

Introduction

- A talk covering certain issues that a globally active insurer faces when making an acquisition in an emerging economy having a relatively low sovereign credit-rating
- Not a talk about doing business in faltering European/Western economies
- ... but many shared issues
- · Apply insights to "gilts vs swaps" debate

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Agenda

- 1. Scene-setting
- 2. Domestic perspective Own-government credit risk
- 3. International perspective Host-government credit risk
- 4. Government-bond credit-risk blind spot
- 5. Joint Ventures
- 6. Solvency valuations government bonds vs swaps
- 7. Summary

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1. Scene-setting

- Insurers in developed countries may look for growth in emerging economies
 - ∘ Eastern Europe ∘ Asia/Far East ∘ South America/Africa
- Risk-minimal investment strategy for guaranteed liabilities
 likely to involve domestic government bonds
- Commonly rated BBB or below
- Yields generally higher than those of AAA developed economies
- Reflects, inter alia, higher inflationary expectations and credit risk

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1. Scene-setting

	10-year domestic government debt	
	Rating	Annualised Yield
Developed Countries (e.g.s)	(Fitch)	(%)
Germany	AAA	2.2
UK	AAA	2.6
USA	AAA	2.2
Emerging Countries (e.g.s)		
India	BBB-	8.3
Philippines	BBB-	5.9
Russia	BBB	8.4
Turkey	BB+	8.9

Source: Fitch; Colleague/Bloomberg (data as at 31.8.2011)

1. Scene-setting

Do countries ever default on their domestic debt?

Yes!

- Despite ability to print money
- Otherwise, domestic debt ratings would all be AAA (for genuine sovereigns)

Selected episodes of domestic debt default or restructuring*

1930s-1950s	Bolivia (1927), China (1932), Greece (1932), Spain (1936-39), US (1933), UK (1932),
	Spain (1930-39), OS (1933), OK (1932),
	Germany (1948), Japan (1946-52)
1970-2007	Russia (1998-99), Ukraine (1998-2000),
	Argentina (1982, 1989-90, 2002-05), Brazil
	(1986-87, 1990), Mexico (1982),
	Zimbabwe (2006)

*Table 3 (extract) of Appendix, "The Forgotten History of Domestic Debt" – Reinhart (Maryland and NBER) and Rogoff (Harvard and NBER) (April, 2008)

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2. Domestic perspective – Own-govt credit risk "So what if 'risk free' is not really risk free!"

- Domestic insurer offering guaranteed benefits in emerging economy (rated < A, say)
- How should domestic insurer allow for own government credit risk?

Choice A – Ignore credit-risk of Choice B – Mitigate credit-risk own-government bonds (OGBs) of OGBs

- Ignore possibility of OGB default Purchase protection for OGBs
- Large slice of the "credit-risk AAA foreign government bonds premium" can go to policyholder + FX overlay
- Competitive products Over capitalise
- No global reputation at stake
- Extra security has a cost
- Who pays P/Hs or S/Hs?
- Impacts competitive position
- Choice A inevitably wins

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2. Domestic perspective – Own-govt credit risk Role of local regulator

- Is a local regulator concerned about own government default?
- Generally not (e.g. India, Philippines, Turkey all rated
 A; Solvency II (QIS5))

Government

Regulator

Regulator can hardly demand that insurers anticipate own govt. non-performancel

 But some European regulators are not seeing it this way at present! (Can have adverse impact on local bond market.)

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3. International perspective – Host-govt credit risk "To wrap or not to wrap"

- Internationally active insurer looks to acquire our domestic insurer
- How should it approach the host government debt exposure?
 (Pru's \$35.5bn bid for AIA in 2010: AIA held \$18bn of government-debt exposures, including \$7.4bn in Thai bonds, A-/negative.)
- Depends on action the international insurer would take on host government default
- "Wrapping" or "not wrapping"

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3. International perspective – Host-govt credit risk Wrapping

- International insurer would stand by domestic insurer in the event of domestic government debt default
- Effectively wrapping the domestic debt with its own resources
- Has its global reputation to think about
- But this credit wrapping has a cost
- Will impact acquisition price and new business pricing may not be able to compete!
- Consider alternative product mixes (unit-linked; short-tailed GI)

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3. International perspective – Host-govt credit risk

Not-wrapping



- International insurer decides at outset that it would not pump in more capital if host government defaults
- Competitive deal bid-price and competitive products in local market
- Justifications for walking away from an insolvent subsidiary (as a result of host-government default):
 - Host government could have pulled other levers to fund its deficit
 - Claim "political interference"
 - Undamaged global reputation?
- Can't walk away if not in separate legal entity

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3. International perspective – Host-govt credit risk *Word of warning*

- Only do business on a "not wrapping" basis if you really mean it!
- Capitulation (i.e. wrapping) in the event of a host government default is bad news for the shareholders
- · Worst of both worlds for shareholders
 - Overpaid for target
 - Under-priced new business
 - No favourable publicity at outset
 - End up paying for the default anyway
- But may occasionally make sense to inject a little to save a lot

