

**The Actuarial Profession**  
making financial sense of the future

Responsibilities of the Actuarial Function  
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## Technical Provisions *...or what AF means for the Reserving Actuary*

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### Agenda

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- What do we need to do?
- Where do the challenges lie?
- The Actuarial Function report

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1

## What do we need to do? The SII Directive

### Insurance and Reinsurance undertakings shall provide an effective actuarial function to:

- *Coordinate* the calculation of technical provisions;
- *Ensure* the appropriateness of the methodologies and underlying models used as well as the assumptions made in the calculation of technical provisions;
- *Assess* the sufficiency and quality of the data used in the calculation of technical provisions;
- *Compare* best estimates against experience;
- *Inform* the administrative, management or supervisory body of the reliability and adequacy of the calculation of technical provisions

Source: Solvency II Directive, Article 48

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2

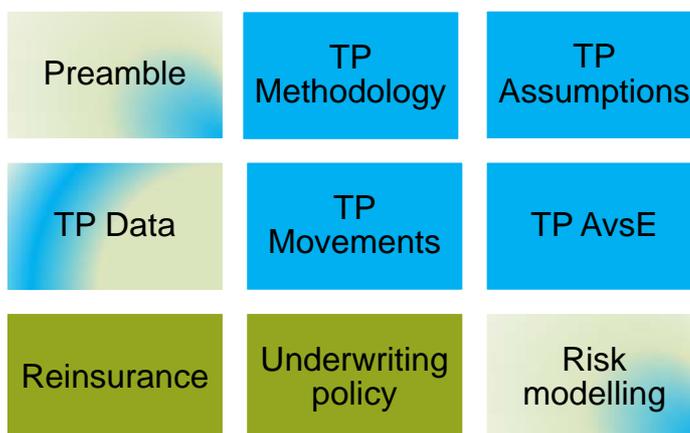
## Where do the challenges lie?



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3

## Actuarial function report and the reserving actuary What should be in it?



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4

## Actuarial function report Methodology and assumptions (1)

### What should be included in the report?

- What did we do and why did we do it?
  - An overview of the approach taken
  - Why the methodology and assumptions are appropriate
  - Simplifications and why they are reasonable
- Sources of comfort:
  - Confirmation that TP documentation is complete and approved
  - Have the TP processes described been followed?

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5

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## Actuarial function report Methodology and assumptions (2)

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### What should be included in the report?

- How the figures tie in with what we are familiar with
  - How IFRS/UK GAAP estimates map to technical provisions
- Not a lot of detail: It is okay to reference detailed documentation

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## Actuarial function report Data

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### What should be included in the report?

- How is data grouped for reserving? Why? Any changes, past and planned
- How accurate, appropriate and complete is the data used for the TPs
- How can you tell? Data quality assessments performed
- Who is responsible?
- What are the shortcomings? Where are they? What impact do they have? What is being done to fix them?
- Any adjustments made to data: why and what?

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## Actuarial function report IT – *something new*

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### What should be included in the report?

- Are the existing IT systems for TP calculations and data adequate?
- What are their limitations
- ...and what are you planning to do about it?
- How have you dealt with the current limitations?  
(Adjustments/approximations made)

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## Actuarial function report Movement analysis

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### What should be included in the report?

- How do this time's TP's compare with previous TP's?
- Why are they different?
- How are you planning to change what you do in the light of this?

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## Actuarial function report Actual vs expected analysis

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### What should be included in the report?

- Where are the material deviations between actual and expected?
- What caused them?
- What is your response going to be?

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## Actuarial function report Uncertainty

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### What should be included in the report?

- Your report needs to be TAS compliant
- Where are the areas of greatest uncertainty...with quantification, if possible
- How uncertain are your binary events loadings, WBNI, payment patterns and risk margin?
- Just how accurate are your technical provisions? How uncertain are they? What are the limitations in your estimates not already covered elsewhere?

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## Actuarial Function

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# Challenge or Opportunity?

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12

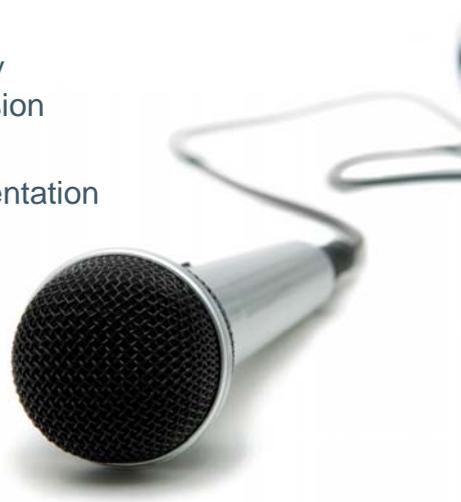
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## Questions or comments?

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The views expressed in this presentation are those of the presenter.



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13