

Overview

- Some fundamental (pension) accounting questions
- Some themes from IASB discussions to date
- Comparisons with insurance accounting
- Thoughts on different measurement approaches
- The Profession's discount rate research project
- Should different discount rates be used for different purposes?

Ultimate cost of any pension plan

Benefits Paid from the Plan

Plus

Administrative Expenses, Taxes & Levies

Less

Investment Gains (Net of Losses)

Conceptual framework

- The objective and purpose of accounts
 - financial reporting should provide information that is useful in making business and resource allocation decisions
 - information must be timely and complete for it to be relevant and reliable
- Disclosures convey additional information on quality of decisions and risk considerations

Some fundamental (pension) accounting questions

- Are IAS19 figures decision useful?
 - Useful to whom and for what purpose?
 - To provide best possible quantification or to facilitate comparison?
 - Show economic or legal obligation? Is it decision useful if the IAS19 figures result in higher liabilities than an entity's obligations under local law?
 - Should we show the entity's cashflow to the plan, or the plan's cashflow to the beneficiaries?
 - How do pension figures compare with other company obligations recorded in the accounts? Are all obligations measured consistently?
 - Which risks to quantify, which to disclose, and which neither?
 - What do accounts they tell us about risk?
- Technical approach?
 - Project cashflows against what measurement objective?
 - What does 'settlement' mean?
 - Build risk into cashflows and then apply a nil risk discount rate?
 - Should a "neutral" discount rate be used?
 - Should a liquidity premium be taken into account?
 - Should credit risk be taken into account?
 - Should non-performance risk be taken into account?
- Are the projected cashflows more decision useful than NPV figures?
 - 90% (?) of the volatility in pension values comes from volatility in discount rates not the cashflows?

IASB's fundamental review of IAS19

- In April 2009, Sir David Tweedie asked the IAA to assist the IASB in setting discount rates used in the measurement of defined benefit obligations
 - Views on the current objective of a high quality corporate bond?
 - Would a fair value objective provide more relevant information? What discount rates would this point to?
 - What other objectives could be used?
 - How much guidance should the IASB provide on implementing the proposed objectives for the discount rate?
- This would inform the IASB's fundamental review of IAS19 planned for earliest mid 2011
 - Definition of a liability
 - Measurement
 - Consolidation

Some themes from IASB discussions to date

- Not possible, or misleading to users of accounts, to measure all risks?
 - Obligations and risks can be measured, disclosed, both or neither
 - Do cashflows provide more decision useful information than measurements
- What measurement objective to they wish to apply?
 - Fulfillment/settlement/exit price etc
- · Which obligations do the IASB want to measure / disclose?
 - ABO or PBO
 - Should contractual, constructive & discretionary benefits be separately disclosed?
 - [Obligations brought forward from use of uniform accrual]
- · Are constructive benefits really constructive?
 - Non performance risk
- · Comparison of pension accounting with that for other corporate obligations

Accounting treatment of different corporate obligations

	Mark to market	Impact recorded in P&L	Allowance for credit risk	Sensitivity to interest rate changes
Current IAS 19	Yes (with option to amortise)	An option (which few adopt)	Yes – independent of entity risk	Yes, if material
ASB proposal	Yes	Yes	No – risk free	Yes – even if not material
Debt issued by entity	No (disclosure only)	No	Yes – as at issue	No (because impact is nil if not marked to market)
Lease arrangements (asset and lease payments)	No (not all on balance sheet; amortised cost even if on)	No	Yes – implicitly – as at issue	No (because impact is nil if not marked to market)
Bank fixed rate loans/deposits	No	No	Yes – implicitly (interest rate reflects risk)	No (because impact is nil if not marked to market)
Framework	No preference for one measurement model over others	No stated preference for P&L vs SoRIE	Not addressed	Not addressed
Conceptual framework (draft)	Not addressed yet	Not addressed yet	Not addressed yet	Not addressed yet

Why?

