THRIFT INDUSTRY Interest Rate Risk Measures

Office of Thrift Supervision

Risk Modeling and Analysis Division

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First Quarter 2008



The attached tables present the final industry statistics for several measures of interest rate risk (IRR): the Pre-Shock Net Portfolio Value (NPV) Ratio, the Interest Rate Sensitivity Measure, the Post-Shock NPV Ratio, and the Change in NPV Ratio. These measures are defined in footnotes found in the tables. These tables can be used to assess an institution's level of IRR relative to the industry.

For example, an institution can find its approximate Pre-Shock NPV Ratio ranking by referring to TABLE 1 on the following page. Assume XYZ Savings has a Pre-Shock NPV Ratio of 18%. In the last column of the table, locate the first value that is larger than XYZ's Pre-Shock NPV Ratio. For XYZ Savings, this corresponds to the ninth row of the table.

The first column of the ninth row present XYZ's overall Pre-Shock ranking: XYZ's Pre-Shock NPV Ratio places this institution in the fourth quintile of the industry. The second column shows an institution's rank with greater precision. XYZ's Pre-Shock NPV Ratio is better than approximately 80 percent of the industry for the current quarter.

The Preliminary Interest Rate Risk Measures report for the June, 2008 cycle will be available on the OTS Web page at http://www.ots.treas.gov/StatisticalReleases by August 19, 2008.

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TABLE 1: Pre-Shock NPV Ratio*as of 3/31/2008						
Quintile		Percent of Industry	*Pre-Shock NPV Ratio			
Ē	1st	10	8.4			
WORST		15	9.1			
Б		20	9.6			
≥	2nd	30	10.7			
1		40	11.3			
	3rd	50	12.4			
		60	13.8			
+	4th	70	15.5			
BEST		80	17.9			
ű	5th	85	19.6			
ш		90	22.0			

* The Pre-Shock NPV Ratio is defined as the base-case (pre-shock) NPV divided by the present value of assets in the base-case.

TABLE 2: Interest Rate Sensitivity Measure* as of 3/31/2008 Quintile Percent of *Sensitivity Industry Measure 1st 10 262 WORST 15 234 20 206 2nd 30 171 40 138 3rd 50 110 60 81 4th 58 70 80 44 ŝ 5th 85 34 £ 90 25

* The Interest Rate Sensitivity Measure is defined as the decline (in basis points) in the NPV ratio caused by a +200 bp increase or -100 bp decrease in rates, whichever produces the larger decline.

TABLE 3: Post-Shock NPV Ratio*as of 3/31/2008

Quintile		Percent of Industry	*Post-Shock NPV Ratio
ъ	1st	10	7.1
BEST - WORST		15	7.8
		20	8.5
	2nd	30	9.4
		40	10.2
	3rd	50	11.3
		60	12.4
	4th	70	13.9
		80	16.4
	5th	85	17.8
8		90	20.2

* The Post-Shock NPV Ratio is defined as the Net Portfolio Value (NPV) ratio after a +200 bp increase or -100 bp decrease in rates, whichever produces the smaller ratio.

TABLE 4: NPV Ratio* by Interest Rate Scenario as of 3/31/2008					
	Quintile	Percent of Industry	-100 bp	PV Ratio +200 bp ss Than:	
	1st	10	8.3	7.3	
		15	9.1	8.0	
		20	9.7	8.6	
	2nd	30	10.6	9.6	
		40	11.5	10.5	
	3rd	50	12.4	11.5	
		60	13.9	12.6	
BEST +	4th	70	15.8	14.4	
		80	18.1	16.4	
	5th	85	19.7	18.1	
8		90	22.2	20.5	

* The NPV ratio for any interest rate scenario is defined as the NPV in that rate scenario divided by the present value of assets in the same rate scenario.

TABLE 5: Change in NPV Ratio* by Interest Rate as of 3/31/2008

	Quintile	Percent of Industry	-100 bp	n NPV Ratio +200 bp Than:
Ē	1st	10	-51	-280
■ WORST		15	-37	-241
		20	-27	-209
	2nd	30	-12	-172
		40	0	-138
	3rd	50	8	-108
		60	18	-75
ŧ	4th	70	30	-45
F		80	46	-8
EST	5th	85	54	12
£		90	68	37

^{*} The Change in NPV ratio is defined as the change (in basis points) in the NPV ratio caused by an interest rate shock of either -100 bp or +200 bp.

Note: The NPV ratio for any interest rate scenario is defined as the NPV in that rate scenario divided by the present value of assets in the same rate scenario. An institution's NPV is equal to the estimated present value of assets minus the present value of liabilities plus the net present value of off-balance sheet contracts. These results are based on 770 OTS-regulated institutions for which the Mar 2008 Interest Rate Risk Exposure Reports are available.

Prepared by the Risk Modeling and Analysis Division, OTS, Washington, D.C., 6/25/2008.