

















Simulated Company – 1000 Simulations											
		LOB 1	LOB 2	LOB 3	ΤΟΤΑ	4					
	Log N Mu	13.796	13.691	13.316							
	Log N Sigma (~CV)	20.0%	50.0%	100.0%							
	Actual CV	20.2%	53.3%	131.1%							
	Skew	61.4%	175.0%	618.5%							
	Expected Loss	1,000,000	1,000,000	1,000,000	3,000,00	o					
	Simulated	1,009,960	992,037	988,584	2,990,58	1					
	Correlation with Total	17%	34%	91%	100%	6					
Capital = 18,000,000 \approx 2.5 TVaR ₉₅ \approx 3 TVaR ₉₀											
rarget underwriting profit = 10% of Capital = 1,800,000											
After tax this is maybe 6.5% and investment income taxed down to be in insurance company, so maybe reasonable											
Α	Agg mean 2,990,581										
S	Stdev 1,358,875										
С	CV 45.4%										
S	kew 318.	9%									
Skew if lognormal 145.7%											
© 2009 Oliver Wyman II www.oliverwyman.com Document number 9											







Allocation and Load											
	<u>Total</u>	<u>LOB 1</u>	<u>LOB 2</u>	<u>LOB 3</u>							
Capital	18,000,000	278,954	307,078	17,413,968	Esscher						
	18,000,000	304,445	1,299,012	16,396,543	Wang T5						
	18,000,000	390,663	1,892,154	15,717,183	Wang Normal						
Expected profit	1,800,000	27,895	30,708	1,741,397	Esscher						
	1,800,000	30,444	129,901	1,639,654	Wang T5						
	1,800,000	39,066	189,215	1,571,718	Wang Normal						
Price	4,790,581	1,037,856	1,022,745	2,729,980	Esscher						
	4,790,581	1,040,405	1,121,939	2,628,238	Wang T5						
	4,790,581	1,049,026	1,181,253	2,560,302	Wang Normal						
Lood	<u> </u>	0.00/	2.40/	470.00/	Freehow						
Load	60.2%	2.8%	3.1%	176.2%	Esscher						
	60.2%	3.0%	13.1%	165.9%	Wang 15						
	60.2%	3.9%	19.1%	159.0%	Wang Normal						
© 2009 Oliver Wyman www.oliverwyman.com					Document number 13						