



FINAL

Thrift Industry Interest Rate Risk Measures Second Quarter 1999

Release Date:
September 20, 1999

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

An institution can find its approximate **Post-Shock NPV Ratio** ranking by referring to Table 1. Assume XYZ Savings has a Post-Shock NPV Ratio of 6.3%. In the last column of the table, locate the first value that is larger than XYZ's post-shock ratio. For XYZ Savings, this corresponds to the second row of the table.

The first column of this row contains XYZ's overall ranking: XYZ's post-shock ratio places this institution in the first quintile (the worst 20%) of the industry. The second column shows an institution's rank with greater precision. XYZ's post-shock ratio is actually among the bottom (worst) 15% of the industry.

This issue of the *Interest Rate Risk Measures* is available on the OTS Web page at <http://ots.treas.gov/docs/16920.pdf>. The preliminary measures for September will be available on the OTS Web page by November 21, 1999 (at <http://ots.treas.gov/docs/16931.pdf>).

Note: The IRR Measures are no longer available on the OTS PubliFax system. All documents previously available on PubliFax will be provided through the OTS Web site. We will continue to use the PubliFax document numbering convention. If you have any questions or comments, please call the Dissemination Branch at (202) 906-5900, or e-mail them at public.info@ots.treas.gov.

**Table 1
Post-Shock NPV Ratio*
As of June 30, 1999**

Quintile	Percent of Industry	Post-Shock NPV Ratio Less Than:
1st	10	5.7 %
	15	6.5
	20	7.0
2nd	30	8.0
	40	9.0
3rd	50	9.8
	60	10.8
4th	70	12.0
	80	14.1
5th	85	15.7
	90	17.6

* The Post-Shock NPV Ratio is defined as the Net Portfolio Value (NPV) ratio after a 200 basis point increase or decrease in rates, which ever produces the smaller ratio.

**Table 2
Interest Rate Sensitivity Measure*
As of June 30, 1999**

Quintile	Percent of Industry	Sensitivity Measure Greater Than:
1st	10	373 bp
	15	335
	20	311
2nd	30	258
	40	221
3rd	50	183
	60	149
4th	70	115
	80	79
5th	85	62
	90	45

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

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.

Based on 1,023 OTS-regulated institutions for which the June 1999 Interest Rate Risk Exposure Reports are available.

Prepared by the Risk Management Division, OTS, Washington, D.C., September 17, 1999.

Table 3
Pre-Shock NPV Ratio*
As of June 30, 1999

Quintile	Percent of Industry	Pre-Shock NPV Ratio Less Than:
1st	10	8.3 %
	15	8.7
	20	9.1
2nd	30	9.9
	40	10.8
3rd	50	11.6
	60	12.6
4th	70	14.0
	80	16.0
5th	85	17.4
	90	19.7

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

Table 4
NPV Ratio by Interest Rate Scenario*
As of June 30, 1999

Quintile	Percent of Industry	NPV Ratio*	
		-200bp	+200bp
		Less Than:	
1st	10	8.7 %	5.8 %
	15	9.2	6.5
	20	9.6	7.1
2nd	30	10.6	8.2
	40	11.4	9.1
3rd	50	12.2	10.0
	60	13.6	11.1
4th	70	15.0	12.2
	80	17.1	14.4
5th	85	18.5	16.0
	90	20.8	17.9

* 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.

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.

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Table 5
Change in NPV Ratio by Interest Rate Scenario*
As of June 30, 1999

Quintile	Percent of Industry	Change in NPV Ratio*	
		-200bp	+200bp
		Less Than:	
1st	10	-51 bp	-369 bp
	15	-29	-333
	20	-12	-307
2nd	30	21	-257
	40	53	-218
3rd	50	77	-179
	60	103	-139
4th	70	133	-96
	80	167	-55
5th	85	189	-26
	90	221	3

* 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 -200 or +200 basis points.

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.

Based on 1,023 OTS-regulated institutions for which the June 1999 Interest Rate Risk Exposure Reports are available.

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