



















RANK FOR INTERNATIONAL SETTLEMENTS

S. No.	Issuer	Ticker	Industry	lssuer rating	Nominal USD mm	Dirty price	Maturity	Coupon	KMV's EDF (bp)
1	Health Care Reit	HCN	INR	Ba1	20.0	99.91	15.Aug.07	7.500%	3
2	Hilton Hotels	HLT	CCL	Ba1	20.0	104.13	15.May.08	7.625%	29
3	Apple Computer	AAPL	COT	Ba2	20.0	100.97	15.Feb.04	6.500%	144
4	Delta Air Lines	DAL	TRA	Ba3	20.0	99.42	15.Dec.09	7.900%	14
5	Alcoa Inc	AA	BAC	A1	20.0	105.24	01.Jun.06	5.875%	21
6	ABN Amro Bank	AAB	BNK	Aa3	20.0	109.18	31.May.05	7.250%	10
7	Abbey Natl Plc	ABBEY	BNK	Aa3	20.0	108.43	17.Nov.05	6.690%	33
8	Alliance Capital	AC	FIN	A2	20.0	100.29	15.Aug.06	5.625%	15
9	Aegon Nv	AGN	INR	A1	20.0	110.42	15.Aug.06	8.000%	10
10	Abbott Labs	ABT	CNC	Aa3	20.0	104.54	01.Jul.06	5.625%	7
11	Caterpillar Inc	CAT	BAC	A2	20.0	105.98	01.May.06	5.950%	24
12	Coca Cola Enter	CCE	CNC	A2	20.0	102.04	15.Aug.06	5.375%	88
13	Countrywide Home	CCR	FIN	A3	20.0	101.25	01.Aug.06	5.500%	149
14	Colgate-Palm Co	CL	CNC	Aa3	20.0	101.43	29.Apr.05	3.980%	4
15	Hershey Foods Co	HSY	CNC	A1	20.0	105.61	01.Oct.05	6.700%	2
16	IBM Corp	IBM	COT	A1	20.0	99.66	01.Oct.06	4.875%	26
17	Johnson Controls	JCI	COT	A3	20.0	100.30	15.Nov.06	5.000%	24
18	JP Morgan Chase	JPM	BNK	Aa3	20.0	108.62	01.Jun.05	7.000%	42
19	Bank One NA ILL	ONE	BNK	Aa3	20.0	101.50	26.Mar.07	5.500%	19
20	Oracle Corp	ORCL	COT	A3	20.0	105.33	15.Feb.07	6.910%	58
21	Pub Svc EL & Gas	PEG	UTL	A3	20.0	104.94	01.Mar.06	6.750%	39
22	Procter & Gamble	PG	CNC	Aa3	20.0	101.76	30.Apr.05	4.000%	4
23	PNC Bank NA	PNC	BNK	A3	20.0	102.26	01.Aug.06	5.750%	24

23-bond portfolio as on 24 April 2002





iputing loss correla	ation under m	nigration n
Portfolio credit risk meas	ures under migration	on mode based
on simulate	ed loss distribution	
Description	Amount (million)	Relative to portfolio size
Expected loss	\$ 1.626	34.1 bp
Unexpected loss	\$ 4.238	88.9 bp
CrVaR at 90% confidence	\$ 4.905	102.9 bp







$$\int_{V} \exp \left(2\pi x \cos \frac{1}{2\pi x \cos 2\pi x$$



Credit risk using Student t distribution					
Portfolio credit risk measures under migration mode based on simulated loss distribution					
Description	Amount (million)	Relative to portfolio siz			
Expected loss	\$ 1.621	34.0 bp			
Unexpected loss	\$ 5.009	105.1 bp			
CrVaR at 90% confidence	\$ 4.602	96.6 bp			
ESR at 90% confidence	\$ 12.211	256.2 bp			







Credit risk measures Credit risk measures under migration mode and multivariate t-distribution for asset returns						
%EL	27.1 bp	34.0 bp	-7.0 bp			
%UL	123.4 bp	105.6 bp	86.8 bp			
%CrVaR _{90%}	79.5 bp	96.6 bp	33.8 bp			
%ESB	252 6 bp	256.2 bp	112.5 bp			

