Yale University

EliScholar - A Digital Platform for Scholarly Publishing at Yale

YPFS Documents

Browse by Media Type

3-28-2007

Citi Global Securitized Market Global Business Review Focus on Non Agency Subprime

Citigroup, Inc.

Follow this and additional works at: https://elischolar.library.yale.edu/ypfs-documents

Recommended Citation

Citigroup, Inc., "Citi Global Securitized Market Global Business Review Focus on Non Agency Subprime" (2007). YPFS Documents. 5425.

https://elischolar.library.yale.edu/ypfs-documents/5425

This Document is brought to you for free and open access by the Browse by Media Type at EliScholar – A Digital Platform for Scholarly Publishing at Yale. It has been accepted for inclusion in YPFS Documents by an authorized administrator of EliScholar – A Digital Platform for Scholarly Publishing at Yale. For more information, please contact elischolar@yale.edu.





Global Securitized Markets - Global Business Introduction

Focus on Non Agency / Subprime

Global Securifized Markets Overview

- Global Securitized Markets (GSM) is a division of FICC with nearly 400 employees that provides:
- Origination
- Structuring
- Financing and
- Risk management

of residential and commercial real estate and all types of consumer

(Global Securitized Products), and commercial real estate (Global Real mortgages (Non Agency), consumer and other non-mortgage assets GSM is divided into three product areas - non-agency residential assets, around the globe Estate)

Mements of GSM

What are our products?

- Mortgage Whole Loans
- Non Agency Collateralized Mortgage Obligations (CMOs) and Mortgage Derivatives
- Adjustable Rate Mortgages (ARMs) and Hybrids
- Asset Backed Securities (ABSs)
- Commercial Mortgage Backed Securities (CMBSs)
- Other mortgage and asset-backed financing products
- Warehousing

What customers do we interact with?

- Mortgage Originators
- Financial Sponsors
- Consumer Asset Originators
- Financial Institutions
- Money Managers
- Hedge Funds
- Pension Funds

How do we make money?

- Trading bid/offer spread, low margin, high volume, flow business
- Structuring Solutions creating products to meet customers' specific financing needs from origination through disposition
 - Securitization warehousing, financing, issuance, and distribution of securities backed by a range of asset classes
- Bridges/warehouses to securitization and distribution
- Principal risk taking
- Equity investing alongside customers

What differentiates us from our competitors?

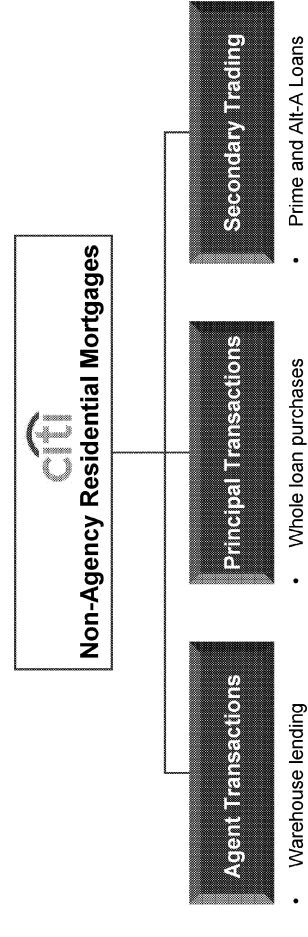
- Focused approach to serving customer needs across a wide range of products, globally
 - Ability to act as agent, advisor, finance provider, and principal, as the client requires
- Deep and global distribution franchise
- Ability to price market and credit risk better than our competitors and to take and distribute large risks
- Not viewed as competition with our clients, but as strategic partners

GSW Financials - Historical

	***************************************	2000 EV 5555		
(\$ Millions)	2006 FY	7302	2005 FY	2004 FY
GSM Net Revenue	1,281	Š	1,027	928
Direct Expense	105	%%	112	86
Allocations	150	% % %	114	66
Total Expense	255	*** %	226	196
Pre Tax Pre Bonus	1,026		800	761
Total IC*	207	24%	167	141
Total Expense Incl. IC	462	%. %.	393	338
Margin	819	%8% 78%	633	620
Total Cost/Recovery of Credit	(0)	Z	(32)	28
EBIT	819		999	533
Net Income (35% Tax Rate)	533		432	347
Return on GAAP Capital	20%	%)	26%	32%
Return on RAP Capital	24%	 20.	35%	32%
Return on Economic Capital	82%	47%	%59	65%
Net Income/Revenue	42%		42%	36%
PTPB/Headcount	2.74	23%	2.24	2.27
Headcount	374	4%	358	335

