

Slide 1

Sanwa International Plc

Marc Lore, Managing Director
Sanwa International
Founder and Executive Director, GARP
(Global Association of Risk Professionals)

Strategic Risk Management

Strategic Risk Vision Calculation of Economic Capital

Setting Performance Targets Managing Economic Capital

Allocating Economic Capital Measuring Performance

Risk Management Department

Sauwa International Plc

Strategic Risk Vision

- ▣ Increase Shareholder Value
- ▣ Instill Confidence in the Market Place
- ▣ Alleviate Regulatory Constraints
 - ▣ To Provide Senior Management with World Class Risk Management Tools

Risk Management Department

Sauwa International Plc

Definition of Economic Capital

- Covers all Risks
- Economic capital is the amount of capital that the firm has put at risk to cover potential unexpected losses under extreme market conditions.
- Capital, Economic Capital, Regulatory Capital



Risk Management Department

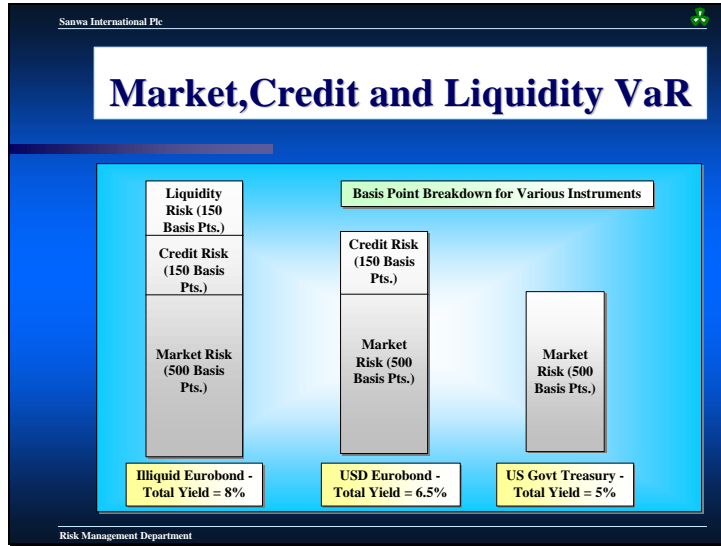
Sarwa International Plc

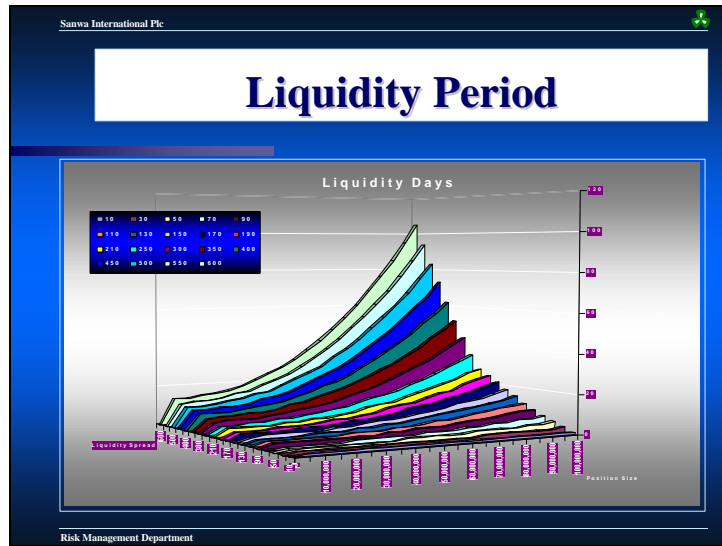
Allocation of Economic Capital

- Business Profitability
- Diversification Benefits of Business
- Franchise Value of Business



Risk Management Department





Sauwa International Plc

Counterparty Event Risk

- └ Loan Equivalent Exposure
- └ Ratings
- └ Default Probabilities
- └ Recovery Values



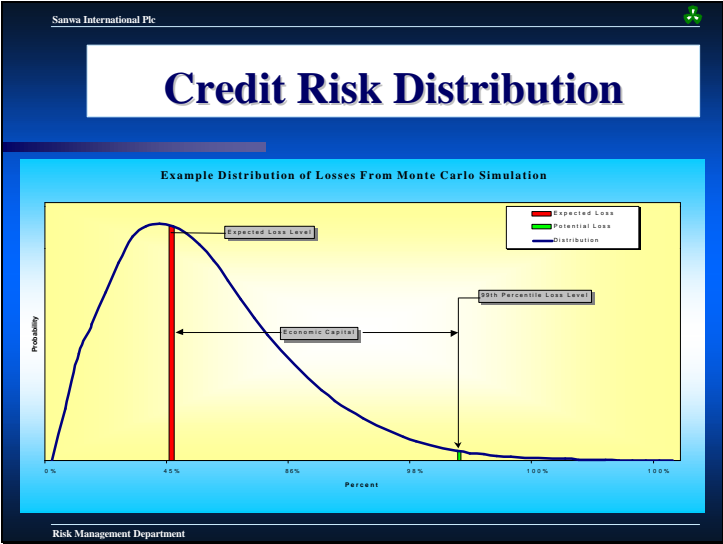
Risk Management Department

Sauwa International Plc

Cumulative Probability of Default

	1	2	3	4	5	6	7	8	9	10
AAA	.09	.26	.45	.69	.91	1.12	1.33	1.55	1.77	1.98
AA	.22	.40	.57	.74	.88	1.01	1.14	1.27	1.40	1.53
A	.46	.61	.74	.85	.94	1.01	1.07	1.12	1.16	1.19
BB	.66	.78	.86	.91	.94	.96	.97	.98	.98	.99
BB	.81	.89	.94	.96	.97	.98	.98	.98	.98	.98
B	.93	.96	.98	.99	.99	.99	.99	.99	.99	.99


