

Risk/Value Trade-off in Strategic Investment Decisions (E04)

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1. Introduction

"You ought to be able to explain why ... you're making the investment you're making, or whatever it may be. And if it can't stand applying pencil to paper, you'd better think it through some more. And if you can't write an intelligent answer to those questions, don't do it."

Purpose of this Session

To examine how risk and value measurement interact in the context of strategic capital investment with the objective of:

- 1. Formulating a framework for strategic decision making; and
- Demonstrating how familiar techniques can be used to support this framework.

... making extensive use of "value investing" concepts.

What is Value Investing?

- Originally formulated by Benjamin Graham, but popularised by Warren Buffet.
- Driven by market inefficiencies, aims to acquire assets at less than market value.
- Places a strong emphasis on:
 - (a) Robust, realistic, valuation techniques; and
 - (b) Understanding the fundamentals of the business; ie. risks to value.
- Typical "value investments" will:
 - (c) Have strong defensible franchises; and
 - (d) Will be run by competent management.

2. What shareholders are looking for

"What is 'investing' if it is not the act of seeking value at least sufficient to justify the amount paid?"*

The investor's dilemma: Which company/project to invest in?

- How to identify investments generating economic profit?
 - => Return on Capital Employed > WACC
- Is extra return worth additional risk?
 - => How do we assess risk and measure value?
- Can sustainable economic profit be generated?
 - => Do we have a franchise?
- If so, can it be defended long enough to recoup the initial investment?
 - => Do we have competent management?



Warren Buffett's principles for strategic investment decision making

Warren Buffett's principles for strategic investment decision making*

- 1. Available at an attractive price
- 2. Invest in businesses you understand
- 3. Operated by honest and competent people
- 4. Invest in businesses with favourable long-term prospects

Application of principles: Minimum criteria for investing in the Life industry

- 1. Assessing value
- 2. Understanding the risks of the business
- 3. Business transparency and management competency
- 4. Identifying a sustainable franchise



^{*} From Berkshire Hathaway's 1977 Annual Report (reordered)

What shareholders are looking for

(1) Assessing value

"Price is what you pay. Value is what you get." *

Identifying intrinsic value

- Intrinsic value can be defined as the discounted value of the cash that can be taken out of a business during its remaining life
- Intrinsic value for a business will consist of two components:
 - Value ie cash flows from current business
 - Growth ie cash flows from future business
- For a life insurance company these are:
 - Embedded Value
 - Franchise Value
 - ie Intrinsic Value = Appraisal Value

What shareholders are looking for

(2) Understanding the risks of the business

"Risk comes from not knowing what you're doing" *

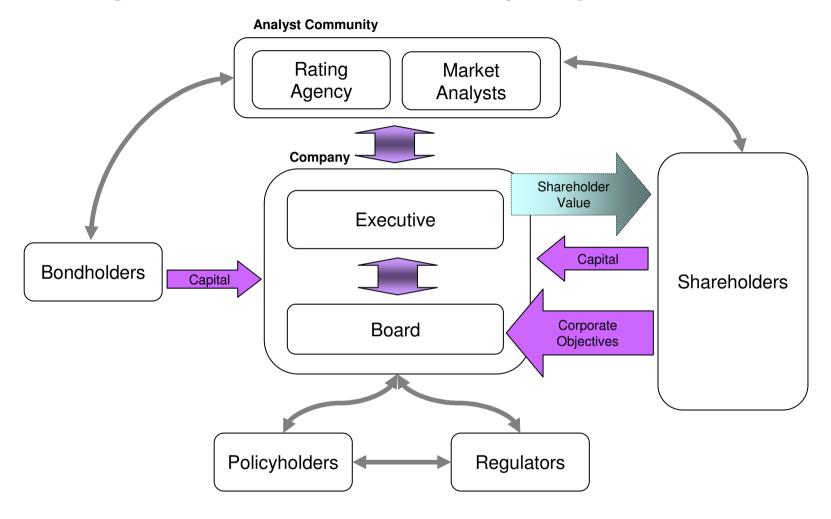
Why risk management adds value

In a complete market, risk management would not add value, however:

