Adequacy of Reserves (FCR Section 7)

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Overview of Section

Challenges likely to be faced

Probable Solutions

Areas requiring further clarification



Overview of the Section

- Tables
 - Table 7.1: Adequacy of Reserves
 - Table 7.2: Reserves for Unexpired Policies
 - Table 7.3: Reserves for Cat & Large Risks
- Methodology & Data Constraints (7.1.1 to 7.1.5)
- Monitoring Actual vs Expected (7.1.6)
- Detailed analysis of quantitative information submitted in the tables (7.2)



Table 7.1 Adequacy of Reserves

Net of RI

LOB	Reserve at the Beginning of the Year			Total Claims	Reserve at the end of the Year			Change in
	O/S	IBNR	Other	Paid	O/S	IBNR	Other	Reserves
Fire								

- Other Reserves: Different Interpretations
- Change: Addition of last column
- Challenge:
 - Reserves: Granularity of LoB
- Solution:
 - O/S: Actual Basis
 - IBNR: Allocation Method

BAJAJ Allianz (1) Table 7.2 Reserves for Unexpired Policy

Net of RI

LOB	Reserve for In-	Premium Deficiency	Any Other
	force Policies	Reserve	Reserve
Fire			

- Other Reserve: ???
- Change: UPR, URR and Cat Reserves Columns dropped & replaced with Reserves for in-force policies.
- Challenge:
 - URR & PDR: Granularity of LoB

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Table 7.3 Reserves for Cat and Large Risks

Net of RI

LOB	Catastrophic Risk Reserve	Large Risk Reserve
Fire		

- Risks/Claims: ??
- Change: New Table
- Challenge: Definition of CAT and Large Claims
 - CAT event at industry level
 - Large Loss at company level
 - Percentile Basis/XL Trigger Point, Once large- ever large/latest large, Indexed/unindexed

Reserve Methodology



- Outstanding Claims Reserve: Auto Reserve
- IBNR Claims Reserve: CLM / BF / Others
 - Reserving Methodology for short tail and long tail LoB
 - RI Inward and Coinsurance Accepted
 - Cat and large claims
- PDR: ELR + Claims Handling expenses
- Homogeneity of reserving lines of business



Other Information

- Percentile if Stochastic Approach
- Data and System Constraints
- Suitable reserves for Premium Inadequacy
- Impact of Other factors



Monitoring Actual vs Expected

- A vs E analysis
- Reserves Utilization
- Hindsight Reserves
- ULR movement
- Movement (Change) Analysis
- Any Other??









IBNR Allocation - 1

 IBNR for each accident period allocated in proportion of <u>business measure</u> for respective accident period

✓ Simple to implement and understand

- ×Ignores different claims experience of different segments
- ×Ignores different claims development of different segments



IBNR Allocation - 2

 IBNR for each accident period allocated in proportion of <u>incurred claims</u> for respective accident period

✓ Simple to implement and understand

- ×Large amounts of IBNR come from recent years which have very low/nil/unreliable incurred amounts - Volatility
- ×Ignores different claims development of different years



IBNR Allocation - 3

- Weighted average of earlier 2 approach
- Credibility weights % Development for respective accident period

 Takes account of both claims experience and business volume

×Difficult to explain and implement to stakeholders



Analysis of Quantitative information

- Change in reserve Composition by LoB
- Split of reserves into OS and IBNR
- Presence of PDR Feedback to Pricing
- Uncertainty around CAT and Large claims Reserves and probable ranges.
- Any Other



