

Introducing Brian and Kenny



Brian Ring

- Field testing the Insurance Capital Standard as well as Solvency II reporting in previous role
- Developing IFRS 17 implementation plans, and
- Supporting Solvency II implementations including IMAP, TMTP applications



Kenny McIvor

- Consulting to regulators on solvency regimes in Asia and the Middle East
- Developing Willis Towers Watson articles on the activities of the IAIS, and
- Supporting Solvency II implementations, including IMAP, MA, TMTP applications



Agenda

IAIS and its work

Comparisons between Solvency II and the ICS

Balance Sheet

Yield Curves and Discounting

Margin Over Current Estimate

Standard Method and Risk Charges

Views of local and international stakeholders

Key messages and what the future looks like



2

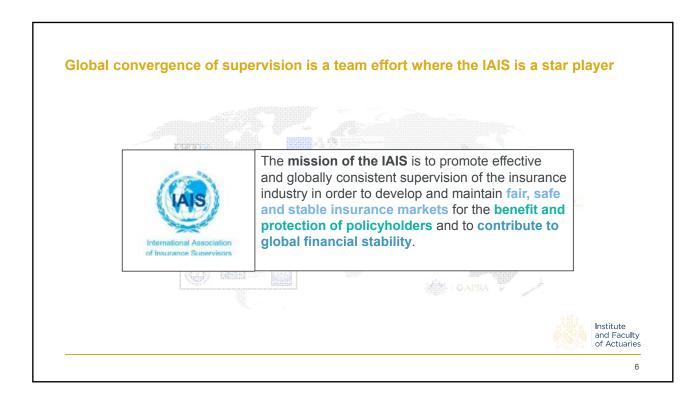
But first, reasons to care

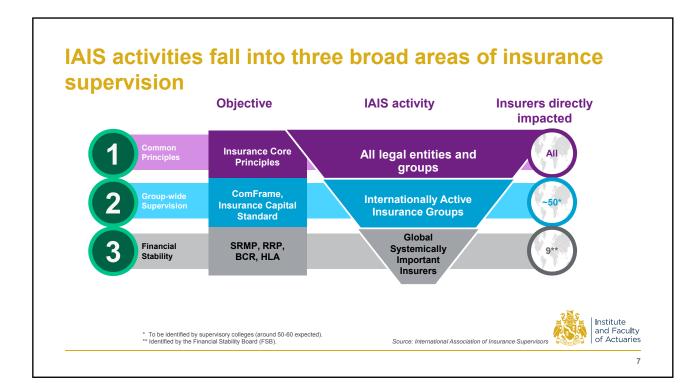
Internationally developed standards are...

- ...influencing **local regulatory requirements** for all companies e.g. FR 8
- ...driving **investor behaviours** in the insurance sector e.g. Carl Ichan and AIG
- ...the "go to" for nascent market regulators who are interpreting them as worldwide standards
- ...not terribly interested in your **project fatigue** i.e. the fourth balance sheet is coming!
- ...possibly an appealing alternative in the Post-Brexit world!









ComFrame has a specific purpose and application



Quantitative IAIG criteria

Internationally active:

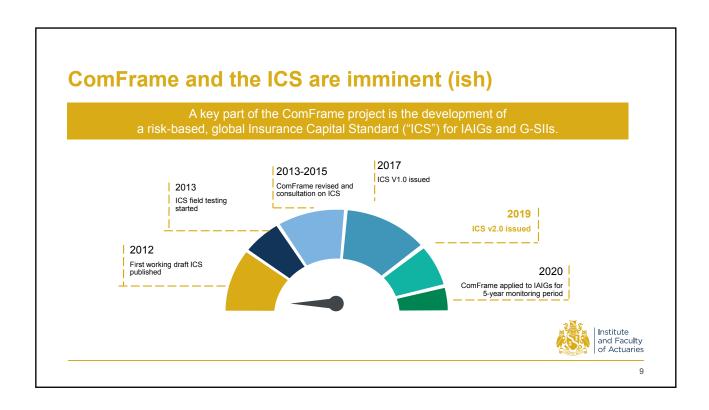
- Premiums are written in three or more jurisdictions; and
- Gross written premiums outside of the home jurisdiction are at least 10% of the group's total gross written premiums.

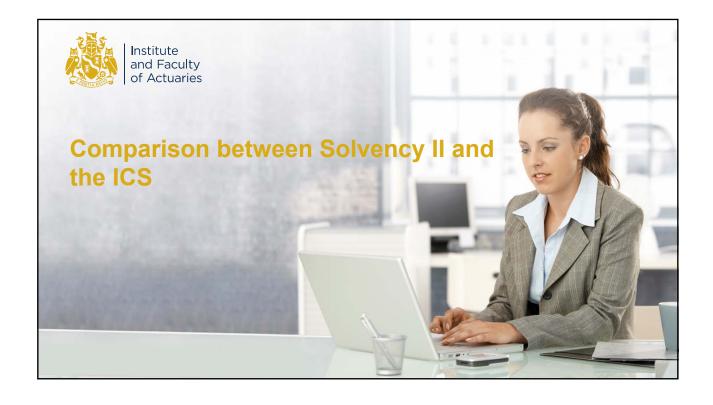
Significant size:

- 1. Total assets are at least USD 50 billion; or
- Gross written premiums are at least USD 10 billion.