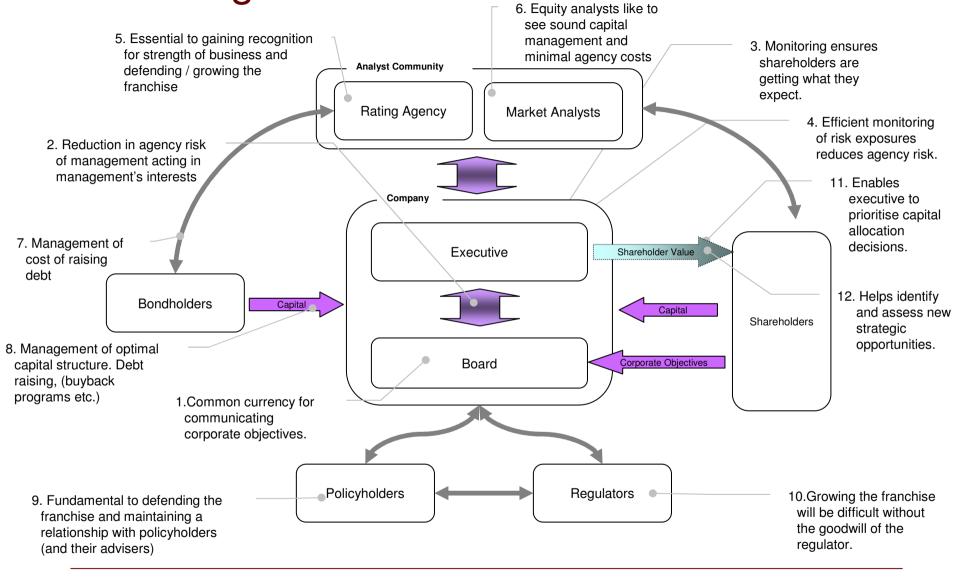
- Markets are incomplete
 - Not every risk has a hedge
 - Take risk to add value
 - Diversification in non-traded risks within a company can add value
 - Shareholders do not have direct access to markets in non-traded risks as companies do
 - Creates opportunities for companies to add value
 - Substantial transaction costs (and barriers to entry) exist
 - Management knows more about the business than shareholders
 - Upside opportunity can be identified
- Companies have limited capital to invest and investment opportunities need to be prioritised

Management must decide between different investments with equivalent returns on the basis of risk within a communicated risk appetite

Running a "Model" Life Company



Risk Management's Role in the Business



Summary

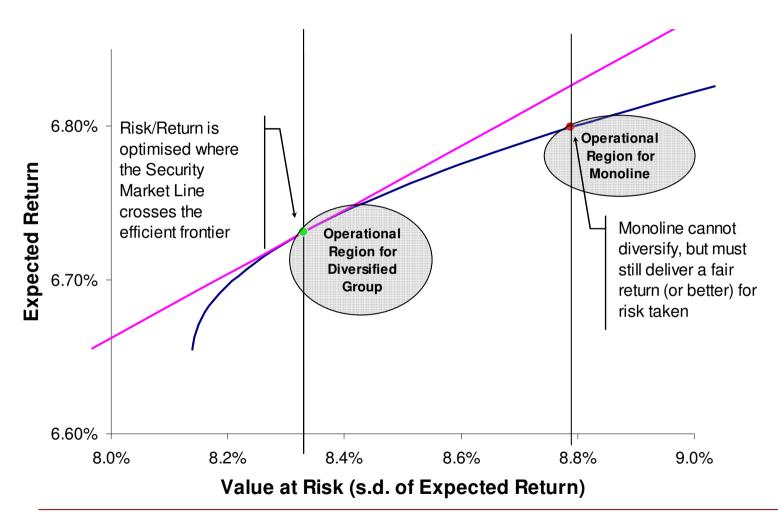
- 1. Corporate governance:
 - Gives a "common currency" for internal decision making
 - Minimises risk of agency costs
- 2. External communication:
 - Supports and strengthens relationship with analyst community
 - Provides feedback to market and investors on corporate objectives
- 3. Informs capital structuring activities
- 4. Helps defend and grow the franchise:
 - Ensures support of both policyholders and regulator
 - Minimises risk of financial distress following regulatory intervention
- 5. Key driver of shareholder value:
 - Capital allocation can be prioritised (and early warning of future capital needs)
 - Enables management to identify opportunities

Fundamental Principles

- Define risk appetite in line with corporate objectives:
 - Risk is assessed in terms of the expected volatility of the intrinsic value
 - And will allow for risk to franchise
- Target the best available return for any risk accepted:
- Optimise business plans
 - Optimal business plan delivers highest return for given risk appetite (consistent with objectives)
- Enhance MI systems to monitor profit and risk:
 - Use this information to actively inform strategic decision making
- Communicate effectively



