

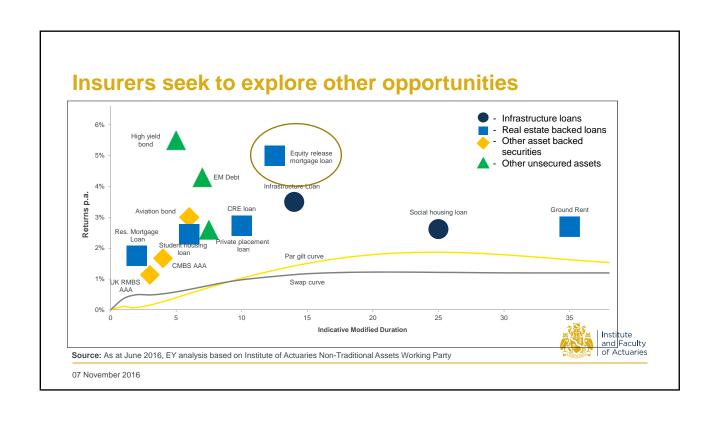
Agenda

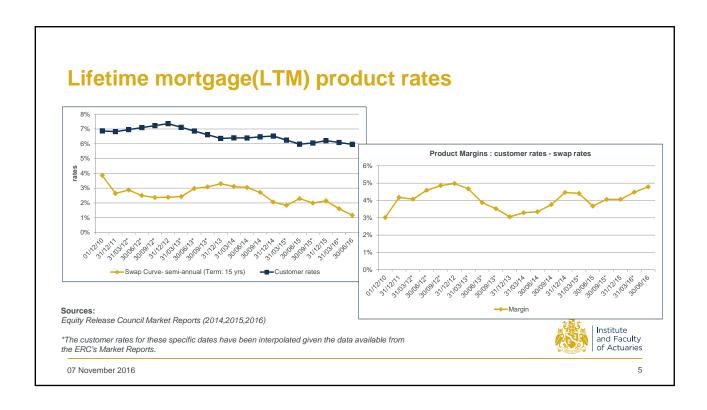
- The market
- Recent challenges
- The case study



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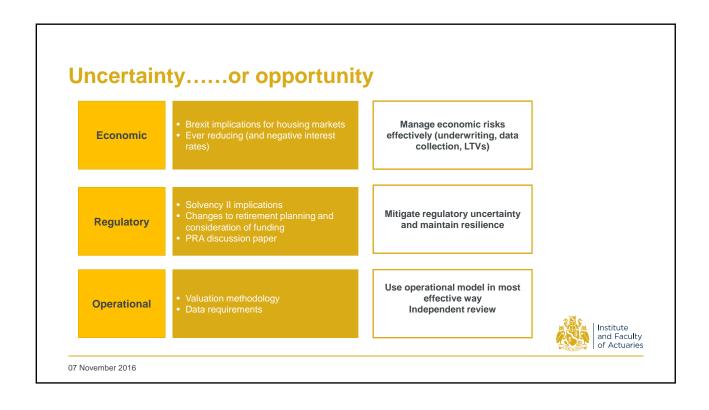
Lifetime mortgage (LTM) market specifics

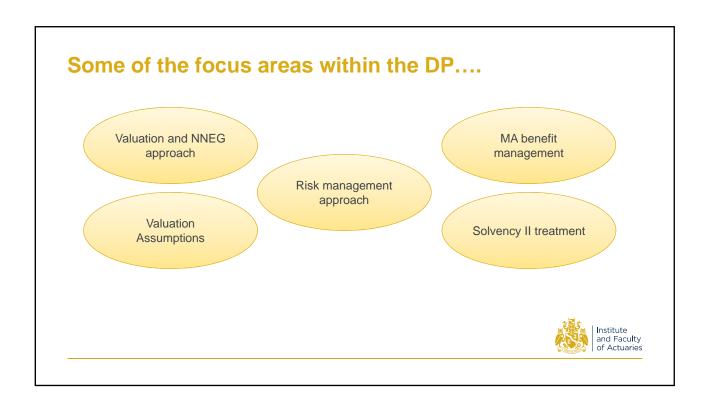
- · New entrants into bulk annuity markets
- Focus from other non-insurers
- · An increasing range of product offerings
- Back-book transactions versus origination
- Regulatory sentiment FCA / PRA view

