



# 1. <u>COUNTERPARTY RISK: THE INVESTMENT OF SURPLUS</u> CASH

- Monitoring and evaluation of the banks through analysis of the annual reports outlining the risks associated with the investment of surplus cash with the big four banks. Through this analysis, determine counterparties to be approved as well as limits and ratios per counterparty.
- Monitor the adherence by the cash management directorate on the prescribed ratios and advice on any deviations and the impact thereof.



#### 2. SETTLEMENT RISK: EIGHT PRIMARY DEALERS

- Identify any possible risks that are likely to pose risks on the operations of the primary dealers and bring them to the attention of management for decision making in terms of the weekly auction allocations and in ensuring that they deliver on their obligations.
- Monitor the banks EDFs and advice on any likelihood of a default by a particular bank given its operations and the environment in which it operates.
- Monitor and observe any rating actions taken against a particular bank and its future impact on being part of the primary dealer panel.



#### 3. CONTINGENT LIABILITIES

#### 3.1. Explicit Guarantee Portfolio

- Assess the guarantee portfolio on an annual basis and highlight any possible and future challenges that pose risks to the quality of the overall guarantee portfolio.
- Give advice to the fiscal liabilities committee on a quarterly basis on the state of the contingent liabilities and alert the forum on any improvement or deterioration on the overall guarantee portfolio.
- Monitor our sustainability measure of net debt, provisions and contingent liabilities as a percentage of GDP against a limit of 50 per cent.



- Monitor the credit spreads of the guaranteed SOCs and report on a weekly basis outlining the rate at which it will cost the SOCs to raise debt on their respective bonds in the capital markets.
- Monitor the credit ratings assigned to the respective SOCs on a frequent basis and substantiate on the risks that are likely to impact on their future borrowings and advice on the actions that these entities need to implement in their operations.
- Monitor the SOCs debt composition and give highlights on whether it has deteriorated or improved.



#### 3. **CONTINGENT LIABILITIES (cont...)**

- 3.2 Implied Implicit Contingent Liabilities
  - UIF
  - RAF
  - Compensation Fund
  - SASRIA
  - ECIC.

#### 4. PUBLIC PRIVATE PARTNERSHIPS (PPPS)

 Analyse and report quarterly on the amount and quality of government's exposure to PPPs through analysis of probability of termination of respective contracts.



#### **RISK RATING METHODOLOGY**

- A risk rating methodology is applied to the different indicators for each SOC
- The ratings of are aggregated to determine a risk rating for each of the SOCs
- The ratings of the different SOCs are consolidated to determine a consolidated rating for the portfolio.



## **RISK RATING TABLE FOR BANKS**

Weight (%)	Scale	Consideration
20	1-10	Capital Adequacy
10	1-10	Return on Equity
10	1-10	Return on Asset
10	1-10	Debt/Assets
10	1-10	Efficiency Ratio (cost-to income) Market Position and Operational
10	1-10	Environment (JSE mkt cap)
		Management and Track Record
5	1-10	(government support: good)
10	1-10	Credit Rating
15	1-10	JSE Performance
100		Score
		Overall Rating
		Risk Class



## **RISK INDICATORS FOR SOCs**

Business Risks	Financial Risks
Industry Prospects	Profitability
- Operating Environment	- Cost to income ratio (DFIs)
- Regulatory Framework	- Net profit margin
	- EBITDA margin
Corporate Governance	Capital structure
- Adherence to PFMA	- Debt to assets
- Management Quality	- Debt to equity
Market Position	Cash flow adequacy
- Diversification	- Funds from operations/Debt
- Size	- Interest cover
	Liquidity ratios
	- Cash ratio
	- Quick ratio
	- Current ratio