Optimising Risk and Value





What shareholders are looking for

(3) Business transparency and management competency

"Investors can always buy toads at the going price for toads. If investors instead bankroll princesses who wish to pay double for the right to kiss the toad, those kisses had better pack some real dynamite. Nevertheless, many managerial princesses remain serenely confident about the future potency of their kisses — even after their corporate backyards are knee-deep in unresponsive toads..." *

^{*} Warren Buffett: 1981 Letter to Berkshire Hathaway Shareholders

Transparent and competent management

- Business transparency
 - Company structured to minimise agency costs
 - Use of EVM framework to align management to shareholder value
 - Investor communications aligned with corporate objectives and management actions
- Management competency
 - Investments made according to core principles
 - Investing only for added value rather than scale or fashion
 - Rewards proportionate to risks taken
 - Understanding the business
 - EC quantifies risk taking consistently across the business
 - EC enables impact of management decisions to be assessed more accurately

Management should have confidence to make rationale decisions based on the evidence and their understanding of business

What shareholders are looking for

(4) Identifying a sustainable franchise

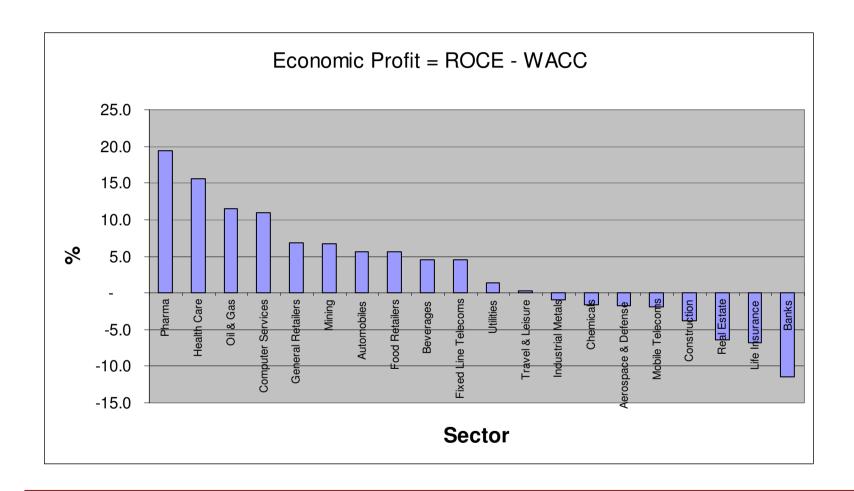
"When a management with a reputation for brilliance tackles a business with a reputation for poor fundamental economics, it is the reputation of the business that remains intact" *



^{*} Warren Buffett: 1980 Letter to Berkshire Hathaway Shareholders

Evidence of sustainable franchise value

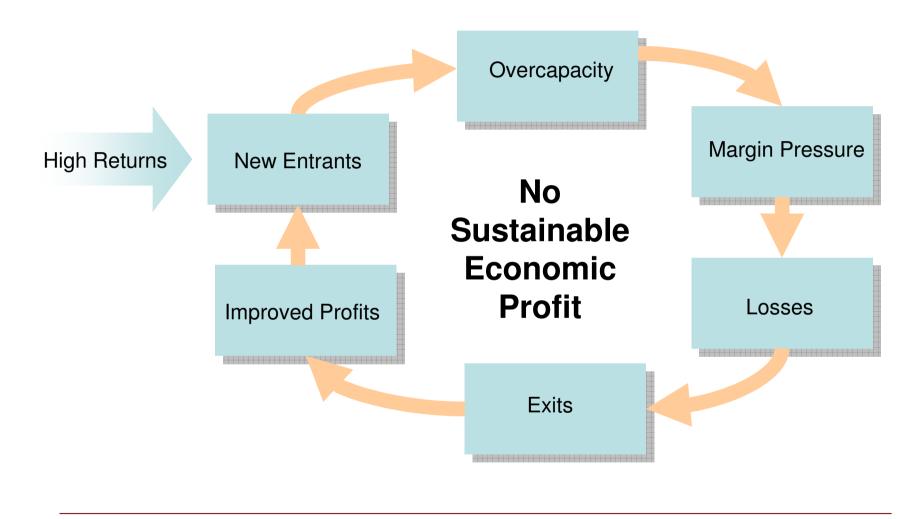
No barriers to entry => no economic profit



