Dra	ft 6	June	2003

Questions marked (*) are for pension schemes only Questions marked (‡) are for life insurers only

Participant Information

Question 1
Name of person completing questionnaire
(note on confidentiality/anonymity)
Question 2
Contact email/telephone number
Question 3
Organisation name
Overtice 4
Question 4
Organisation type
Pension scheme
☐ Life insurer
Question 5
Funding ratio (MFR if pension scheme, statutory if life insurer)
Question 6
New entrant situation (*)
□ Open
□ Closed
Question 7
Future accrual situation (*)
□ Open
□ Closed

Current Strategic Asset Allocation

For pension schemes please respond in relation to all assets. For life insurers please respond in relation to free assets.

Question 8:
Fund size (£m)
Overtice 0
Question 9
What sort of strategic asset allocation does your fund have?
☐ Fund specific
☐ Peer group
Question 10
If your strategic asset allocation is fund specific, how was it primarily derived?
☐ Ongoing basis
☐ Statutory basis
☐ Accounting basis
☐ Other – please specify

Question 11

What is your current strategic asset allocation measured by economic exposure (eg, an index-linked swap would be categorised under index linked gilts [not sure about this – a conventional gilt plus an inflation swap together would give the economic exposure of an index linked gilt – how about cash plus an equity future would be categorised under equities?)? For non-UK asset classes, is the currency hedged?

If an allocation is equal to an end of a range, then categorise in the range which has that allocation as its upper end; for example, if the allocation is 5% then categorise in the 0%-5% range.

	Nil	0%- 5%	5%- 10%	10%- 25%	25%- 50%	50%- 100%	Currency Hedged?
UK equities					1		Treagea.
Overseas equities (developed and emerging)							
Fixed income gilts							
Index linked gilts							
Sterling investment grade corporate bonds							
Overseas investment grade bonds							
High yield debt and emerging market debt							
Property (direct and indirect)							
Hedge funds (including absolute return funds)[absolute return funds inc hedge funds?]							
Private equity							
Immediate annuities							

Non profit deferred annuities				
With profit deferred annuities				
Deposit administration contracts				
Investment bank products (including structured products)				

Question 12 How long has this investment strategy been in place?
☐ Less than 1 year
\square 1 year – 3 years
☐ 3 years – 6 years
☐ More than 6 years

Asset Allocation Decision Methodology

Question 13
Do you use external investment advisers
☐ Yes ☐ No
1 10
Question 14
If yes, how many?
\square 3 or more
Question 15
Do you have an investment sub-committee?
□ Yes
□ No
Question 16
Are the advisers the same for the trustee and company (*).
□ Yes
□ No
Question 17
What types of adviser do you use? Choose more than one if applicable.
Actuary
☐ Investment consultant
☐ Investment management firm
☐ Bank
Question 18
How many people are involved in making asset allocation decisions (excluding
external advisers)?
Question 19 De vou follow the advisors' advise?
Do you follow the advisers' advice? Almost always
☐ Most of the time
☐ Some of the time
□ Rarely
□ Never

Past And Future Changes; Drivers Of Change

Question 20

How has your strategic asset allocation changed (as a percentage of your total portfolio) in the last 5 years with regard to (derivatives should be classified by economic exposure)?

	Reduction			No	No. Increase				
	>25%	10%-	5%-	1%-	change	1%-	5%-	10%-	>25%
		25%	10%	5%	_	5%	10%	25%	
UK equities									
Overseas equities									
(developed and									
emerging)									
Fixed income gilts									
Index linked gilts									
Sterling investment									
grade corporate									
bonds									
Overseas	_	_	_	_	l _	_	_	_	_
investment grade									
bonds									
High yield debt		_					_		
and emerging									
market debt									
Property (direct and indirect)									
Hedge funds									
(including absolute									
return funds)									
Private equity	П		П				П	П	П
Immediate									
annuities									
Non profit deferred	П								
annuities									
With profit									
deferred annuities									
Deposit	_	_	_	_	_	_	l _	l _	_
administration									
contracts									
Investment bank									
products (including									
structured	_	_	_	_	-	_			_
products)									

Questi	on 21
What I	key driver justified the change in strategic asset allocation (choose one only)?
	Lowering risk
	Increasing return
	Matching liabilities
	Changes in perception of the market
	Changes caused by variations in market values
	Availability of new asset classes
	Other