*Total IC includes direct GSM IC as well as allocated FI Admin and Sales IC 2006 FI Admin and Sales IC is unavailable, 2005 numbers have been used

Non Agency Trading & Finance



- Prime and Alt-A securitizations
- HEQ securitizations, including NIMS
- institutions securitizations iquidity, enhanced Bank and financial (regulatory capital, advance rate)
- and securitization
- HEQ whole loan purchases and securitizations
- rights to acquire rights to Purchasing residuals/call collapse seasoned ransactions
- Seasoned Home Equity Loans (SHEL)

- and Bonds
- HEQ
- **Distressed**
- and index credit default hedging in single name Synthetics, including, market making and swaps

Structural & Cyclical Changes are Impacting the Mortgage Industry

Forces of Change





- Increased participation among both traditional and new investors, but few sellers at expected distressed levels
- Increased investment by private funds in platforms
- Increased (hybrid) ARM originations
- Spike in subprime defaults
- Increased legislative/regulatory oversight
- Affordability products (IO, Option ARMs) under the microscope
- Falling home price appreciation
- Fall in the rate of conforming mortgage originations
- Potential material opportunities / dislocations in non performing and subperforming
- Flat yield curve; irrational competition in certain sectors, especially in sub-prime
- Industry faced with significantly less production in the face of tightening credit



Mortgage Sector Product Comparison

	Jumpo / Plume	AlteA	SMADAMINE
Average Balance	\$417k to \$15m	\$175 to \$417k	\$150 to \$250k
Conbon	5.75 to 6.25%	6.50 to 7.25%	8.00 to 9.00%
Margin to Prime	25 to 50bps	50 to 100bps	200 to 300bps
FICO	>700	680 to 720	600 - 625
VTJ	65 to 75%	75 to 85%	80 to 90%
Owner Occ %	75 to 85%	60 to 80%	85 to 95%
Original Term (Max)	30yrs	30yrs	30yrs
WAL	3 to 5yrs	3 to 5yrs	2 to 4yrs*
Cumulative Defaults	0.50 to 1.50%	1.50 to 3.00%	8.00 to 15.00%
Cumulative Losses	0.25 to 0.50%	Cumulative Losses 0.25 to 0.50% 0.75 to 1.50% 4.00 to 7.50%	4.00 to 7.50%

^{*} Industry moving away from shorter reset arm product for non-prime.

Non Agency Strategy

- In a market where margins have compressed, overall mortgage issuance has slowed, and the focus is on credit trading, to preserve and enhance access to supply and excel in managing risk across the credit spectrum Non Agency mortgage trading and financing revenues we must secure We are executing on our strategy to:
- Gain additional access to mortgage origination, both flow and bulk, to enable Citigroup to grow its whole loan purchase business significantly and hold share against commoditization
- Gain additional access to mortgage securitization opportunities I
- Gain additional access to underperforming and non-performing mortgage
- Position securitization residuals and other lower-tier credit tranches
- Enhance Citigroup's investment in residuals and under- / non-performing assets by controlling the servicing of the related loans
- Hedge and position synthetically through Credit Default Swaps (CDS), and
- Continue to build distribution for credit and other structured products

Non Agency Performance and Outlook

- The Non Agency sector of Securitized Markets is ahead of plan, with the business well positioned to assist customers and seize opportunities in the subprime space. Markets' and FICC's overall exposure. The FICC Securitized Markets business is Credit losses Q107 in the subprime sector were minimal, due to successful risk management, and subprime exposure is modest as a proportion of Securitized highly diversified, covering also consumer assets and commercial real estate, across the globe.
- counterparties and asset values), hedging and market making in credit default and strict underwriting guidelines, very active management of purchases and inventory Securitized Markets' Non Agency sector risk management approaches include index swaps, efficient disposition, and proprietary default recovery strategies. across the asset life cycle, strict monitoring of warehousing facilities (both of
- We are very excited about the our recently announced financing and acquisition option agreement for Ameriquest's wholesale origination and servicing, which advances our strategy to grow our Non Agency platform.
- support liquidity in the residential mortgage sector and profit from opportunities period of revaluation, spread widening and volatility, just as we stand ready to We are ready to serve our clients as they manage their portfolios through this opened up by market developments.