(Both based on three-year rolling average.)







How did it come about?

WELL, THERE GOES THE NEIGHBORHOOD... WELL, THERE GOES THE NEIGHBORHOOD... FLOWER SOURCE STORY FLOWER STORY FLOWER SOURCE STORY FLOWER STORY FLO



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Stated Objectives of the Frameworks

"...ultimate goal is a single ICS that includes a **common methodology** by which one ICS achieves **comparable** outcomes **across jurisdictions**. [...] Not prejudging the substance, the key elements include valuation, capital resources and capital requirements"

IAIS

"an opportunity to improve the insurance regulation by introducing a risk-based system defining the capital requirements with a standard formula or an internal model and taking into account diversification and risk-mitigation effects"

CEA & Towers Perrin

Financial Stability

Policyholder Protection

Common Methodology

Risk-based

Multi-jurisdictional

Prudent Behaviour

Comparability



What is the Insurance Capital Standard - The Key Facts

- 1. Two main options MAV and GAAP Plus being considered
- 2. A groupwide (not just shareholder) measure of capital adequacy for IAIGs (and G-SIIs)
- 3. It will form the basis for HLAs, once implemented
- 4. Finishing up field-testing mode and now entering 5 year monitoring period (2020 2024)
- 5. Various discounting options have considered, but 2019 Field Testing focuses on the "Three-Bucket Approach"
- Looks and feels like Standard Formula designed to be simplistic with risks calibrated to a 99.5th percentile, with aggregation via correlation matrices
- Life insurance risks tend to be less onerous whereas ICS market risk shocks are typically higher