The issue: how to identify markets where a company has competitive advantage

- No barriers to entry => no economic profit
- Thus analysis must focus on the sources of sustainable competitive advantage that a company has
- Considerations:
 - There are multiple players: incumbents and entrants
 - Players interact dynamically with each other over time
- The analysis cannot be static but must consider the incumbent and entrant strategies and interactions

Entry dynamics of competitive industries





Sources of sustainable competitive advantage

- Economies of scale => high fixed costs
 - a) Production costs of smaller scale operation too high
 - b) Incumbent temporarily cuts price to make entrants unprofitable
- Production => advantage
 - Proprietary technology (eg pharmaceutical patents)
 - Control of scarce resources
 - Learning advantage
- Demand => customer loyalty
 - Habit-based purchases (eg Coca Cola)
 - High search costs (eg changing insurance company)
 - High switch costs (eg changing computer operating system)
- Government policy
 - Regulation (eg insurance, utilities, telecommunications)
 - Subsidies (eg aircraft manufacture)



Approach for analysing competitive advantage

- 1. Define the market
- 2. Test for existence of barriers to entry
 - Sustained high return on capital
 - Stability of market share
 - History of failed new entrants
- 3. Examine current barriers to entry
- 4. Assess future of barriers to entry

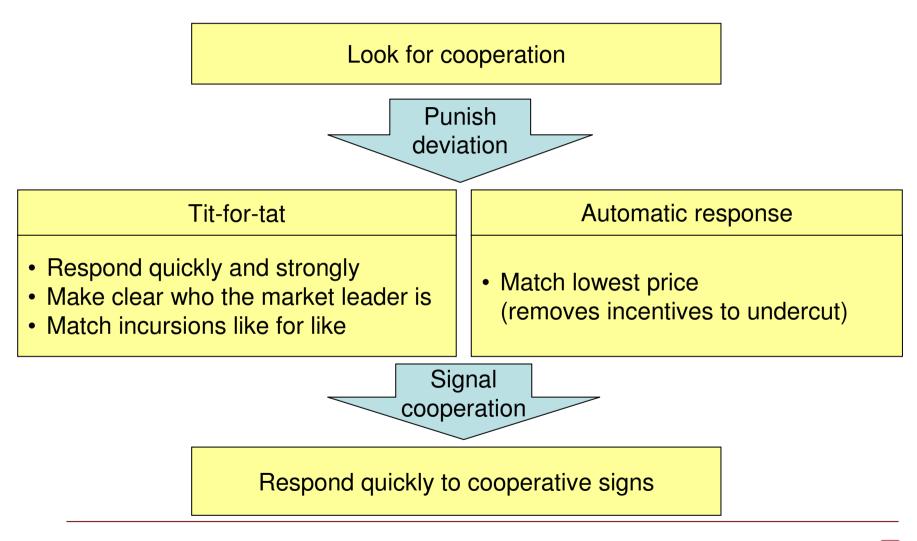
3. Framework for Strategic Investment Decisions

"It is better to be approximately right than precisely wrong." *

Incumbent strategies to secure/exploit barriers

Source of Competitive Advantage	Strategies to pursue to secure/exploit barriers
Economies of scale	 Increase efficiency Extend area of franchise Protect vigorously against new entrants
Production	 Invest in technology, etc to reinforce franchise Exploit franchise
Demand	 Invest in technology, etc to reinforce franchise Exploit franchise Set high prices
Government policy	 Lobby to maintain franchise Set prices at highest level while still avoiding government intervention

Strategies for incumbent competition*



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Entrant vs Incumbent Strategies*

Entrant

Incumbent

Options

- Enter if Incumbent will accept
- Don't enter if Incumbent will fight

Strategy

- Minimise Incumbent losses if accepts:
 - > Enter small
 - Aim initially for limited niche market
 - > Limit price competition
 - > Differentiate from other entrants
- Maximise Incumbent costs if fights:
 - Chose an area of own competitive advantage
 - > Tie reputation to outcome

Options

- Fight if cost less than accepting entry
- Accept if cost of fighting too high

Strategy

- Minimise loss to Incumbent:
 - > High fixed costs; low variable costs
 - Focus on areas of competitive advantage
 - > Strong focus on market share
- Minimise pay-off to Entrant
 - > Cover niches
 - Match competitive prices
 - > Match Entrant market moves
 - > Strengthen competitive advantages