Non Agency Minancials

strong cost discipline and targeted investment in process and systems: Non Agency is ahead of plan for both revenues and net income, with

(\$ Millions)	2007 Mar YTD Fcst**	2007 Mar YTD Budget	2007 FY Budget
Non Agency Revenue	7.0	63	252
Pre Tax Pre Bonus	56	77	191
Net Income (35% Tax Rate)	30	24	26
8			

** YTD Fcst consists of January and February actuals and March estimate

Subprime Narchouse Line Exposure

Non Agency's subprime exposure is well managed, and not material to FICC or Citigroup:

Subprime Warehouse Line Exposure

2007 H/(L) 2006	Citi Advance (\$)	2,241	(431)	(341)	1,470
2007 H	UPB	2,357	(443)	(320)	1,594
1/2006	Citi Advance (\$)	190	431	1,182	1,803
As of 12/31/2006	UPB	194	443	1,192	1,830
3/19/2007	Citi Advance (\$)	2,431	•	841	3,273
As of 3/19	UPB	2,552	ı	872	3,424
(\$ Millions)	Client	Ameriquest	New Century	All Other	Total Notes

<u>3</u>@

(A) 2.3 billion of the increase relates to the ACC strategic partnership. (B) Line closed in March 2007.

Subprime Trading Exposure

(\$ Millions)	As	As of 2/28/2007		As	As of 12/31/2006	9(20	2007 H/(L) 2006	
	Balance	Loan	Mkt Value	Balance	Loan	Mkt Value	Balance	Loan	Mkt Value
Whole Loans									
Accredited	48	260	50	852	4,533	867	(805)	(4,273)	(817)
Ameriquest	231	066	61	4,176	19,477	4,200	(3,945)	(18,487)	(4,139)
Centex	0	4	0	ı		ı	0	4	0
CitiMortgage	81	384	8	1	1	I	28	384	8
First Horizon	40	254	40		1	1	40	254	4
Lime Financial	2	41	7	7	37	ო	(2)	(23)	Đ
Mandalay	0	2	_	0	7	~	0	1	0
Master Financial	5	13	4	12	52	10	6	(38)	(2)
Meritage	4	48	4	ı		ı	4	4	4
Mortgage IT	5	30	9	0	_	0	2	29	9
National City	~	7	_	ស	38	4	4	(31)	0
New Century	~	4	_	4	13	0	ලි	6)	~
Opteum	9	77	Ŋ	615	2,249	623	(609)	(2,228)	(618)
Option One	2	တ	_	19	337	7	(17)	(328)	(10)
Quick Loan	10	56	တ	9	18	9	ო	80	7
Wells Fargo	~	12	~	449	3,054	458	(447)	(3,042)	(457)
Total Whole Loans*	s* 436	2,048	268	6,146	29,811	6,182	(5,710)	(27,763)	(5,914)
Subprime Bonds	S.								
Residuals/NIMs**			910			630			280
Other Bonds			1485			585			006
Total Bonds*			2,395			1,215	1	1	1,180
-			630 6			1,001			(A 77.4)
l ota i			7,003			/RC'/			₹ ₹.

