



### **Technical justifications** The technical provisions regulation

#### Unit shorting Technical justification

- How it works
- Approaches
- Scope
   Practical implications
- Firms no longer compelled to match full unit-linked liabilities, only the Technical Provisions generally lower than the unit linked liabilities.
- Opens possibility for reduction for market risk capital charges

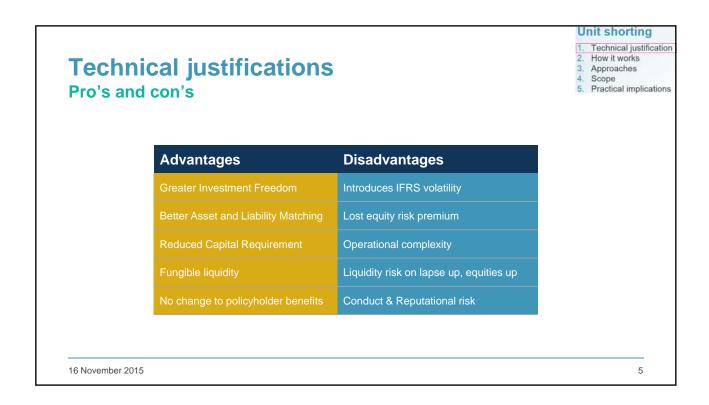
Article 23(1) of the Directive - Benefits directly linked to units

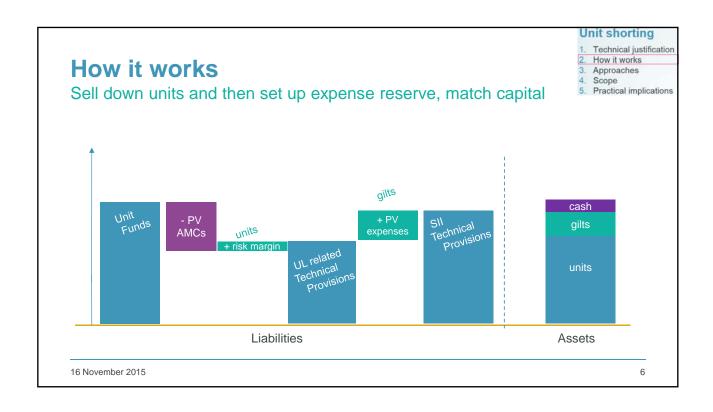
#### Article 132 of the Directive – Prudent person principle

- Under Solvency II, the technical provisions can be lower than the surrender value
- Introduces flexibility in the asset selection

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#### **Unit shorting** 1. Technical justification How it works **Technical justifications** Approaches Scope Practical implications Reducing SCR - The downward equity shock Fully invested in equity Asset position: 100 in equities Unit liabilities: 100, Technical provisions: 70 40% eq. DOWN SCR 30-18=12 70 Surplus invested in cash Asset position: 80/20 in equities/cash Unit liabilities: 100, Technical provisions: 70 40% eq. DOWN SCR 70 30-26=442 20 16 November 2015 4





## Scope

#### Considerations

#### **Unit shorting**

- Technical justification
   How it works

- Approaches
   Scope
   Practical implications

#### Predictability of lapses

- Group contracts
- Life styling
- Small vs large funds

#### **Existing VIF arrangements**

#### Fund futures

- · Growing vs closed
- Impact on pricing basis
- · Size of AMC's

TCF and consistency with policyholder communications

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## **Approaches**

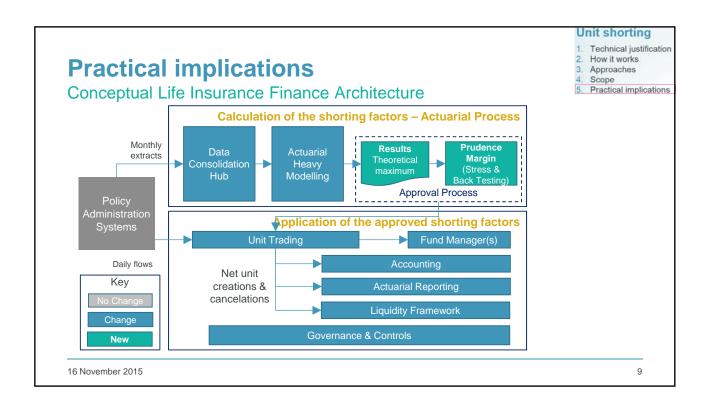
#### **Unit shorting**

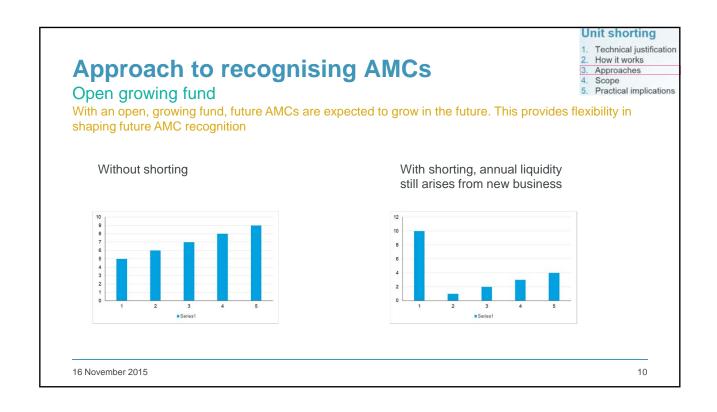
- Technical justification

- How it works
   Approaches
   Scope
   Practical implications

	Continuous	Discrete
What is it?	Application of the appropriate shorting factor to both the block and all policyholder flows	Total amount that can be shorted is treated as a facility that can drawn upon when needed
SCR Impact	Known prior to execution, relatively stable, maximised	Can be estimated prior to execution, will change as a result of the liquidation of each tranche of units
Liquidity Impact	Taken in one go, with uncertain future impacts driven by behaviour of the block. New business written can immediately be shorted, producing additional liquidity.	Taken in discrete tranches in order to meet liquidity demands, greater certainty over future liquidity impacts. New business written adds to available liquidity
Monitoring & Control	Very close and frequent oversight required to maintain position within risk appetite.	Less frequent unless amount liquidated approaches a similar percentage to that of the continuous approach

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#### Unit shorting 1. Technical justification How it works **Approach to recognising AMCs** Approaches Scope Practical implications Closed declining fund With a closed, declining fund, future AMCs are expected to run off in line with the expected future duration of the block. This provides less flexibility in determining the profile of future AMCs after shorting. The choices are: All available liquidity up Less up front and Less up front and Without shorting smoothed deferred Year 1 5 5 3 4 1 2 3 5 4 16 November 2015 11

## **Risk management**

Risks introduced	Mitigants
Calculation error	Leverage existing actuarial models Ongoing monitoring of close matching Prudence margins Governance and review
AMCs lower than expected due to for example: <ul><li>Lapses higher than expected</li><li>Fund switches</li></ul>	Choice of products/funds in scope Lapse and fund monitoring Prudence margins
Reputational risk	Operational design to avoid changes to customer interface systems
Operational risk	Automation Controls built into process
Liquidity risk following a mass lapse event combined with an increase in funds	Lapse and fund monitoring Prudence margins Liquidity framework and buffers

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## **Discussion points**

- Impact on competitiveness relative to fund managers
- Application across Europe
- · Relevance for monolines vs multi-product
- Allowance for the lapse equity cross term in capital models

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# **Questions**

## Comments

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