## FINANCIAL RISK INDICATORS AND BENCHMARKS

	Risk Ratings	1	2	3	4	5	6	7	8	9	10
		Extremely	Very	Low	Moderate	Moderate	Moderate	Moderate	High	Very	Extremely
	Financial Risk Classifications	Low	Low		Low			High		High	High
Scale	Risk Descriptions	Excellent	Strong	Good	Fair	Acceptable	Marginal	Special Attention	Substandard	Doubtful	Known Loss
1-10	Net Profit Margin	>30	28-30	25-27	22-24	19-21	16-18	13-15	10-12	6-9	<6
	Operating profit margin	>50	46-50	41-45	36-40	31-35	26-30	21-25	16-20	11-15	<10
	' ' '	<10		20-29	30-40			60-69			>90
	Cost-to-income		10-19			40-49	50-59		70-79	80-89	
1-10	EBITDA Margin	>50	45-50	40-44	35-39	30-34	25-29	20-24	15-19	10-14	<10
	Capital Structure										
1-10	Debt ratio (Debt/Assets)	<10	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	>90
1-10	Gearing ratio (Debt/Equity)	<0.50	0.51-0.6	0.61-0.7	0.71-0.8	0.81-0.9	0.91-1	1.1-1.2	1.21-1.3	1.31-1.4	>1.4
	Cash Flow Adequacy										
1-10	Funds from operations/Total debt	>50	45-50	40-44	35-39	30-34	25-29	20-24	15-19	10-14	<10
1-10	Interest Cover	>2	1.8-1.9	1.7-1.79	1.6-1.69	1.5-1.59	1.4-1.49	1.3-1.39	1.2-1.29	1.1-1.19	<1
	Liquidity										
1-10	Cash ratio	>0.65	0.61-0.65	0.56-0.60	0.51-0.55	0.41-0.5	0.36-0.40	0.31-0.35	0.26-0.3	0.21-0.25	<0.21
1-10	Quick ratio	>1.8	1.61-1.8	1.41-1.6	1.21-1.4	1.01-1.2	0.81-1	0.61-0.8	0.41-0.6	0.21-0.4	<0.20
	Current Ratio	>3	2.8-3	2.4-2.7	2.1-2.3	1.8-2	1.5-1.7	1.2-1.4	0.9-1.1	0.5-0.8	<0.5
•		•				=			•••	3.5 3.5	•.•
1-10	Credit Rating	AAA	AA	Α	BBB	BB	В	CCC	CC	С	D



## **APPLICATION OF THE METHODOLOGY**

		credit rating	Credit Rating		Priority Methodology		
		· ·	Orcan ranny	Entity	Strategic	Risk	Ease of
		credit rating	credit rating	Fiscal Year	Importance	Priority	Measurement
Qualitative Analysis							
ndustry prospects	60	0.050933786	0.050547599	0	5	4	3
Corporate governance							
) adherence to the PFMA	100	0.084889643	0.084245998	0	5	5	4
i) Management quality	75	0.063667233	0.063184499	0	5	5	3
Market Position							
) diversification (in core business)	75	0.063667233	0.063184499	0	5	5	3
i) size (relative to the market)	60	0.050933786	0.050547599	0	5	4	3
Financial Risk Profile							
Profitability ratio (profit margin)	80	0.067911715	0.053917439	0	5	4	4
Operating income as % of business (sales)	100	0.084889643	0.105307498	0	5	4	5
cost to income	64	0.054329372	0.053917439	0	4	4	4
EBIT/sales	64	0.054329372	0.053917439	0	4	4	4
Capital structure							
Fotal debt/total debt + equity (debt/assets)	100	0.084889643	0.105307498	0	5	5	4
Debt to equity (gearing)	100	0.084889643	0.105307498	0	5	5	4
Cash flow adequacy ratios							
Funds from operations/total debt	100	0.084889643	0.105307498	0	5	5	4
debt service coverage ratio (interest cover)	100	0.084889643	0.105307498	0	5	5	4
Credit rating	100	0.084889643		0	5	4	5
otal with credit rating	1178	1					
otal without credit rating	1078		1				
veighted risk rating							
Exposure in millions							
proportional exposure							
veighted risk rating in proportion to exposure							



### **MEASURE**

□ The Expected Default Frequency (EDF) of an entity is a measure of an entity's probability of default at a given time.

			1-Year		5-Year			
Expected Default Frequency (EDF)			1.07%		6.31%			
Bond Default Rate Mapping			Ba1.edf		Ba2.edf	Ba2.edf		
Percentile			46.96% 48.25%					
FDF	1-Vear	2	Vear	3-Vear	4-Vear	5-Vear		

EDF	1-Year	2-Year	3-Year	4-Year	5-Year
Cumulative	1.07%	2.31%	3.62%	4.95%	6.31%
Forward	1.07%	1.25%	1.33%	1.39%	1.43%
Annualized	1.07%	1.16%	1.22%	1.26%	1.30%

Source: Moody's KMV



## **THANK YOU**

