





# LOW-INTEREST RATE TASK FORCE

Readiness Subcommittee - Meeting #3

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### **AGENDA**

STATUS UPDATE	5 minutes
REGULATORY PROGRESS UPDATE (ACLI)	20 minutes
READINESS PROGRESS UPDATE	10 minutes
SPRINTS – INITIAL FINDINGS	20 minutes
OPEN DISCUSSION AND NEXT STEPS	5 minutes

APPENDIX 1: SPRINTS - INITIAL FINDINGS

APPENDIX 2: TASK FORCE & SPRINT PARTICIPANTS

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#### **STATUS UPDATE: STATUS & REVISED WORKPLAN**

- Our accelerated **Readiness** workstream timeline has resulted in progress on several efforts:
  - Launched sprints on high-priority issues and identified initial findings
  - Developing surveys to provide additional context on industry practices
- Near-term meeting cadence:
  - Weekly Readiness Sub-Committee meetings (Thursdays at 3pm)
  - Bi-weekly Task Force SteerCo meetings (next meeting: 4/7)

#### **READINESS:** LAUNCHED SPRINTS ON HIGH-PRIORITY TOPICS

#### **Process update**

- Initial meetings have been held for each sprint, focusing on:
  - Agreeing on key challenges that life insurers are facing in light of current market conditions
  - Identifying emerging best practices in response to these challenges
- We have identified initial views and challenges for each of the sprints (see next slides and appendix)
- We are launching surveys for selected sprint topics (e.g., COVID-19 mortality, CFT, New business, ALM)
  - Surveys being developed in partnership with SOA
- Sprint follow-up calls to be held over the next two weeks

#### **Sprint topics**

- Cash flow testing 3/26 kickoff
- COVID-19 mortality 3/26 kickoff
- VA/FIA hedging 3/27 kickoff
- New business & products 3/27 kickoff
- ALM 3/30 kickoff
- Social distance & distribution 3/31 kickoff

# **READINESS: INITIAL SPRINT FINDINGS (1/2)**

Topic	Initial views & challenges raised to date		
Sprint #1: VA/FIA hedging	<ul> <li>While recent high market volatility has challenged VAs and FIA hedging programs, participants felt that these programs and managed vol funds have largely performed as expected to date</li> </ul>		
	<ul> <li>Top concerns raised were:</li> <li>Combined impact of low rates/high volatility on hedging costs</li> <li>Emerging lapse experience &amp; GA transfers (with limited and mixed early results)</li> </ul>		
	<ul> <li>Several participants indicated that they are exploring shifts in strategy (static vs. dynamic, hedging instruments), trade frequency/triggers in response to high vol/market gaps</li> </ul>		
Sprint #2: New business & product	<ul> <li>Participants described a difficult new business environment characterized by pricing challenges, tighter underwriting, and questions on the customer value proposition of produce</li> </ul>		
•	<ul> <li>Insurers may consider feature changes (e.g., hedging features, rates, and profit participation mechanism) as a source of relief, but are concerned around refiling approval and speed</li> </ul>		
	<ul> <li>Participants expressed interest in learning about quickly how the industry is responding with pricing and product changes</li> </ul>		
Sprint #3: ALM	<ul> <li>Broad agreement that top challenge is managing duration gaps within the portfolio, although several "secondary" challenges:</li> </ul>		
	<ul> <li>Assets: managing short-term liquidity vs. credit spread volatility, near-term asset availability, need to prepare for scenario where spreads tighten, defaults expectations</li> </ul>		
	<ul> <li>Liabilities: flexible premium products, MVA (where tied to risk-free rates), complex duration/convexity profiles, policyholder behavior if rates rise</li> </ul>		
	<ul> <li>Actions considered &amp; potential ALM strategy decisions include increased monitoring, changes to ALM appetite, portfolio extension (i.e., lock-in impact); also considering LDTI in decisions</li> </ul>		