- · A function of history
- · Pension is in respect of a service rather than a fee
- · Pension cashflows are uncertain

IAA work programme

- The IAA pensions committee and the IASB meet twice a year
- IAA has started work on
 - Similarities and differences between insurance and pensions
 - Should actuaries promote focused cashflow related information?
 - Implications of different approaches to measurement
 - Economic
 - Solvency
 - Legal / delivery vehicle specific
 - Enterprise risk management
- A UK Pensions PEC working party has been established to focus on UK aspects of these and other questions also
 - Volunteers always welcome

Some similarities and differences between insurance and pensions

- Non-participating insurance is contract driven: security is an external feature factored into the price of the product
- Historically, pensions were a best endeavour by the employer dependent on affordability. With changing (UK) legislation, security of past service benefits has become a harder feature of (UK) pensions. Employers are managing the "cost" of pension in various ways.

There remains a social policy element to pensions

- Participating insurance: Policyholders have paid a 'bonus loading' and are entitled to certain expectations (subject to investment performance/affordability)
 - cf deferred pay concept
 - cf contractual/constructive/discretionary benefits
- Insurance accounting follows insurance regulation
 - It is primarily focused on explicit solvency capital requirements
 - pensions include non-cash capital (covenant, disclosures)

Should accounting recognise the different context between pensions and insurance?

Should accounting of pensions be more aligned with accounting of with-profits business?

Should accounting reflect different management of 'own' credit risk?

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Insurance accounting: Current

Accounting requirements same as FSA statutory reporting requirements

- Technical provisions
 - Gross redemption yields on assets
 - eliminating credit risk but not any premium arising from lack of marketability
 - 971/2% of adjusted yields
 - Running yield on equities and property
 - Average of current dividend and earnings yield, but no allowance for future growth
 - No liability for future awards of bonus

In addition, for larger with profits funds,

- Enhanced Capital Requirement to demonstrate ability to treat customers fairly
 - Market-consistent valuation of options and guarantees
 - Market consistent allowance for future returns on investment
 - Running yield, no allowance for capital growth
 - Stochastic approaches preferred

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Insurance regulation - where we might be going

Solvency II

- · Technical provisions to be best estimate plus a risk margin
 - Can be interpreted as the amount another undertaking would require to take over the obligations
- Risk-free term structure of interest rates to be used
 - In general no regard to assets actually held
- · Discussion over how risk-free rates should be determined
 - Reference rates
 - Term structure / re-investment risk
 - Default/downgrade risks
 - Strong argument from industry for an Illiquidity premium

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Will measurement of insurance contracts follow SII?

Revision of IFRS 4

- Exposure Draft published 30th July 2010 based on "fulfilment" objective, an entity generally expects to fulfil its liabilities over time
- Measurement (proposed)
 - Allow for probability weighted cash flows, and time value of money
 - Discount rate consistent with cash flows whose characteristics reflect the liability.
 Independent of assets, reflect yield curve for instruments with negligible risk adjusted for differences in illiquidity of liability (not expected return on assets)
 - Risk adjustment reflects the maximum amount the entity would rationally pay to be relieved of the risk ultimate CFs exceed those expected
 - Residual margin to recognise excess CFs over life of contract (immediate recogniton of losses)
- Seems aligned with SII technical provisions (assuming fulfilment value embraces an illiquidity premium).

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IAA work programme Economic approach?

Analyse cashflows according to those that are

	Collateralised /	Non-collateralised /
	priority creditor status	low priority
Vested		
Unvested		

- Apply different discount rates reflecting nature of cashflows
 - Vested/collateralised : use "nil risk" rate?
 - Other: Higher rate allowing for non-performance or credit risk?
- Accounting liability cannot be less than local funding law liability?

IAA work programme Solvency approach?

- Start with insurance pricing ('buy-out')
- Strip out factors not consistent with the nature of pension cashflows
 - Profit
 - solvency margins
 - other margins/re-spread front end loadings for commercial risks
 - (stronger credit of insurer?)
 - etc
- · Add in any solvency/funding margins from local pensions law
- Alternatively
 - Start with insurance reserve before adding solvency, expense etc margins
 - Adjust for any solvency/funding margins from local pensions law

IAA work programme Legal & Enterprise Risk Management approaches?