12

ICS Balance Sheet is similar to that of Solvency II



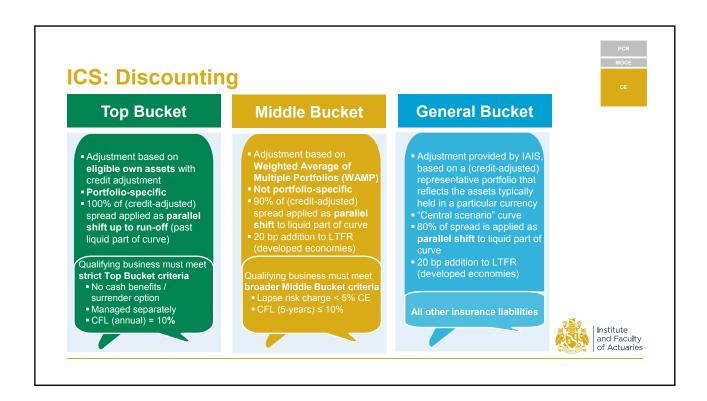
ICS Market Adjusted Valuation

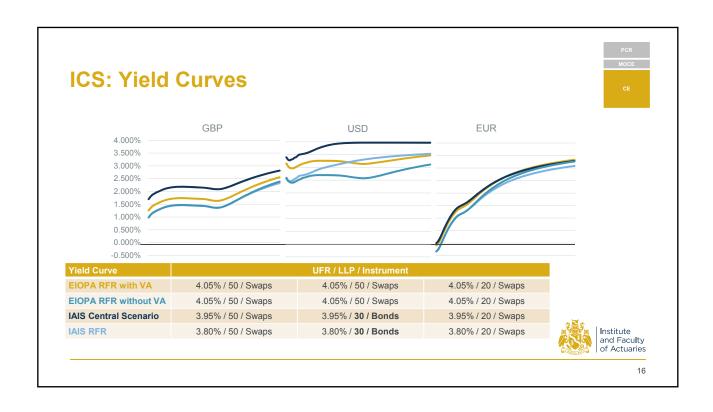


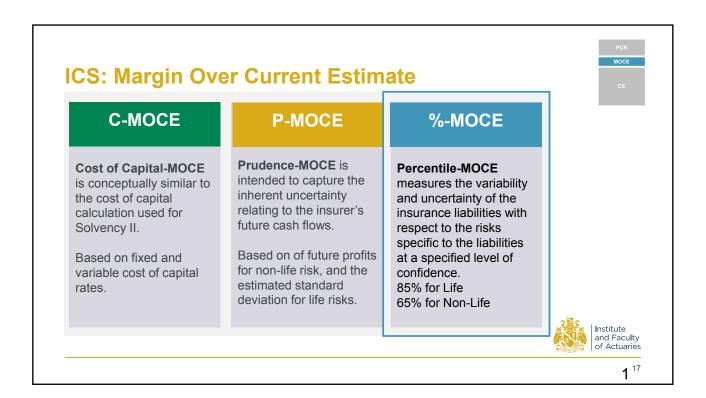
Solvency II

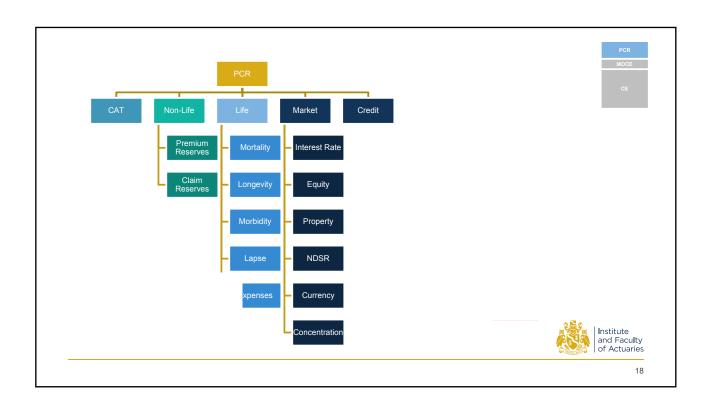












ICS: Risk Charges

Compared to Solvency II:

- Risk charges vary by geography (but do not currently allow for geographical diversification)
- Morbidity risk charge has granularity for different product types
- Credit risk factors apply by type, rating category and maturity
- Interest rate risk follows dynamic Nelson-Siegel (DNS) model with mean reversion, level up/down and twist up/down scenarios
- NDSR is calculated as fixed bp addition by rating category
- Equity risk charges by equity type are aggregated via correlation matrix and equity volatility is added separately
- Property risk charge includes mortgage insurance risk charge
- CAT risk covers natural catastrophe scenario and prescribed terrorist, pandemic and credit / surety
- Operational risk charge slightly less onerous for non-life, but not much different for life business
- Correlation between credit and non-life lower, but others are the same



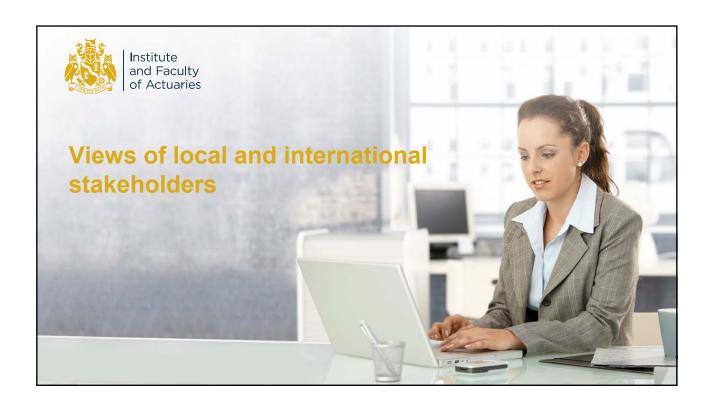


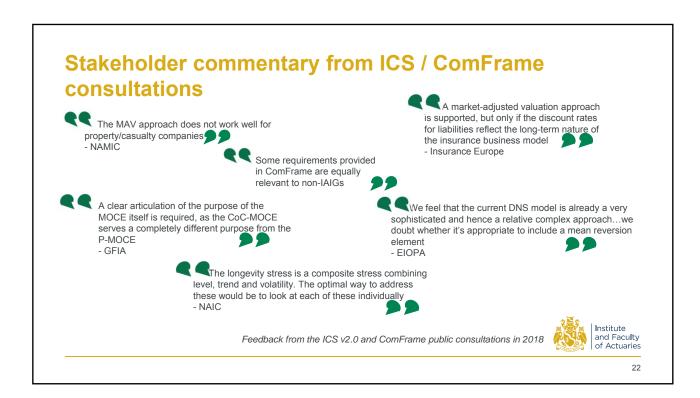
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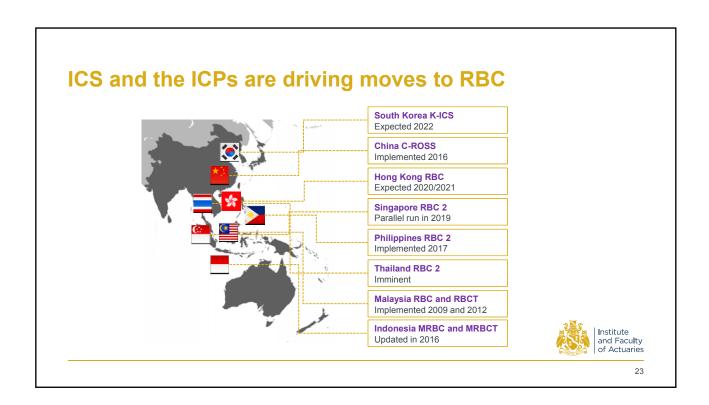
Pillars 2 and 3 / Internal Models













Integrating ICS, Revising Solvency II, Brexit





2

Again: what that means for insurers

Internationally developed standards are...

- ...influencing local regulatory requirements
 So prepare for new reporting requirements and potentially wider regulatory interaction
- ...driving insurance market investor behaviours
 So there may be work to help investors understand metrics beyond Solvency II and IFRS 17
- ...becoming worldwide standards
 So for some firms ICS could become the biting constraint instead of Solvency II
- ...unabated by **project fatigue**So even more need to improve reporting processes and streamline working day timetables
- ...an alternative in the Post-Brexit world!



