

#### XVth GENERAL INSURANCE SEMINAR.

Evolution of the Industry



David Isaacs and Caroline Breipohl

© David Isaacs & Caroline Breipohl

The Institute will ensure that all reproductions of the paper acknowledge the Author/s as the author/s, and include the above copyright statement:



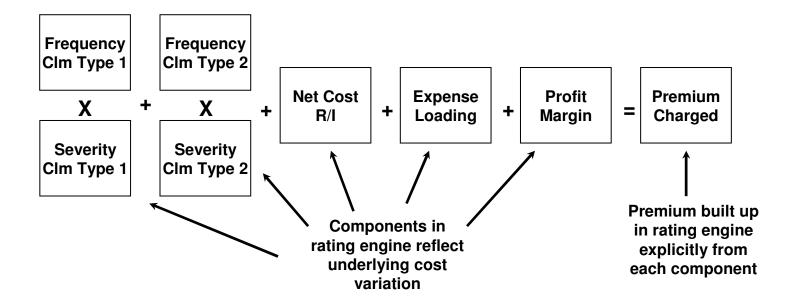
### **Agenda**

- What is Component Pricing?
- A Simple Example
- Benefits of Component Pricing
- Implementation in Practice



## What is Component Pricing?

 Rates delivered built up separately for each component





	Peril 1	Peril 2	Profit
	Base Cost	Base Cost	Base Profit
<b>Base Premium</b>	100	120	4

Sum Insured	Risk Rel	Risk Rel	Profit Rel
Low	100%	100%	100%
Medium	120%	80%	100%
High	140%	120%	100%

Risk Area	Risk Rel	Risk Rel	Profit Rel
NSW	100%	100%	100%
Vic	110%	100%	100%
Qld	90%	110%	100%



#### Fitted into a Traditional Structure

Total Premium		
Base Premium	224.29	

Sum Insured	Relativity		
Low	100.0%		
Medium	97.9%		
High	128.4%		

Risk Area	Relativity		
NSW	100.0%		
Vic	104.9%		
Qld	100.0%		



# Profit by Segment using Traditional Approach

	NSW	Vic	Qld	One-Way Ave
Low	4.29	5.30	2.34	3.98
Medium	3.62	2.40	6.06	4.03
High	4.06	4.20	3.72	4.00
One-Way Ave	3.99	3.97	4.04	4.00



### **More Complex Example**

Results of simple example still apply even with a more realistic rating structure

**Constrained Rating Structure** 

Unavoidable dispersion of profit margins at policyholder level



#### **Benefits of Component Pricing**

- Control of Target Profit at Segment Level
- Improved Monitoring and Faster Response by
  - Pricing Practitioner
  - Management
- Transparency in Pricing
- Better ability to conduct Market Testing

### Implementation in Practice

- Large Project with Large Budget
- Requires buy-in and involvement from
  - Management
  - -IT
  - Business Analysts
  - Actuaries
  - Underwriters/Product Managers
  - Project Office



#### **Specific IT Issues to Consider**

- Technical capability of system
  - Speed, Flexibility and Robustness
  - Ongoing Maintenance Requirements
  - Integration with existing systems
- Potential impact on end users/customers

Recent advances in IT systems make Component Pricing a Practical Reality

### **Utilisation of New Capability**

- Mindset change from "set and forget" to dynamic pricing approach
- Need clear protocols for:
  - frequency of monitoring
  - signoff on different components
- Increased complexity highlights need for good communication



#### **Summary**

- Targeted profitability at policyholder level requires the rating structure to reflect underlying cost drivers
- Benefits in monitoring and speed of response to changing markets
- Advances in IT make component pricing a practical reality