# **READINESS: INITIAL SPRINT FINDINGS (2/2)**

Topic	Initial views & challenges raised to date
Sprint #4: CFT	Many participants have received inquires from rating agencies on CFT impact
	<ul> <li>Core concerns and attention is centered around scenarios used in CFT:</li> </ul>
	<ul> <li>Evolving approach to assess impact of market conditions on CFT (e.g., initial focus on immediate impacts, growing focus on planning for year-end)</li> </ul>
	<ul> <li>Topics of focus included: base scenarios, range of scenarios, testing frequency, negative rates, spread widening, definition of moderately adverse, mean reversion targets</li> </ul>
	At this point, no expectation on changes to non-economic assumptions (not in focus)
Sprint #5: COVID-19 mortality	• Initial focus on mortality (vs. morbidity), recognizing that there may be secondary impacts
	<ul> <li>Significant unknowns: ultimate infection rate, containment effort effectiveness, health care system capacity, potential relapse (e.g., next fall/winter)</li> </ul>
	<ul> <li>Challenges identified around communication with stakeholder groups (including senior management, regulators, and rating agencies) given limited / inconsistent data sources</li> </ul>
	<ul> <li>Participants expressed interest in understanding scenarios others were modeling, and changes to life underwriting and product availability</li> </ul>
Sprint #6: Social distance & distribution	<ul> <li>Participants discussed operational challenges faced by agents, carriers, and agents with work from home / social distancing</li> </ul>
	<ul> <li>Some processes are slowly transitioning to become more digital (e-sign, contract delivery), while others are left with truly disrupted (paramed disruption, prospecting, client servicing)</li> </ul>
	<ul> <li>Participants expressed interest in gaining a broader perspective from ground agents and carriers on their challenges</li> </ul>

#### **OPEN DISCUSSION AND NEXT STEPS**

- Any other topics for discussion?
- Proposed agenda for next Working Group call (4/9, 3pm)
  - Key developments from readiness sprints
  - Update on advocacy efforts

# APPENDIX 1: SPRINTS – DETAILED INITIAL FINDINGS

### **SPRINT #1: VA/FIA HEDGING**

Challenges of low interest rates / market volatility related to VA / FIA hedging

Topic	Initial views & challenges raised to date
High volatility & options costs	<ul> <li>Combination of volatility and low rates has increased options cost with implications to new business:</li> <li>Near-term: implications for setting rates</li> </ul>
	<ul> <li>Longer-term: questions on product features, value proposition of certain products</li> </ul>
	<ul> <li>Most companies are operating with expectation that options costs will revert over longer-term</li> </ul>
	Concerns on potential for liquidity challenges in the futures market
Hedge performance	<ul> <li>Significant management focus on this topic – with need for "real time" updates on hedge performance</li> </ul>
	<ul> <li>Hedge programs have largely performed as designed – that is, with losses/breakage as expected for the current market environment/strategies</li> </ul>
	<ul> <li>No significant concerns on hedge effectiveness, basis risk remained a concern</li> </ul>
Hedge strategy	<ul> <li>Strategy: re-visiting choice of static vs. dynamic hedging to address observed limitations</li> </ul>
	<ul> <li>Instruments: evaluating new instruments to address options cost, market gaps</li> </ul>
	• Triggers: adjusting triggers to avoid rebalancing multiple times per day, and associated transaction costs
Risk controlled funds	Risk controlled funds performing as intended
Policyholder behavior	<ul> <li>Carefully watching emerging lapse behavior, with limited and mixed early results</li> </ul>
	To-date, slightly uptick in transfers to fixed funds, but less than observed during the financial crisis
Remote working	Overall, no major challenges with transitioning hedging teams to fully remote-working
	<ul> <li>Minor challenges: occasional lags in technology / speed; initial access to resources (Bloomberg)</li> </ul>