- Legal
 - Accounting measurement looks through the vehicle used to deliver the benefits as if there is a direct obligation from the employer
 - DBO accounting assumes future events that may not happen
 - NB consolidation rules may look at the vehicle
 - But the vehicle used can change the nature of the obligation and hence the cashflows the employer is obligated to provide in law
 - Credit & non-performance risks are key considerations
 - Should the accounting reflect the economic or the legal obligation?
- ERM
 - Look at the pension scheme as part of the employer
 - Should accounting factor in cashflows that assume a greater obligation by the company than that required under local law and funding rules etc

Research project on discount rates

- Why commissioned?
 - Discount rates are the heart of many models and therefore of significant public interest
 - Ensure a clear and common understanding of the issues surrounding different rates used today
 - Support the development of future framework for discount rates
- Phase 1
 - Packet 1: Survey of current practices
 - Packet 2: Survey of existing research and debate
 - Packet 3: Develop a common language for communicating current practice on discount rates and risk
- Phase 2
 - Packet 4: developing a common framework
 - Packet 5: the impact of change

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Packet 1: Current Practice

Survey of different discount rates currently used for different purposes in each practice area in the UK

To include

■Historical perspective

■Legislative framework

Nature of promise

• Impact of government actions on nature of promise

To understand who liabilities are in respect of

Shareholders

Policyholders

• Management

Regulators

Trustees

• Pension scheme members

Covering following areas of actuarial work:

Life assurance

General insurance

• Pensions

• Finance & Investment

• Enterprise Risk Management

UK focus with only a passing reference to international developments where they have a particular bearing on UK practice

Initial findings: Discount Rate project

- Number of different methodologies for setting discount rates
- Principle Drivers
 - Purpose of the calculation and the context (practice area)
- Calculations fall into two broad categories:

Matching calculations

- What are the characteristics of the liability cash flow?
- Are there any traded instruments which match liability cash flows?
- Is the market deep, liquid and transparent?

Budgeting calculations

- How is the liability being financed?
- · What is the current yield on the investments?
- Is the current yield the same as the total overall return?

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Initial findings: Discount Rate project

Matching

- Accounting
 - Current IAS19 (pen)
 - Future IFRS4 (ins)
- Statutory reserves
 - Future (SII)
- Capital requirements (ins)
 - Current ICA
 - Future (SII)
- Shareholder (ins)
 - MCEV
- Risk transfer
 - Section75 (Pen)
 - Hedging (banks, ins)

Budgeting

- Accounting
 - Current (ins)
 - Director's pensions
- Statutory reserves
 - Current (ins)
- Funding (pens)
 - Technical provisions
 - Recovery plans
- Shareholder (ins)
 - Traditional EV
- Risk transfer
 - Transfer values (pen)
- Govt STPR
- Fundamental value

Calculations differ in the nature and degree of risk embedded in the discount rate

Initial findings: common language

- Improved language
 - Glossary of terms?
- Disclosure of risk
 - How risk is accommodated in calculations
 - How communicated
 - Are consequences understood?
- Education
 - Long term financing and regular measurement
 - Behavioural consequences
- Should discount rates state a specific purpose?

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Should discount rates differ?

- Do different purposes justify different approaches
 - Market consistent (portfolio replication) or expected return (projected budgeting)?
- Funding (budgeting exercise)
 - Enable different views on future uncertain events
 - New benefits vs deficit correction
- Valuation /Assessing capital (matching)
 - Is this a least risk assessment?
 - Should own credit risk or a fulfilment approach be used?
- Accounting:
 - Is the purpose to provide best possible quantification or to facilitate comparison?
 - Who are the end users and what are their purposes?

Differing discount rates: security

- Does security justify different discount rates
 - "Budgeting" = reduced financing, but risk that future outcome adverse
 - "Matching" = higher financing, risk of downside priced (but non-tradeable risks)
- · If use own credit risk (cf fulfilment) how should this be measured?
 - Security depends on collateral, amount and quality; should identical pension funds with same funding level but different assets (including contingent assets) have different discount rates?
 - Difficulties with uncollateralised assets (Sponsor covenant), scope or parent or group impact of national boundaries etc?
- · Should external protection be considered, PPF, FSCS, other?
- Should future actions be considered, investment policy, or regulatory, for example removal of Tax advantages on commutation?
- Does the legal vehicle for delivering the benefits matter? Should insured benefits be discounted differently?
- · Should this be recast as a discussion on capital?
 - Extra risk = lower security; an expression of capital

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Discount Rates: the actuarial profession

- Should the profession address the diversity of approaches to discount rates?
- Should the IAA be leading the work for the IASB, what role should the UK profession play?
- What are the risks to the profession if it:
 - i) does not provide direction on discount rates
 - ii) advocates a change in approach?
- Can this debate and work be structured to enhance the standing of the profession?