

Agenda

- 1. Products with long-term guarantees under Solvency II
 - Issues for these types of products
 - · How regulation looks to address these issues
- 2. Practical implementation of the Matching Adjustment and Volatility Adjustment



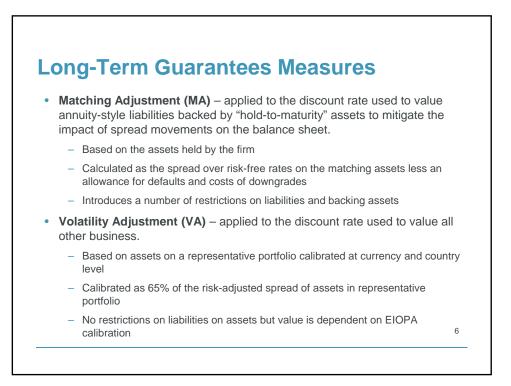
Products with long-term guarantees Products with long-term guarantees can look particular unattractive under Solvency II where long-dated, relatively stable liabilities are matched by assets that need to be valued at market rates on a regular basis Covers a range of long-term products with interest rate guarantees

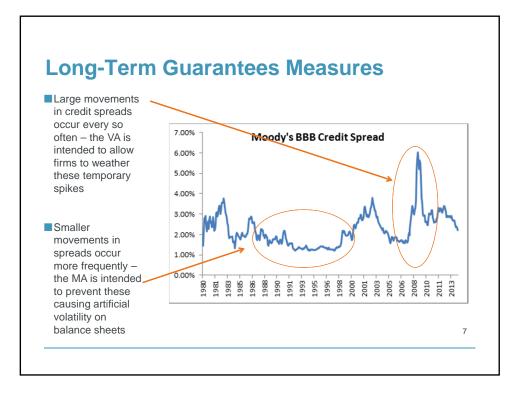
- Characterised by highly predictable cashflows and no, or positive, strain on surrender
 - E.g. annuities
- Often backed by high quality fixed interest asset portfolios held to maturity
 - As holding to maturity, asset cashflows are only affected by default rates and not spread volatility
 - Changes in liability cashflows generally would not force insurers to sell assets early
- Products with long-term guarantees provide essential social benefits, such as retirement provision, in many countries

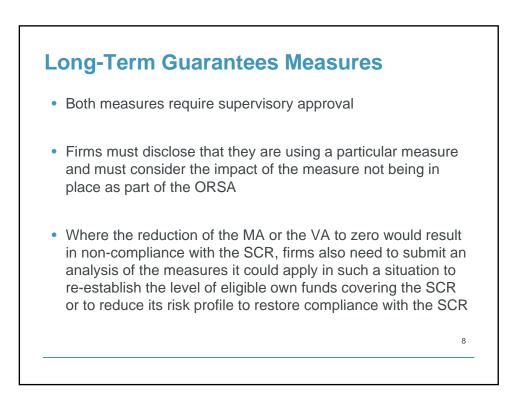
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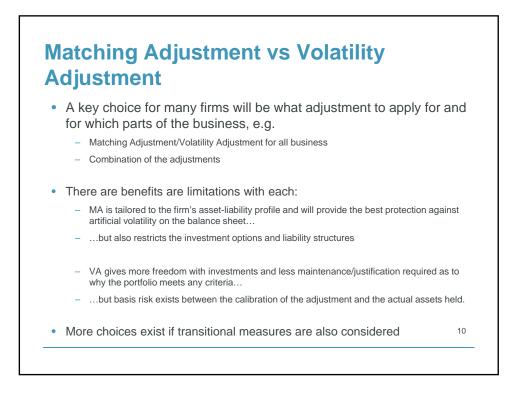
- Unless the right steps were taken, Solvency II risked creating artificial volatility (in Own Funds) & pro-cyclicality
- Not addressing the issues of artificial volatility and pro-cyclicality risks insurers shifting from longer-term to shorter-term assets, leading unnecessarily to a range of unintended adverse macroeconomic impacts:
 - Limiting the insurance industry's traditional role to invest and assist growth in the European economy
 - Reducing the insurance industry's traditional role as a stabiliser in financial markets, and thereby reducing systemic risk and market volatility
- Consumers may also have suffered where companies stopped selling long-term guaranteed products and/or increased policyholder charges due to unnecessarily high capital requirements for these products





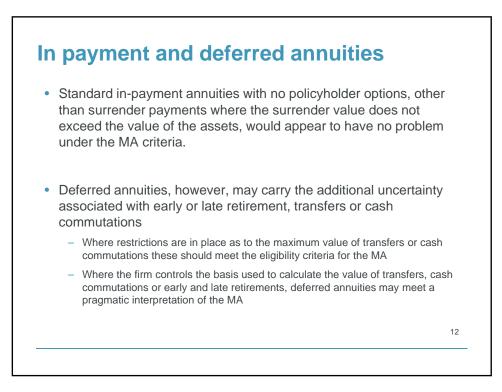




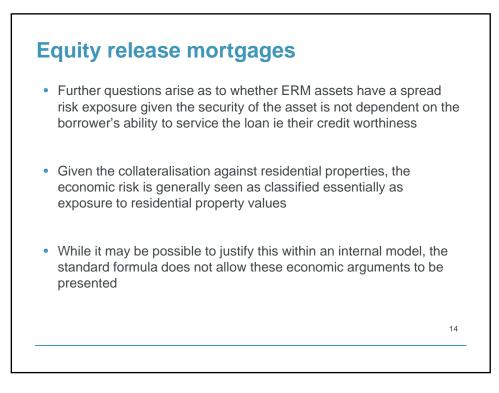


Practical issues implementing the Matching Adjustment

- For firms looking to use the MA there are a number of practical considerations
 - How to interpret buy-to-hold and what permits rebalancing
 - E.g. Can firms rebalance where changes in default expectations lead to a change in the expected asset cashflows
- · How to write new business into a MA portfolio
 - Will the PRA effectively approve a methodology which can then be applied to all MA compliant liabilities?
 - Will separate applications be required for sufficiently large portfolios of new business?
 - Can materiality be used to incorporate new business into approved portfolios?
- For internal model firms with IMAP dates after the date for applying for MA approval, further issues arise as the matching asset portfolio must be in place in time for the MA application
 - The capital implications of the portfolio will potentially look very different under standard formula as opposed to under an internal model



Equity release mortgages Equity release products are increasingly gaining recognition as alternative solutions for retirement However, significant uncertainty remains around whether these would be eligible for the MA Concerns focus around the existence of No Negative Equity Guarantees (NNEG) and the longevity risk exposure of the mortgage Insurers have attempted to highlight the similarity between an NNEG exposure and Corporate Bond default risk while the longevity risk exposure could be mitigated through a longevity swap When the mortgage holder dies and / or sells the property because of move to long term care etc, then the mortgage writer will recover the lower of the accumulated balance of mortgage and the sale price of the property Given the initial loan to value of property and long-term expected house price inflation, this will be reasonable remote risk exposure This has been compared to a default event for a corporate bond where the 13 lender only recovers a proportion of the capital lent



7