^{*} As of 3/27/07 approximate subprime loans owned is \$3.6bn, residuals/NIMs are at \$848mm **Roughly 50% of each residual/NIM amount is investment grade

Subprise States

Eliminated risk, managed risk:

- Sold risk and hedged risk New Century exit, CDS positioning and trading are examples
- 1Q markdowns in the book are a function of changed yield and default assumptions, and are not realized losses
- Subprime and residual risk non-material to FICC or Citigroup
- Increase in residuals is result of recent securitizations

Non Agency's strategic plan correctly anticipated market developments, and we are continuing successfully to pursue it:

- Vertical integration
- Special servicing
- Continued opportunistic acquisition of portfolios

Appendix

GSM Overview

- Global Staff
- Organization
- 2007 YTD Financials

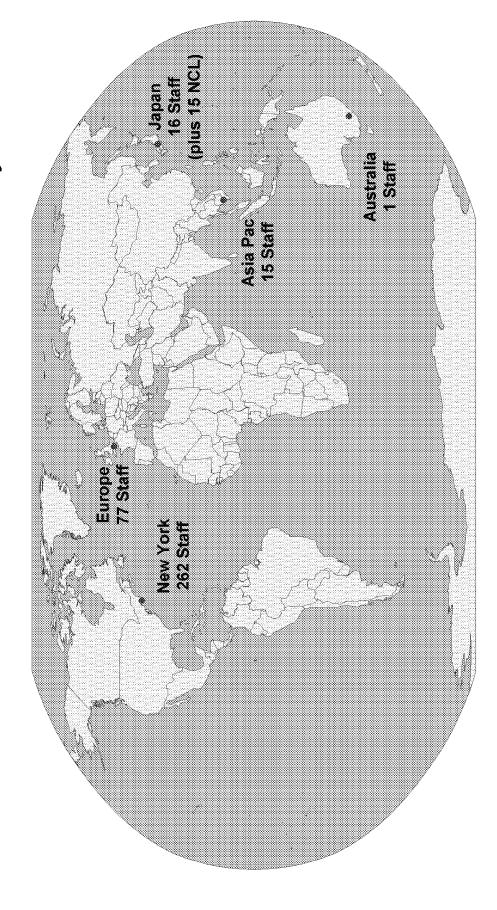
Non Agency Overview

- Product Types
- Historical Financials
- 2007 YTD Financials
- Revenue by Sector
- Securitization League Table 2006/2005
- Securitization League Table 2007 YTD
- Recent Non Agency Spread Movement

