The Actuarial Profession

making financial sense of the future

Pensions, benefits and social security colloquium 2011 Denis Plouffe, FCIA, FSA



26 September 2011

Table of Contents

- Overview of Guarantee Funds
 - Why having Guarantee Funds?
 - Premium and claim structures
 - Evolution of the PBGC / PBGF / PPF financial position
- Case study Nortel
- Canadian proposals Getting the right balance of policies?
- Are "non pension" postretirement benefits protected?
- Concluding remarks

Why having Guarantee Funds?

- Pensions are perceived by employees as "Deferred Wages"
 - Need protection against market failure (often equal plan failure)
 - Need diversification (eg. with Book Reserve Systems)
- Challenges faced by Guarantee Funds
 - -Moral Hazard (irresponsible behavior)
 - -Anti-Selection (leading to subsidy)
 - -Systemic Risk (eg. global financial crisis)
 - -Governmental involvement (political vs. economic)

Premium and Claim Structures (Major Guarantee Funds)¹

Guarantee Funds	Premiums	Claims
US – PBGC	flat based / liability based	assets and liabilities taken over
Canada – PBGF (Ontario only)	same as PBGC	cash allocation made to plan administrator
UK - PPF	flat based /risk based	assets and liabilities taken over
Japan	% of liabilities	unclear on the event
Germany	% of liabilities ²	annuity purchases
Sweden	% of liabilities	annuity purchases
Switzerland	based on liabilities	annuity purchases

¹ For Single Employer schemes (may differ for Multi-employer schemes). Certain Countries (eg.the Netherlands) opted for more stringent funding requirements in lieu of guarantee funds

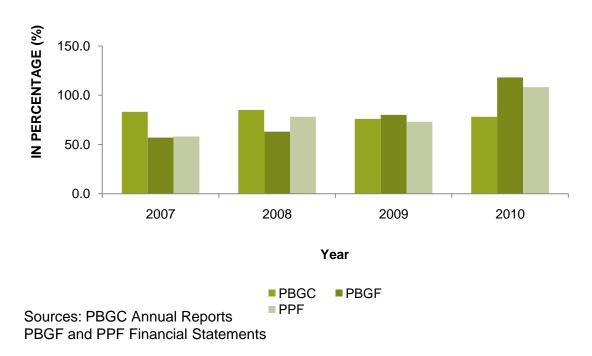
Source: Stewart, F. (2007), "Benefit Security Pension Fund Guarantee Schemes", OECD Working Papers on Insurance and Private Pensions, No. 5.

² Based on prior year's experience (Book Reserve method)

Evolution of the PBGC / PBGF / PPF Financial Position

- •A true comparison of the financial position may not be possible
 - -different premium and claim structures;
- -different assumptions and methodology (eg. on discount rates- LIBOR vs. Annuity purchase rates);
- Based on a snapshot of assets and liabilities at balance sheet date
- -ignore contingent liabilities (ie. future plan terminations) unless certain conditions are met;
- -the PBGF financial position for FYE 2010 reflects a \$500 M grant from the Ontario province
- -need to consider stochastic projections (eg. PPF levies)
- •PBGC publishes results of stochastic projections annually;
- •A recent PBGF study with stochastic projections was prepared for Ontario

Evolution of the PBGC /PBGF/ PPF Financial Position (Assets/Liabilities) for FYE 2007-2010



Case Study – Nortel (1 of 2)

- One of the largest pension fall out in Canada (with Algoma Steel)
- Approximately 20,000 employees were affected
- Main scheme was approximately 65% funded on a solvency basis
- Scheme registered in Ontario
 - -Province of registration vs. province of employment
- •Complete annuitization (about CAD \$2.5 bn) could not be supported by the Canadian annuity market
 - -Paved the path for pension scheme buyouts
 - -Alternative to annuity purchase
 - -Funds to be held by major financial institutions