Question 22
What other drivers do you consider when changing asset allocation (choose more than
one if applicable)?
☐ Lowering risk
☐ Increasing return
☐ Matching liabilities
☐ Changes in perception of the market
☐ Changes caused by variations in market values
☐ Availability of new asset classes
□ Other
Question 23
What advice or method was behind the change in strategic asset allocation (if
relevant, please select more than one)?
☐ Actuarial valuation
☐ Asset liability matching study
☐ Advising consultants or internal staff recommendation
☐ Decision based on boards own knowledge and research
☐ Corporate influence
□ Other

Question 24

How do you expect your strategic asset allocation to change (as a percentage of your total portfolio) in the next 2 years with regard to (derivatives should be classified by economic exposure)?

		Redu	ction		No	Increase				
	>25%	10%-	5%-	1%-	change	1%-	5%-	10%-	>25%	
		25%	10%	5%		5%	10%	25%		
UK equities										
Overseas equities (developed and emerging)										
Fixed income gilts										
Index linked gilts										
Sterling investment grade corporate bonds										
Overseas investment grade bonds										
High yield debt and emerging market debt										
Property (direct and indirect)										
Hedge funds (including absolute return funds)										
Private equity										
Immediate annuities										

Non profit deferred annuities									
With profit	П			П			П	П	П
deferred annuities									
Deposit	_	_	_	_	_	_	_	_	_
administration									
contracts Investment bank									
products (including	_	_	_	_	_	_	_	_	_
structured									
products)									
What key driver justifies the expected changes in strategic asset allocation (choose one only)? Lowering risk Increasing return Matching liabilities Changes in perception of the market Changes caused by variations in market values Availability of new asset classes Other									
relevant, please so			one)?						
☐ Actuarial									
☐ Asset liab				. CC		1			
☐ Advising									
Decision lCorporate			s own K	nowied	ge and r	esearcn			
= 001p01miv									
□ Other									

Quantitative Modelling

Question 27
What type of quantitative modelling was done?
None (please skip this section)Deterministic
☐ Deterministic with sensitivity analysis
☐ Scenario Analysis
☐ Stochastic Modelling
Question 28
If stochastic modelling was used, what stochastic investment model was used?
☐ In-house model
☐ Propriety model of Consulting Firm
☐ Published Model
Question 29
If an in-house model or proprietary consulting firm model was used, was it
☐ Based on a published model
☐ Based on economic/financial economic theory☐ A "best-fit" statistical model
☐ Don't know
Don't know
Question 30
If published model was used, or a model based on a published model, which model
was it?
☐ Don't know ☐ Wilkie
Random Walk
☐ Smith Jump-Diffusion
TY
☐ Cairns
☐ Whitten & Thomas
☐ Barrie & Hibbert
☐ Timbuk1
□ Other
Question 31
How well did you understand how the model works?
Complete understanding
☐ Basic understanding
☐ Limited understanding☐ No understanding (black box)
110 understanding (black box)
Question 32
Would you have liked more understanding of the model before making a decision?
☐ Yes ☐ No
□ 110

Question 33			
Did you have any input on modelling assumptions e.g. inv	estment	s returns	
volatilities, correlations?			
☐ Fully discussed all assumptions			
☐ Discussed key assumptions only			
☐ No discussion on assumptions			
Question 34			
Were modelling assumptions changed as a result of your i	nput?		
☐ Yes, significant changes	npat.		
☐ Yes, minor changes only			
□ No			
0			
Question 35			
Which asset classes were modelled?			
	Yes	No	
UK equities			
Overseas equities (developed and emerging)			
Fixed income gilts			
Index linked gilts			
Sterling investment grade corporate bonds			
Overseas investment grade bonds			
High yield debt and emerging market debt			
Property (direct and indirect)			
Hedge funds (including absolute return funds)			
Private equity			
Immediate annuities			
Non profit deferred annuities			
With profit deferred annuities			
Deposit administration contracts			
Investment bank products (including structured products)			
Overtice 26			
Question 36 Which begas were used for projections?			
Which bases were used for projections? Ongoing basis			
☐ Statutory basis			
☐ Accounting basis			
□ Other			
Question 37			
How were assets valued in projections?			
☐ Market Value			
☐ Smoothed Market Value			
☐ Other method not related to market value e.g. discount cash flow			