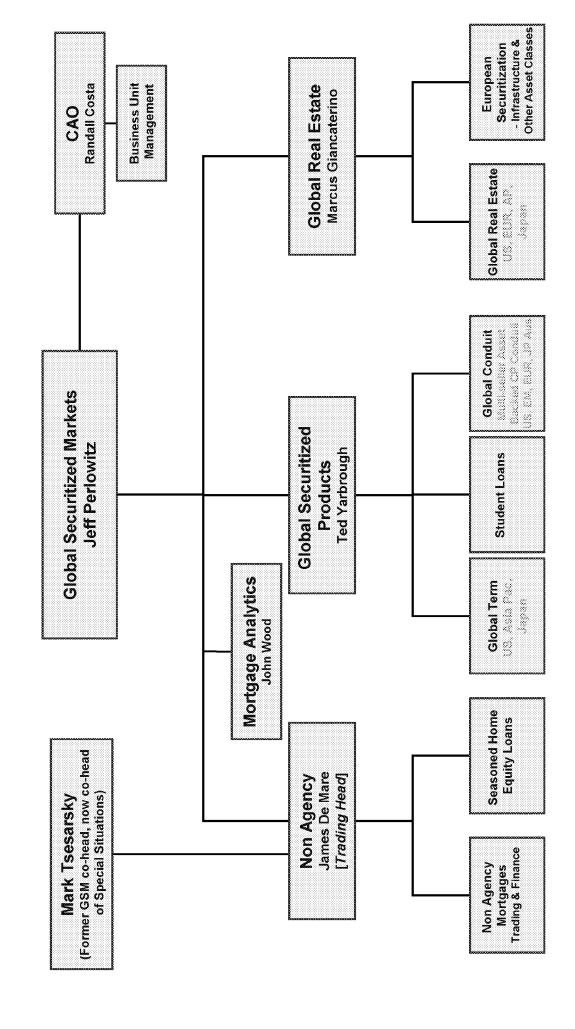
Global Securifized Markets Overview

GSIN Global Staff

371 Staff located around the world as of February 2007



Global Securifized Markets Organizational Structure



GSM Financials - 2007 YTD

	2007 Mar	YTOFC	2007 Mar	2007 FY
(\$ Millions)	YTD Fcst**		YTD Budget	Budget
GSM Net Revenue	287	98 F	330	1,292
Direct Expense	30	%/1>	36	133
Allocations	88	%/.	35	142
Total Expense	29	Š	71	275
Pre Tax Pre Bonus	219	\$	259	1,017
Total IC*	52	%	52	207
Total Expense Incl. IC	119	×.	123	482
Margin	168	Ž Š	207	810
Total Cost/Recovery of Credit	I	స్ట	I	1
EBIT	168	å.	207	810
Net Income (35% Tax Rate)	109	i.	135	527
Return on GAAP Capital	14%	-3%	17%	17%
Return on RAP Capital	20%	%\$°	24%	24%
Return on Economic Capital	93%	-15%	48%	%9/
Net Income/Revenue	38%	%%	41%	41%
PTPB/Headcount	2.34	%	2.62	က
Headcount	375	%\$-	396 396 396	396

^{*} Total IC is an estimate based on prior years and includes direct GSM IC as well as allocated FI Admin and Sales IC

^{**} YTD Fcst consists of January and February actuals and March estimate

Non-Agency Overview

Non Agency Product Types

- have developed over time in order to more clearly define borrower quality and satisfy borrower Non Agency residential mortgages cover a wide range of mortgage products. Niche products needs. The following is a list of Non Agency product types:
- Prime Mortgage Loans Mortgage loans that conform to FNMA/FHLMC underwriting guidelines but exceed agency balances
- Alternative-A Mortgage Loans Mortgage loans that do not conform to FNMA/FHLMC underwriting I
- May exceed allowable debt to income ratios
- May not provide full verification of income, assets, employment or down payment
 - May or may not exceed FNMA/ FHLMC balance limits
- Sub-Prime/Non-Prime Mortgage Loans Mortgage loans where the mortgagor's credit score is lower than a typical Prime or Alt-A mortgage (FICO score, on average, below 620)
- Mortgage loans where the payment history of the borrower has previously been or currently is impaired. Sub-Performing / Non-Performing Mortgage Loans (Seasoned Home Equity Loans - SHEL) – I
- Home Equity Lines of Credit A method of borrowing in which a homeowner may borrow against the equity as needed. This mortgage product differs from a standard mortgage loan in that the borrowing may be done over a period of time, preventing excess borrowing and limiting interest costs. ī
- Closed-End Second Liens A second mortgage lien is junior, or subordinate, to the first mortgage lien. In other words, the lien holder of the second mortgage is second in line to be repaid in case of default. Ī
- may exceed the property value. These loans are typically offered to high credit borrowers where the risk High Loan-to-Value Mortgage Loans - Mortgage loans where the loan amount approaches or even ı

Non Agency Historical Financials

(\$ Millions)	2006 FY	2008 FY H/(L)	2005 FY	2004 FY
GSM Net Revenue	246		202	224
Direct Expense	20	-33%	29	26
Allocations	30	%%*	29	22
Total Expense	20	%\$\$.	28	48
Pre Tax Pre Bonus	196	200	144	176
Total IC*	42	27%	33	31
Total Expense Incl. IC	92	% %	91	62
Margin	154	% % %	110	145
Total Cost/Recovery of Credit	I	%0	I	ı
EBIT	154		110	145
Net Income (35% Tax Rate)	100		72	36
Return on GAAP Capital	%6	%) 8	%8	19%
Return on RAP Capital	37%	%0	31%	30%
Return on Economic Capital	%29	%6	28%	74%
Net Income/Revenue	41%	350	36%	42%
PTPB/Headcount	3.84	% **	3.68	5.51
Headcount	51	34%	39	32

*Total IC includes direct GSM IC as well as allocated FI Admin and Sales IC 2006 FI Admin and Sales IC is unavailable, 2005 numbers have been used