### **SPRINT #2: NEW BUSINESS & PRODUCT**

Challenges of low interest rates related to new business and products

Category	Initial challenges & considerations		
Challenging product economics	<ul> <li>Low rates create new business and product challenges (e.g. declining customer value proposition, increasing capital requirements for new business in the current rate environment, changes to policyholder behavior)</li> </ul>		
	<ul> <li>In addition to rates, increased cost of hedging, (potentially) rising spreads/default risk, increased / uncertain mortality &amp; morbidity, and underwriting uncertainty all contribute to a challenging pricing environment</li> </ul>		
	<ul> <li>These concerns will affect volumes, below-hurdle profitability and deteriorating distribution</li> </ul>		
	<ul> <li>Insurers may consider feature changes (e.g., hedging features, rates, and profit participation mechanism) as a source of relief, but are concerned around refiling approval and speed</li> </ul>		
Pricing volatility	Rapid movements in interest rates, spreads and equities have made it difficult to keep up with pricing		
Challenging sales &	There is some concern around potential mis selling claims and increased regulatory scrutiny of products		
tighter underwriting process	<ul> <li>Tighter underwriting resulting from increased/uncertain mortality may lead insurers to consider exclusions/waiting periods for recent travel, shutting business in specific geographies and repricing</li> </ul>		
Distribution	There is concern that if annuities become less attractive, advisors will shift to other products		
	<ul> <li>However, guaranteed products have appeal in this volatile environment</li> </ul>		
	<ul> <li>If rates stay low for long, there are concerns around ability to support captive agency cost-base, recruit new talent, and ability to train distribution to sell new products less-focused on guarantees</li> </ul>		
Communication	<ul> <li>Agents face challenges talking when talking to customers about recent market volatility and illustrating products features</li> </ul>		

# **SPRINT #3: ALM**

Challenges of low interest rates related to ALM

Category	Initial challenges & considerations			
Impact of low rates on ALM	<ul> <li>Broad agreement that top challenge is managing duration gaps within the portfolio, but also that decision to close ALM gaps is a trade-off between mitigating future risk and locking in losses</li> </ul>			
	<ul> <li>Asset-related challenges:         <ul> <li>Managing short-term liquidity needs vs. increased credit spread volatility</li> <li>Decreased portfolio yields &amp; reinvestment rates</li> <li>Higher expected volatility increases cost of options</li> <li>Default risk</li> </ul> </li> </ul>			
	Liability-related challenges:			
	<ul> <li>Ability to support guarantees identified as a challenge by several participants</li> </ul>			
	<ul> <li>Uncertainty around policyholder behavior (e.g., flexible premiums, lapse)</li> </ul>			
	— MVAs linked to risk-free rate, not portfolio yield			
Go-forward expectations	<ul> <li>Continuing to evaluate expectations for this year: Shape &amp; slope changes, spread movements, government actions (e.g., Federal stimulus), including:         <ul> <li>Potential for negative rates in line with historical experiences in other countries</li> <li>Scenarios with continued lower rates and narrower spreads</li> <li>Most see low risk of inflation, with possible exception in targeted areas (i.e. long-term care)</li> </ul> </li> </ul>			
	Also evaluating changes to long-term modeling (mean reversion parameters, equity returns)			
Potential responses & actions	<ul> <li>Adjust investment allocation, but also concern that assumptions such as a correlation between lower rates and lower volatility could drive risker investment allocation and may not hold in this market environment</li> </ul>			
	<ul> <li>Move to sensitivity analysis to calculate duration at different rate levels rather than using convexity (e.g., "duration trading grid") given complex duration profile arising from impact of liability floors</li> </ul>			
	<ul> <li>Increased monitoring of liquidity (e.g., monthly to weekly) and policyholder behavior (e.g., loan utilization, additional premiums)</li> </ul>			