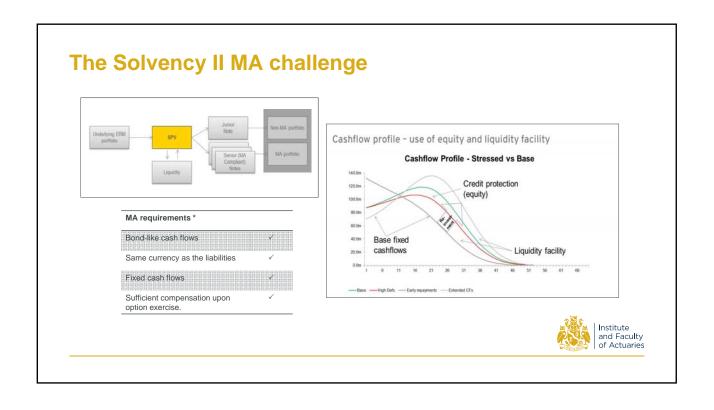


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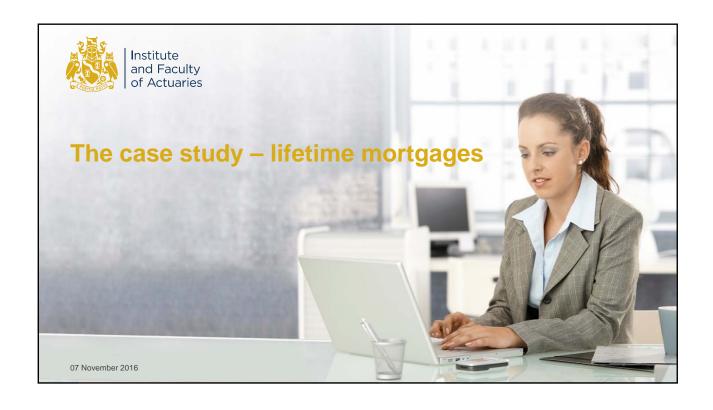


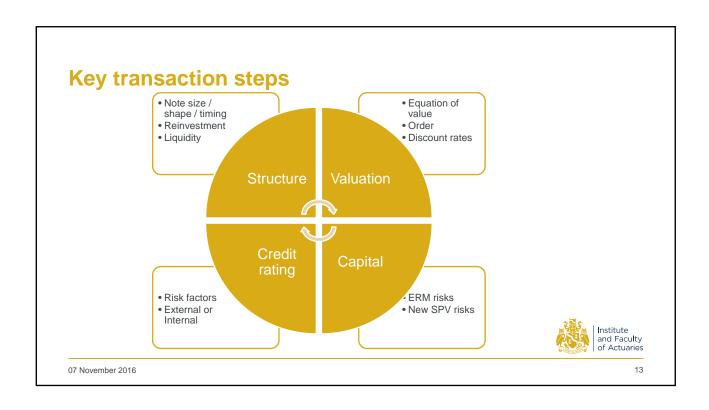
Where are we now with MA approvals

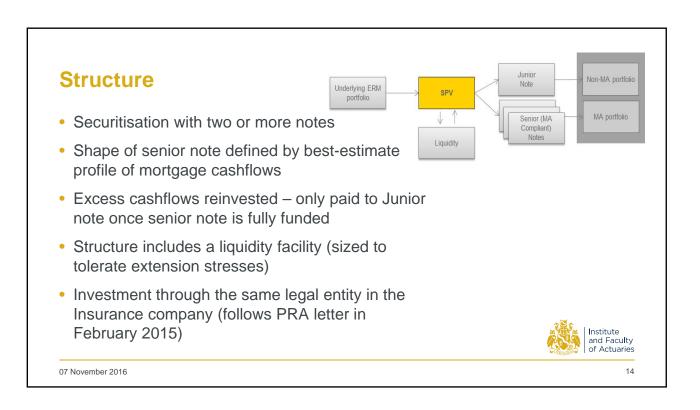
- 4 firms with approved LTM structures in the market at YE 2015
- A number of further firms with applications for LTM structures in with the PRA
- This has been accompanied with:
 - For firms with internal models, extension to internal model approvals
 - For firms under SF, a move to a Partial Internal Model of some form
- Securitisation also being considered as an option for other asset classes?











Valuation

- Pre-securitisation
 - Discounted cashflow (deterministic), allowing for early repayment, ill health, mortality
 - Risk-neutral Black-Scholes approach to reflect the NNEG in the value
 - Discount rate derived from market rates
- Post-securitisation
 - Equation of value and valuation order?
 - Reinvested assets / Senior fees / leakage of value
 - Discount rates set by expert judgement and "solved"
 - Reinvested assets change the balance of risk and the discount rate



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Credit and capital

- Proxy method or look through to underlying loans?
- Stress the risk factors for the underlying loans (e.g. mortality)
- Stress the risk factors introduced by the SPV (e.g. reinvestment)
- MA requirements
 - Bond-like cashflows
 Same currency as liabilities
 - Fixed cashflows
 No optionality in senior note
- Internal rating approach used, but validated by credit opinion from ECAI
 - Combined universate stresses, no diversification
 - Heavy prepayment and low reinvestment rates



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Specific challenges of LTM - business

- New type of asset through securitisation bringing specific challenges
 - Model ownership and governance
 - Transaction execution
 - Operational readiness who performs tasks post transaction
 - Further advances & Treating customers fairly



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Questions Comments

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