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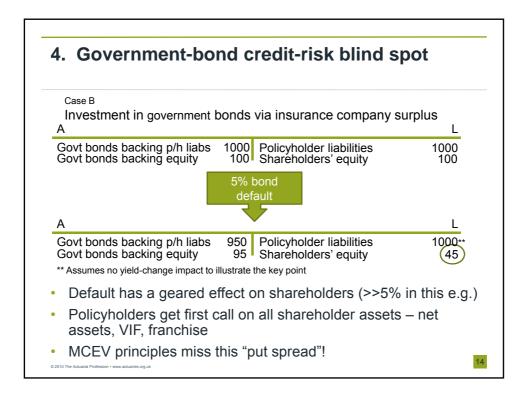
4. Government-bond credit-risk blind spot



- Even a "not-wrapping" approach has an economic cost
- Simplified example: €100 shareholder investment in government bonds via
 - (i) an investment company
 - (ii) net assets within an insurance company

Instantaneous partial default – 5%

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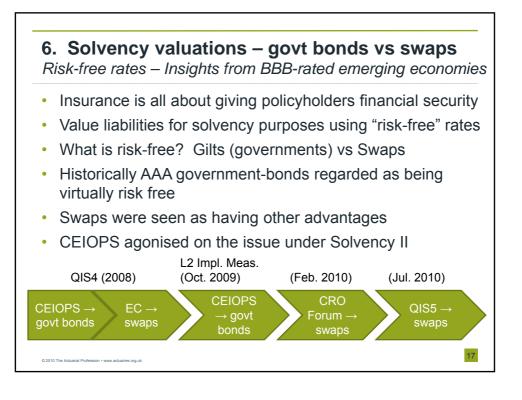
5. Joint Ventures



- Condition of entry in certain countries is to team up with a local company
- Frequently name of global partner is prominent (e.g. in India – ICICI Prudential, Bajaj Alliance, HDFC Standard Life, Aviva)
- Local player may have no global reputation to protect
- May be perfectly "happy" to walk away if own government defaults ("force majeure")
- Where does this leave the global partner?
 Can't simply keep its 26% (say) of the company solvent!
- Danger exists that global insurer gets <<100% of profits but pays 100% of large losses!

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6. Solvency valuations – govt bonds vs swaps How risk free does "risk free" need to be?

- Fundamental question: for solvency valuations, do we require absolutely risk-free rates?
- Risk is not absolute need to measure it against a suitable reference point
- Who's frightened of a wasp when you're chased by a lion?!
- Assertion: Appropriate reference point for policyholder security is own-government performance (whether AAA or not)
- If the insurer's own government defaults, all bets are off!
- Government-appointed regulator can hardly expect regulated insurers to perform if government itself doesn't perform!

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6. Solvency valuations – govt bonds vs swaps

Government default doesn't have to ruin domestic insurers (1)

- Functional society has a number of pre-requisites
 - One is a functional and responsible government
- Government with funding difficulties can pull any of a number of levers:

Spending cuts

Tax rises

Money printing

Default

- Decision on where axe falls will take impact on all stakeholders into account, including financial institutions
- If government exercises the default option, it can still protect its own banking and insurance industry and their customers
- Perhaps for this reason, regulators in countries such as India (BBB-) and Philippines (BBB-) ignore own-government credit risk

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6. Solvency valuations – govt bonds vs swaps

Government default doesn't have to ruin domestic insurers (2)



- Financial institutions had all Reich securities removed from their balance sheets
- Received state equalisation claims to restore solvency if impaired ("The German Currency Reform" by Jack Bennett, Annals of the American Academy, Jan. 1950)
- Russian domestic default 1998
 - Insurance companies (and individual investors) had special option to redeem their debt on original terms
- Argentine default 2002
 - Most contracts were denominated in USD
 - Pesification of dollar A&Ls subject to Argentine law
 - SV obligations could be met by govt bonds (in \$) at par
 - Decree 558 liquidity loans, sub-debt, SV waiting periods

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6. Solvency valuations – govt bonds vs swaps *Solvency II – creating risk?*

- Reference rates based on swap yields
- Practical difficulties investing to replicate
- Introduces a spread-risk between own-government-bond assets and technical provisions (unjustified if policyholder risk-base-line is own government)
- Particularly evident in the Eurozone at present (PIIGS)
- BUT gilt/swap debate ought to be irrelevant under SII anyway
 - 1-year risk horizon followed by portfolio transfer at "MVL"
 - Market price of liabilities is what another player would demand following a 1-in-200 shock!
 - Govts + MVM₁ ≡ Swaps + MVM₂
 - Different debate!

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7. Summary

- Global insurer making an acquisition in a "weaker" economy must decide upfront how it is going to approach host-country sovereign credit risk
- Even a "non-wrapping" approach has an economic cost
- Global brand "asymmetries" pose dangers in joint-venture arrangements
- If base-line risk for policyholders of regulated insurers is own-government debt performance → use of own government bond yields to value liabilities

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