# **SPRINT #4: CASH FLOW TESTING**

Challenges of low interest rates related to CFT/AAT

Category	Initial challenges & considerations
Impact & assessment	<ul> <li>Top priority for companies is understanding the impact of the market environment on year-end CFT results         <ul> <li>Initial focus on assessing immediate impacts</li> <li>Gradual transition towards planning &amp; risk mitigation</li> <li>"What if" scenarios used to evaluate potential actions (e.g., investments, product management)</li> </ul> </li> <li>Several companies have re-run CFT; range of frequencies planned for rest of year</li> <li>Concerns on the objectives &amp; use of CFT while in a "tail" scenario</li> </ul>
Scenarios	<ul> <li>Use of CFT to assess adequacy of reserves vs. usage of capital</li> <li>Interest in understanding the range of industry practices for CFT in new market environment</li> <li>Baseline and range of expectations for this year</li> <li>Negative rates (determinist and stochastic) and mean reversion targets (stochastic)</li> <li>Credit spreads</li> <li>NY-specific CFT challenges: hedge rebalancing, credit spread caps</li> </ul>
	<ul> <li>Senior management increasingly engaged in discussions on negative rate scenarios and mean reversion targets ("how low for how long?")</li> </ul>
Methodology	No expectation of changes to non-economic assumptions; preference to retain actuarial discretion
Communication	<ul> <li>Majority of the participants had received questions from rating agencies on CFT</li> <li>Qualitative &amp; quantitative requests (e.g., running CFT with more severe assumptions)</li> <li>Impact of low interest rates &amp; equity markets</li> </ul>

# **SPRINT #5: COVID-19 MORTALITY**

Potential implications of COVID-19 related to mortality/morbidity for insurers

Topic	Initial views & challenges raised to date				
Disease scenario	• Significant unknowns remain: ultimate infection rate, containment effort effectiveness, health care system capacity, potential relapse (e.g., next fall/winter)				
	<ul> <li>As a result, insurers need to consider a wide range of scenarios</li> </ul>				
Mortality scenario	For most participants, the initial priority is mortality (vs. morbidity)				
	<ul> <li>In addition to the disease uncertainty, ultimate impact will depend on more complex factors</li> <li>Mortality by age (e.g., vs. exposure by age)</li> <li>Secondary mortality related to non-COVID cases due to an overwhelmed health care system</li> <li>Impact of morbidity on mortality</li> </ul>				
	<ul> <li>Companies have used a range of modeling strategies and data sources; participants expressed interest in scenarios others were modeling</li> </ul>				
Life insurance claims	<ul> <li>Will be challenging to identify deaths related to COVD-19 (vs. pneumonia), and claims processes may be difficult (e.g., ability to get death certificates)</li> </ul>				
New business	Increased difficulty of underwriting new policies due to social distancing				
	<ul> <li>Limited metrics available to assess COVID-19 mortality risk (e.g., travel history may not be effective in areas with community spread)</li> </ul>				
Communication	<ul> <li>Communications have already started with regulators and ratings agencies; however, most attention is on economic impacts rather than COVID-19 mortality</li> </ul>				
	<ul> <li>Significant time is being spent responding to questions from senior management, who are reacting to volatile news and emerging studies</li> </ul>				
Reinsurance	<ul> <li>Reinsurer exposure to COVID-19 may be valuable as a forward-looking indicator; some concern about availability of life reinsurance</li> </ul>				
A.I					

#### SPRINT #6 – SOCIAL DISTANCING & DISTRIBUTION

The current environment highlights operationally archaic business models, but this may provide impetus for positive industry change