Entrant: 'Seek to be accepted - think cooperation' **Incumbent:** 'Hit the new entrants where it hurts them'

4. Case Studies

"Insurance companies offer standardised policies which can be copied by anyone. Their only products are promises. It is not difficult to be licensed... There are no important advantages from trademarks, patents, ... raw material resources, etc, and very little consumer differentiation to produce insulation from competition." *

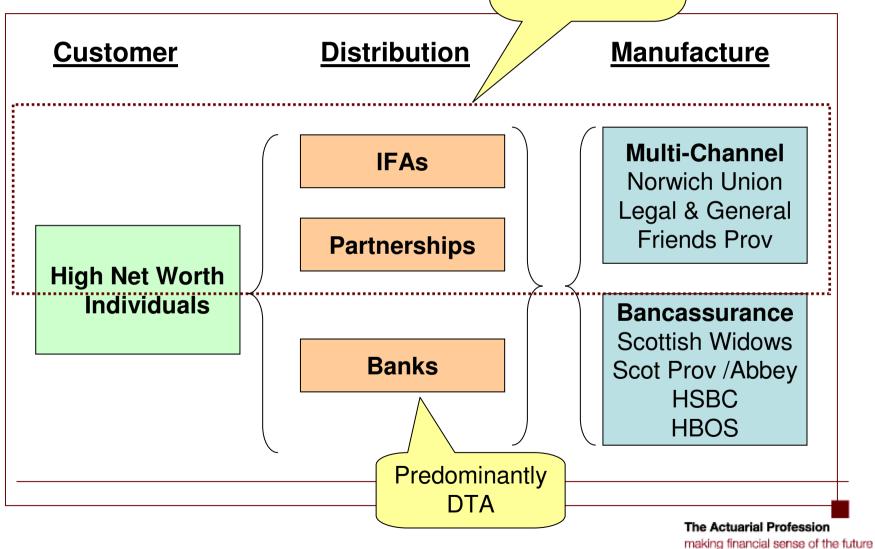
^{*} Warren Buffett: 1977 Letter to Berkshire Hathaway Shareholders

Case Study 1

Investing in the protection market – Level Term Assurance (LTA)

1. Market definition

Analysis focuses on multi-channel insurers



2. Test existence of barriers to entry

Profitability of LTA¹

	2000-2005
VNB/APE	c. 30-40%

Market share stability of top four writers of LTA²

	2000	2001	2002	2003	2004	2005
Legal & General	9%	19%	18%	18%	24%	22%
Norwich Union	19%	20%	20%	17%	16%	17%
Scottish Widows	9%	7%	7%	10%	10%	8%
Scottish Provident	12%	6%	6%	8%	8%	8%
TOTAL (Top 4)	49%	52%	51%	53%	58%	55%

Hypothesis: Appear to be strong barriers to entry

¹ From knowledge of M&A transactions

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² From Swiss Re Term & Health Watch (based on number of policies written)

3. Analysis of barriers to entry

Type of Barrier	Assessment	
Economies of Scale	High fixed costs (relative to profits) to set up online quotation platforms and broker servicing systems	М
Production		
Proprietary technology	Broker support processes; complex to get right	М
Control of scarce resources	IFA distribution is a scarce resource; loyalties and incentives from existing relationships make entrant access difficult	Н
Learning advantage	Use of reinsurance to improve return	L
Demand		
Habit-based purchases	No	-
High search costs	No – IFAs and online search engines make easy	-
High switch costs	Yes – underwriting requirements limit frequent switching	М
Government policy		
Regulation	Regulatory requirements only weak limit to new entrants	L

4. Assessment of future barriers to entry

- Term has simple benefit structure facilitating easy online price comparison
 - => First impression: commodity product
- However, market is dominated by a few players; stable market share
- Indicates barriers to entry which is borne out by analysis in particular,
 IFA access, fixed costs for technology; servicing proposition
- In future, some pressure to commoditise:
 - Dis-intermediation of the IFA as LTA increasingly purchased over the internet
- Against this:
 - Life company ownership of multi-tied IFAs will act as a further constraint to distribution access
 - A-Day tax incentives term assurance within a SIPP wrapper favourable which is a more complex sale requiring intermediaries