Case Study – Nortel (2 of 2)

- Ontario Response
 - -CAD \$500 M grant from Ontario Government to PBGF
 - -Option for members to go with non insurer funds (buyout)
- Quebec Response
 - -``Orphenage`` provision by Québec Regulator
- Global ramifications
 - -PBGC took over the US pension scheme
 - -UK and EMEA claims Order from UK Pension Regulator submitted in Ontario
- Next steps
 - -Proposed changes to Federal Legislations
 - -Companies' Creditors Arrangement Act (``CCAA``)
 - -Bankruptcy and Insolvency Act ("BIA")

Canadian Proposals–Getting the right balance of policies?(1 of 3)

Amend Federal
Legislation(CCAA and BIA)
Should pension deficit be
given super priority in
creditor ranking?

Propose a National
Guarantee Fund
Should the PBGF be
expanded across
Canada?

PBGF

Amend Pension
Legislations
Should the role of Pension
Regulators /Plan
Administrators be
expanded during
insolvencies?

Propose regulations to protect the PBGF against insolvency? Which guidelines should be developed to protect guarantee funds against insolvency?

Benefit Security/
Long-term
Sustainability

Getting the right balance of Federal, Provincial and other regulatory policies to improve benefit security while assuring the long-term sustainability of the retirement system

Canadian proposals—Getting the right balance of policies?(2 of 3)

- •Should pension deficit be given super priority in creditor ranking?
 - -Results could be higher cost for credit, pressure on plan funding
- •Should the role of the Pension Regulators / Plan Administrator be expanded?
 - -Set up benchmarks to identify schemes « at risk of failure »
 - -Risk management (eg.stress testing, cancel benefit improvements, etc.)
- Should the existing Guarantee Fund (PBGF) be expanded across Canada?
 - -Learn from challenges in other countries (eg.premium structures)
 - -Based on total estimated pension wind-up deficits
 - -"National PBGF" exposure would be "multi billion" dollars

Canadian proposals—Getting the right balance of policies?(3 of 3)

- Which guidelines should be developed to protect guarantee funds against insolvency?
 - -Proper risk management (asset/liability mismatch, sponsor's financial health, etc.)
 - -Who should own the governance of guarantee funds?
 - -How a guarantee fund should deal with its own insolvency?
 - -Should all pending claims be paid on a pro rata basis?
 - -Should they be paid by the first in the queue ?
 - -Should an emergency fund (with special levies) be imposed?
 - -Should the Government provide ``Back up Insurance``?

Are "non pension" postretirement benefits protected?

- The short and simple answer is NO
 - -Typical plan provisions include the right by employers to amend or terminate health and welfare schemes
 - -Retiree medical contracts can be rejected in courts
- •In the Nortel case, employees lost not only their jobs but postemployment health and welfare coverage
 - -Some remaining trust assets for LTD benefits are being disputed in courts
- Not much regulations to date to protect ``non pension`` postretirement benefits
 - -BIA and CCA proposals for Health/LTD (similar to pension)

Concluding remarks

- If postretirement benefits are communicated as "deferred wages" to employees, their protection against insolvency should be a priority
- We have explored different ways of addressing benefit protection
- •A common challenge among regulatory regimes is getting the right balance of policies to achieve security and sustainability
- •I believe that pension and benefit reforms should provide:
 - -Risk management tools to prevent scheme failures
 - -Schemes considered "at risk" should be monitored against potential failures
 - -Greater role should be given to regulators and plan administrators before and during insolvencies
- •PLEASE SHARE YOUR VIEWS!

Questions or comments?

The views expressed in this presentation are those of the presenter with appropriate sources as quoted in the document.

Denis Plouffe, FSA, FCIA GBC Global Benefit Consulting 1214 Van Horne Montreal (Quebec) Canada H2V 1K3 001 514 274 1964 www.globalbenefit.ca denis.plouffe@globalbenefit.ca