#### **Distribution process**

#### **Process step**

# **Prospecting** Financial planning **Product sale** Medical underwriting Fulfillment / documents Servicing

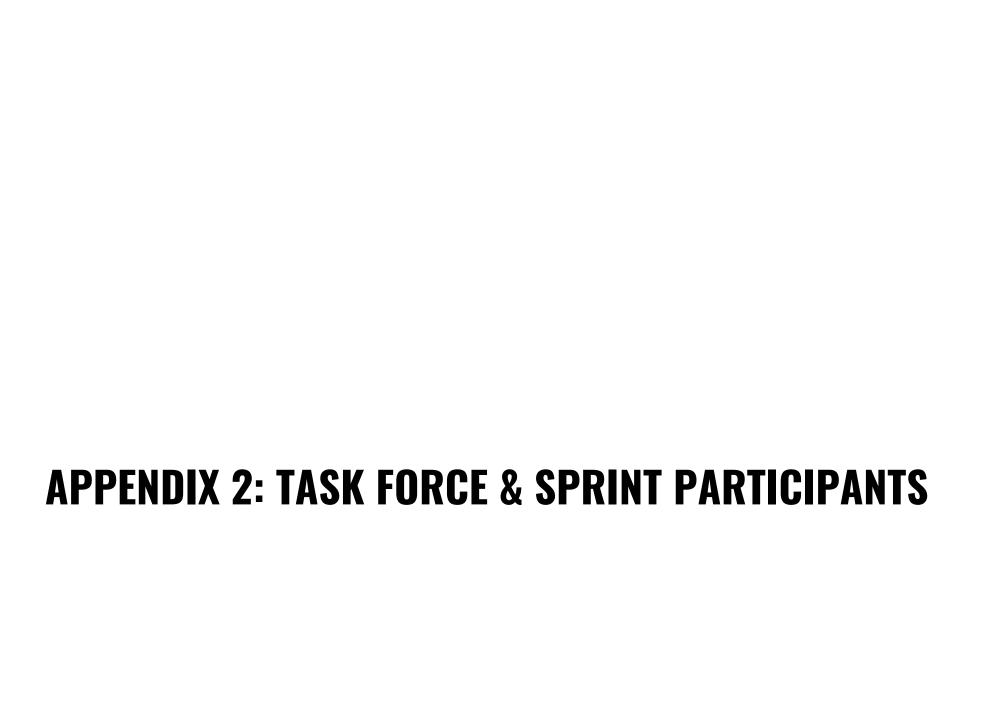
#### Initial views & challenges raised to date

- Agents/branches are in survival mode, and not necessarily focused on pipeline
- "Finding prospective clients is nearly impossible"
- Retirement plan business for 403B plans relies on in-person interactions between teachers/school officials and financial advisors
- Clients/agents may not be comfortable with technology or have restricted ability (e.g., lack of internet access)
- There are varying impacts on ability to sell product, some are experiencing disruptions, others are steady but limited pipeline
- Swing away from VA business to Fixed index and buffered annuities
- In-person paramedic disruption, both on supply and demand sides
- Participants recognized the need to relax standards for underwriting, hold them off completely or identify creative digital underwriting solutions catered to risk-appetite
- Lack of comfort of some distributors going digital (e.g. electronic contract delivery, e-sign)
- E-sign / docusign regulations vary by state
- Moving from opt-in versus opt-out on e-delivery
- Strain on call centers and mail mediations with shelter in place
- Lack of personal connection with clients
- Managing antiquated state laws with wet-signature rules (e.g., Section 1035 exchange)

#### Wholesaling

#### Initial views & challenges raised to date

- Shift away from traditional in-person client/advisor relationship and delivery, and disruption of the wholesalers' day-to-day work (e.g., increased information flow)
- Difficulty recruiting producers, new talent and prospective clients
- Impediments to obtaining and maintaining licenses, which may require on-site testing, and in-person finger-printing



# **READINESS & ADVOCACY SUBCOMMITTEE**

#### **MEMBERS**

Keith Werschke	Pacific Life
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Michael Slipowitz	Guardian Life
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Ken McCullum	Principal
Todd Henderson	Western & Southern
Dennis Martin	Oneamerica
Tim Corbett	Mass Mutual
Ellen Cooper	Lincoln
Raj Krishnan	F&G Life
Paul Gerard	Ohio National
Liz Brill	NY Life
Tom Leonardi	AIG
Jim Mikus	Ameritas
Cliff Lange	Boston Mutual
Joe Engelhard	Met Life
Joel Steinberg	New York Life
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# **SPRINT PARTICIPANTS**

1. VA/FIA hedging	2. New business & products	3. ALM	4. Cash flow testing	5. COVID-19 morbidity & mortality	6. Social distance & distribution
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