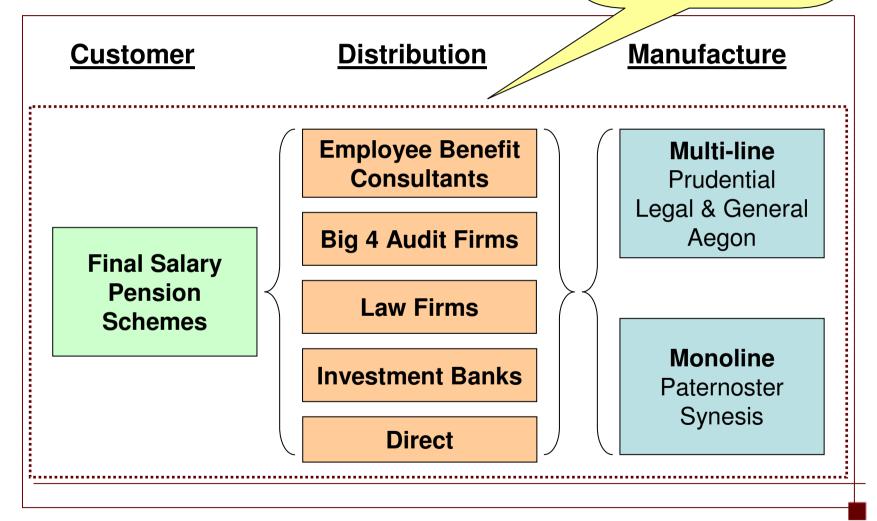
Conclusion: Defensible franchise

Case Study 2

Investing in the annuity bulk buy-out market

1. Market definition

Analysis covers the market of annuity bulk buy-outs



2. Test existence of barriers to entry

Profitability of immediate annuity bulk buy-outs¹

	2000-2005
VNB/APE	c. 40%+

Market share stability of top four writers of bulk buy-outs²

	2002	2003	2004	2005
Prudential	N/A	N/A	52%	52%
Legal & General	N/A	N/A	22%	20%
Paternoster	-	-	-	-
Synesis	-	-	-	-
TOTAL (Top 4)	N/A	N/A	74%	72%

Hypothesis: Appear to be strong barriers to entry

¹ From knowledge of M&A transactions

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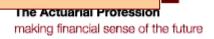
3. Analysis of barriers to entry

Type of Barrier	Assessment	
Economies of Scale	Annuity administration is not complex and arrangements with third parties substantially reduce fixed cost	L
Production		
Proprietary technology	Annuity administration systems are offered by various third parties so there is no exclusive proprietary technology	-
Control scarce resources	EBCs will act independently for clients on a fee basis	-
Learning advantage	Processes and experienced staff to quote for and to transfer schemes with poor data are not readily available	М
Demand		
Habit-based purchases	No	-
High search costs	No – EBCs and other advisors undertake the search	-
High switch costs	N/A – once purchased, scheme has no further interest	-
Government policy		
Regulation	Regulatory environment may act to limit certain new entrants by placing high capital requirements; however, existing insurers will not face this barrier	L

4. Assessment of future barriers to entry

- First impression is that they may be strong barriers to entry
 - => Profitable market dominated by two players
- However, this is not borne out by the analysis: there are very few barriers to entry – main one is know-how, but this is only short term
- A number of players stated their intention to enter in 2005/6, which we expect to cause considerable margin erosion for incumbents
- There is limited protection against new entrants:
 - Know-how is not long-term defensible (people can and have switched company)
- Against this:
 - Current incumbents have lower capital requirements arising from diversification benefits that monoline insurers do not enjoy
 - However, this does not apply to other diversified insurers that enter

Conclusion: No defensible franchise



5. Discussion

"The behaviour of peer companies, whether they are expanding, acquiring, setting executive compensation or whatever, will be mindlessly imitated." *

Questions for discussion

LTA Market

- Can a company enter the term market profitably? If so, how?
- How should the Incumbents respond to a new entrant?
- What could cause the barriers to entry to reduce?
- What would that mean for profits?

Annuity Bulk Buy-out Market

- What barriers to entry currently exist?
- If so, how long can they be expected to last?
- Can other barriers to entry be created? If so, how?
- What are the profit expectations for this market?

General

- How else could you decide which markets to enter?
- How else could you determine your entry strategy into the new market?

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