random holdouts and post-issue audits are key to study UW decisions.

PBR

Setting an appropriate mortality assumption. Considerations of using prior company experience and setting an appropriate load.



NY Circular

AUWG developing best practice proposal. Vendors and carriers needing to prove lack of discrimination.

Potential market disruptors



New Entrants Overview

Many relatively small new entrants with several incumbents launching own DTCs

Target audience: millennials, young parents

Products: 10, 15, 20, 30 year term

Offering more than convenience

Challenges

- direct channel declining 1% last 5 years
- our industry vs the disrupted
- social responsibility vs alternatives



Source: Millennials & Modern Insurance by Coverager, 2018

Swiss Re

Any questions?

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