SOLVENCY II Level 2 Implementing Measures Position after the 3 waves of Consultation Papers and the Quantitative Impact Study 5 Technical Specifications Dr. Thomas Guidon CASUALTY LOSS RESERVE SEMINAR 21 September 2010 Intl – 2: Solvency II – Update and Current Events Milliman



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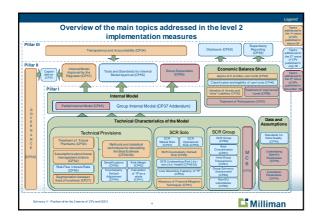
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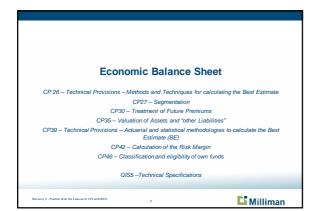
Status Quo Solvency II Level 2 implementing measures

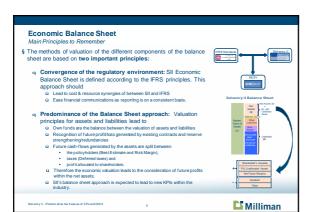
- § The European Commission asked CEIOPS to launch a consultation process with the (re)insurance industry players
 q Three waves of Consultation Papers (CPs)
 - - ü 1. wave of 12 CP's published on 26th March 2009.
 ü 2. wave of 24 CPs published on 2nd July 2009.
 - ü 3. wave of 17 CP's published on the 2nd November 2009.
 - q The outcomes from these consultations assisted CEIOPS in issuing final advices to the European Commission.
- § The following diagram shows the main topics addressed in the Level 2 implementation measures, organised by theme, with the topics addressed in the 1st, 2^{sd} and 3^{sd} waves of CPs illustrated in orange, blue and red respectively.

Solvency II - Position after the 3 waves of CPs and QIS 5

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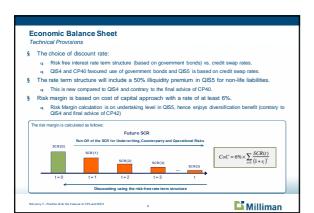






Economic Balance Sheet Technical Provisions Valuation of non-life insurance liabilities on a market-consistent basis: Technical Provisions are on a Marking-to-Model bases as insurance liabilities are illiquid. Marking-to-Model is based on future cash-flows: a Cash-flows should seestimated gross of amounts recoverable from reinsurance contracts a Cash-flows should account for the full fletime of existing insurance contracts and reflect policyholder behaviour and management actions a Companies need to consider all inflows (e.g. premiums and receivables) and outflows (i.e. claims payments, expenses ...) a Cash-flows for premiums provision and outstanding claims need to be estimated separately Marking-to-Model needs to consider: a replace unearmed premiums reserve by premiums provision. Premiums provision corresponds to the present value of future cash inflows and outflows related to the unexpired risk. Consequence: expected future profits or losses on unexpired risk are recognised in the economic balance sheet. a tack trenewals which have already taken place at the valuation date should be included in the calculation of the best estimate of the premiums provision. a expenses (allocated and unallocated) with be included in projected future cash-flows. Belinsurance recoverable is shown as asset. The valuation should follow the same principles as the gross claims provisions. Recoverable are exposed to counterparty default risk and do not require any risk margin.

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| Economic Balance Sheet | | | |
|---|--|---|--|
| § Own funds are classified in three tiers which are loss absorbency, sufficient duration, free from re fixed charges and absence of encumbrance. | | | |
| Nature Coality Chailence sheet (basic own funds) High Tart Tart Tart 2 Medium Tars 3 | h addition, capital tiering will have to satisfy the following requirements: q SCR Limits applicable • Tier1 items >= 50% • Tier3 items <= 15% q MCR Limits applicable • Tier1 items >= 80% • Tier3 items == 0 q Other Limits | | |
| Supervisory approval of own funds is principle be appropriate classification of the own fund item for undertaking is responsible for providing the relationship of the control of the | or which it seeks supervisory approval. The ted documentation. | | |
| sometry is restaurated to a sewer at CV services 19 | □ Milliman | J | |
| | | | |
| | | | |
| Economic Balance Sheet Points to note – Other topics | | | |

Future Premiums

Future premiums within the valuation of the Best Estimate for technical provisions is a very sensitive issue impacting directly the capital requirement:

Graph CP 30 clarifies cases where future premiums should be included in the valuation of the Best Estimate.

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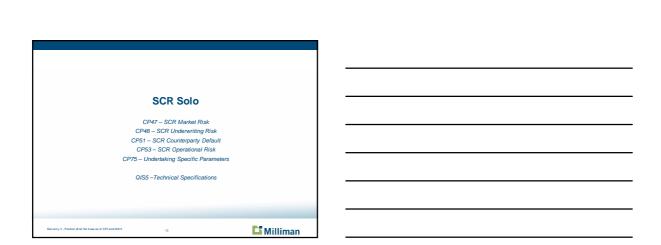
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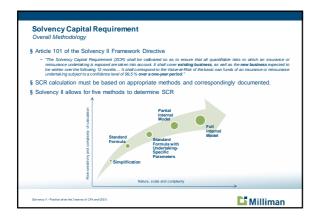
Graph CP 30 clarifies cases where future premiums are future premiums may lead to complex modelling issues (reinsurance contract with reinstatement premium is a standard simple example of an option).

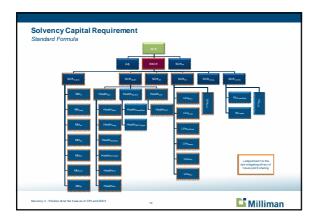
CP35 does not mention the possible tax deduction for the gross SCR.
 The other points relating to deferred taxes are of a lesser importance

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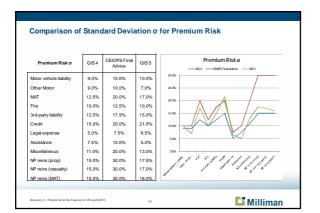




Solvency Capital Requirement Standard Formula 5 The standard formula for the SCR is a specified set of stress tests or factor based formulae that companies will have to apply to their assets and liabilities for the following risks: a Market a Non-file Underwriting a Life Underwriting a Health Underwriting a Counterparty Default a Intangibles a Operational 5 Standard formula uses correlation matrices to aggregate across the risks 5 The standard formula is calibrated to the whole EU market and may not be suitable for every single company.







| Reserve Risk σ | QIS4 | CEIOPS Final Advice | QIS 5 | Reserve Risk σ ——064 ——0655 Final Advice ——065 |
|-------------------------|-------|------------------------|-------|--|
| Motor vehicle liability | 12 0% | 12.5% | 9.5% | 30.0% CEDIS PRIM ADMICE COS |
| Other Motor | 7.0% | 12.5% | 10.0% | 25.0% |
| MAT | 10.0% | 17.5% | 14.0% | / |
| Fire | 10.0% | 15.0% | 11 0% | 20.0% |
| 3rd-party liability | 15.0% | 20.0% | 11 0% | 15.0% |
| Credit | 15.0% | 20.0% | 19.0% | 19.0% |
| Legal expense | 10.0% | 12.5% | 9.0% | 163% |
| Assistance | 10.0% | 15.0% | 11.0% | 5.0% |
| Miscellaneous | 10.0% | 20.0% | 15.0% | 0.0% |
| NP reins (prop) | 15.0% | 30.0% | 20.0% | And the second of the second o |
| NP reins (casualty) | 15.0% | 30.0% | 20.0% | The state of the s |
| NP reins (MAT) | 15.0% | 30.0% | 20.0% | _ ** |