Question 38

Over what time horizons were projections made? 1 year or less 1 - 3 years 3 - 5 years 5 - 10 years 10 - 20 years >20 years
Question 39 Which of these time horizons was given the most significance when deciding on strategic asset allocation?
☐ 1 year or less ☐ 1 - 3 years ☐ 3 - 5 years ☐ 5 - 10 years ☐ 10 - 20 years ☐ >20 years
Question 40 Which output variables were analysed? □ Funding level / free asset ratio □ Contribution / premium rates □ Other
Question 41 Which of these output variables was given the most significance when deciding on strategic asset allocation? ☐ Funding level / free asset ratio ☐ Contribution / premium rates ☐ Other
Question 42 Which measures were used in the analysis? Confidence intervals around a financial variable Probability analysis of achieving/not achieving stated events Other
Question 43 Which of these measures was given the most significance when deciding on strategic asset allocation? Confidence intervals e.g. 95% confidence interval around funding level Probability analysis e.g. Probability of x% increase in contribution rate Other:
Question 44 Was any optimisation used e.g. an efficient frontier? Yes, at sub-asset class level Yes, but only at broad asset class level

	No	
		optimisation techniques?
approp	o you split liabilities f	or asset matching purposes? Choose more than 1 if
Questice What keep rates?		u use to project liabilities? Please give approximate
	Inflation Salary Increase Pension Increase Mortality rates Retirement rates Interest rate	

Monitoring

Question 48
How often do you monitor the strategic asset allocation decisions?
☐ Quarterly
□ Annual
☐ Every 3 years
☐ Less frequent than every 3 years
Question 49
What are the triggers for looking at strategic asset allocation other than time? Tick as
appropriate.
□ None
☐ Market shock
☐ Corporate changes
Regulatory changes
☐ Decision-maker changes
Benefits changes Demographic changes
□ Demographic changes□ Adviser's recommendation
Other
D Other
Question 50
What tools/process do you use to monitor strategic asset allocation decisions?
☐ Internal maintenance of a decision log
☐ External monitoring
□ Other
Question 51
Does the results of the monitoring influence your strategic asset allocation decisions?
□ Yes
□ No

Alternative Asset Classes

By alternative assets we mean assets classes other than cash, fixed income, equities and property. In particular hedge funds and private equity, but also assets like commodities, art, timber, farmland, oil and gas.

Question 52										
Do you think	alternative	assets ha	ve a	role	to	play	in vour	institution ³	s inve	estment?

	Hedge funds	Private equity	Other
Yes			
No			
Undecided			

Question 53 What are the drivers for investing in alternative assets?

	Hedge funds	Private equity	Other
Return enhancement			
Low correlation with other assets/diversification			
Liability match			
Protection against market risk			
Don't know			
Other			

Question 54

Has the difficulty in modelling alternative	ve assets in an ALM framework provided a
barrier to investing in them?	

Yes
No
Don't know

Question 55

Do you / would you have any geographical constraints on your alternative assets, whether by economic exposure, currency, listing or administration?

No
Yes, UK only
Yes, Europe only
Yes, Developed markets only

Question 56

How knowledgeable do you feel on alternative assets?

	Hedge funds	Private equity	Other
Very			
A lot			
A bit			
Not much			
Very little			

Nothing			
Question 57 Where are you obtaining information on alternative assets? Investment consultants Fund managers Press Other!!!!!!!			
Question 58 What are your biggest unthat apply) Transparency Liquidity Lack of return his Manager selection Performance meand Regulatory enviror Lock-in period Leverage/Gearing Reputation of derimal Management fees Complexity Volatilities of return his Management fees	story n surement difficulty nment vatives (value for money) urn n peers ng of asset class	arding alternative inv	restments (tick all
Question 59 Do you believe that altern return environment? Yes No Don't know	native investments ha	ve a greater role in a	low inflation low
Question 60 To what extent do quantital alternative investments? Predominately quantital Both, but greater and Both, but greater and Predominately quantital Predominately qu	antitative emphasis on quantita emphasis on qualitati	tive	allocation to
Question 61 Was the Myner's Report a Yes No	an impetus to investi	ng in alternative asse	ets?

Open Questions