Risk Management Department



Operational Risk Capital


- ┌ Audit Rating
- ┌ Transaction Volume
- ┌ Product Specific
- ┌ Subjective Factors

Risk Management Department

Sanwa International Plc 

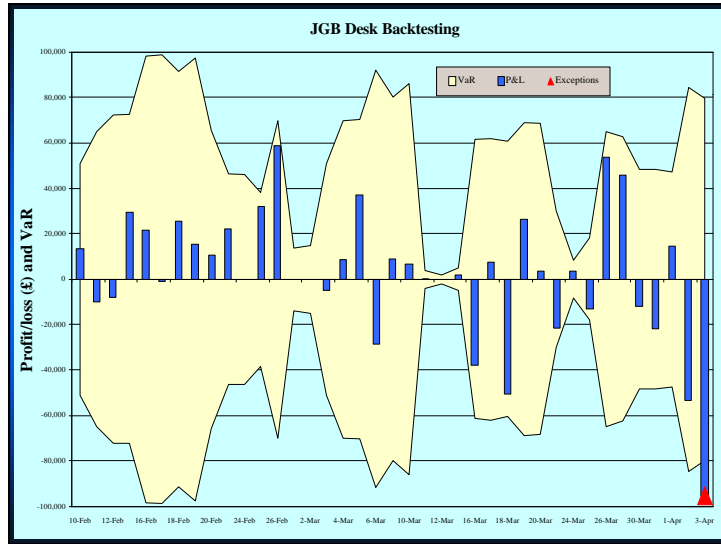
Back-Testing


- ▢ Testing Accuracy of VaR Model
- ▢ Evaluate Mark to Market
- ▢ Explanation of P/L



Risk Management Department


Slide 26



Sauwa International Plc 

Stress Testing / Scenario Analysis


- EMU
- Liquidity Crisis
- Asian Currency Crisis
- Breakdown in Parameters
 - Correlations
 - Default Probabilities



Sauwa International Plc

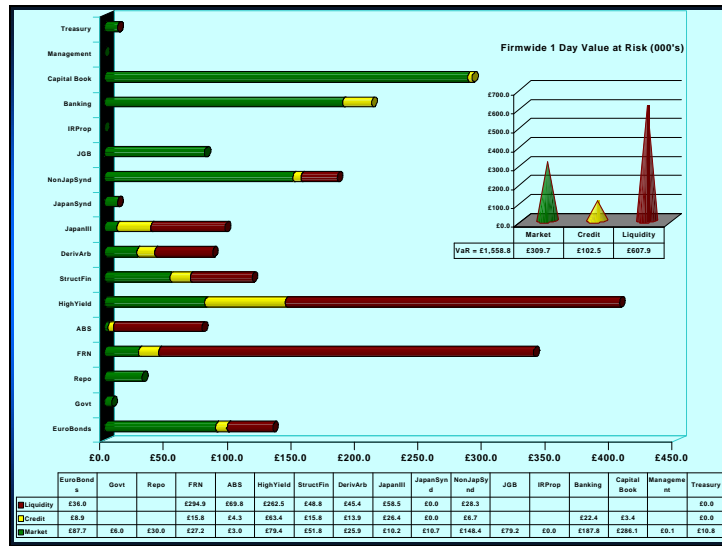
Limit Framework

- ▣ VaR Limits
 - Risk Type
 - Risk Factor
 - Higher Order
- ▣ Loss Limits
 - Mgmt. Alert
 - Stop-Loss
- ▣ Concentration Limits
 - Large Exposure
 - Counterparty
 - Country
 - Region

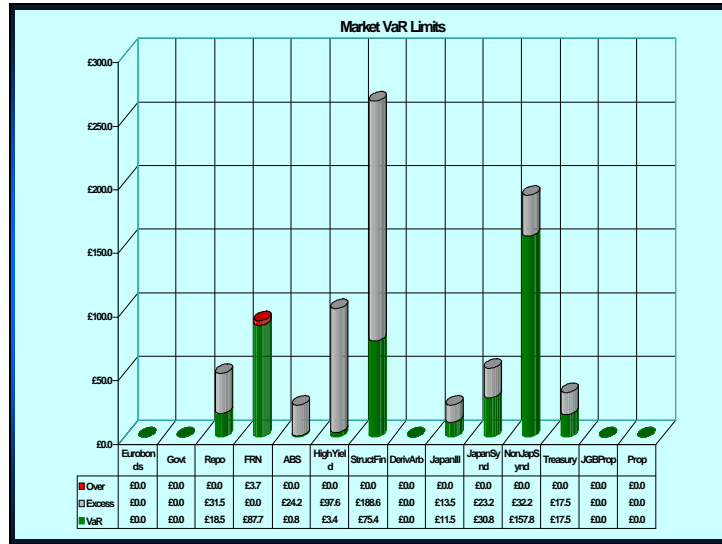


Risk Management Department

Slide 29




Slide 30



Sauwa International Plc

Advantages

- ▢ Dynamic
- ▢ Consistent
- ▢ Less Concentration Risk
- ▢ Transparent



Risk Management Department

Sauwa International Plc

Risk-Adjusted Performance

- ▣ Return on Economic Capital
- ▣ Charge for Under-Utilisation
- ▣ Activity Based Costing
- ▣ RAROC Based Bonuses



Risk Management Department



Slide 41