Non Agency Financials - 2007 YTD

(\$ Millions)	2007 Mar YTD Fcst**	MMC Budget	2007 Mar YTD Budget	2007 FY Budget
Non Agency Revenue				252
Direct Expense		.40%	, ∞	-28
Allocations	O	40%	Φ	33
Total Expense	41	**	16	61
Pre Tax Pre Bonus	26	S	47	191
Total IC*	7	%	<u></u>	42
Total Expense Incl. IC	24	89	26	103
Margin	46	% & **	37	149
Total Cost/Recovery of Credit	I	%0	ı	ı
EBIT	46		37	149
Net Income (35% Tax Rate)	30		24	26
Return on GAAP Capital	% 6	2%	7%	%
Return on RAP Capital	36%	\$	26%	79%
Return on Economic Capital	74%	15%	29%	%09
Net Income/Revenue	43%	%\$	38%	38%
PTPB/Headcount	4.18	33%	3.15	3.18
Headcount	54	%0;	09	09

^{*} Total IC is an estimate based on prior years and includes direct GSM IC as well as allocated FI Admin and Sales IC

^{**} YTD Fcst consists of January and February actuals and March estimate

Non Agency Revenue By Sector

Sector (\$mm)	2004	2005	2006	Feb 07 YTD
Non Agency CMOs	23.4	10.1	<u>+</u> 4	7.5
Agency / Non Agency ARMS	5.2	8.7	11.9	5.4
Whole Loans/New Issues/Subs	153.0	144.2	174.3	18.2
Warehouse Lending - Spread and Fees	33.5	37.5	44.2	8.0
Other	9.2	1.1	4 .	2.0
Total Revenue	224.3	201.7	245.9	41.1

Non Agency Securifization League Table - 2006/2005

	Proceeds	2006	Mkt.	No. of	2005	Proceeds		'04 No. of
Book Manager	(US\$ Mil)	Rank	Share	Issues	Rank	(US\$ Mil)	'05 Mkt. Share	Issues
Lehman Brothers	\$123,771	7	11.2%	228	1	\$128,105	12.1%	212
Countrywide Securities	104,924	7	9.5%	144	က	116,528	11.4%	153
Bear Stearns & Co	102,331	က	9.5%	143	7	122,042	12.1%	228
Royal Bank of Scotland Group	98,510	4	8.9%	136	4	114,686	%6.6	160
Deutsche Bank AG	77,330	2	7.0%	132	9	65,115	6.1%	112
Goldman Sachs & Co	900'69	9	6.2%	84	7	60,221	5.9%	85
Credit Suisse	66,541	7	%0.9	118	5	90,775	7.1%	177
Citigroup	59,566	8	5.4%	137	11	58,418	5.9%	147
JP Morgan	58,952	6	5.3%	127	13	45,235	5.5%	68
UBS	51,179	10	4.6%	113	6	59,073	5.9%	126
Morgan Stanley	50,699	1	4.6%	61	œ	59,465	5.8%	88
Washington Mutual	49,199	12	4.4%	54	10	55,175	5.7%	44
Merrill Lynch	45,916	13	4.2%	71	12	56,767	5.8%	98
Industry Total	\$957.924			1.548		\$1.035.289		1.707

Source: Thompson Financial December 31, 20

Nor Agency Securitization League Table - Mar 2007 YD

		8			8
	***				8
990		8			8
99	333	×		ě	
888	×		8	S	
	***	88			8
		×			8
939	333			ĕ	
333	888				
					ö
3.0			Ŀ.		8
			ť.		
****	202	٠		S	
	er.	٠	×		
888	8.0		ĸ.	8	
	о.	и	8		8
	æ	۰	к		R
200		ı	Ġ.		ŝ
	000		8		
000	·#	4	Ю	S	
	20	×	Q		
	80	3	×		Š
	8.		8		8
	×				8
		3			
	•	٠	ř		
			8	8	
333					
		×			8
	100	ĸ.			9
	٠,	я	В		
888	ы.	ю	9	в	
	g-,		3		8
**	70	5	3	Ŀ	
		۰	1	٤	
33	:27	÷	Ó		Š
	31	ď	8		í
	: (1	٠	Ç		
:::::	100	÷	ú	3	
333		3	3	Ė	
	ы.	9	e	t	
999	98	×	Ü		Ó
****	٠.	ŧ.	×	ĕ	
	-	×			8
	20		Ŀ.		
		×			ŝ
000	r e	7	Ю		
***	20	и.			ĕ
	***	÷	ø		8
333		4	8		
	**	÷	Ю		8
333	n	ж	ti:		
***		×	×		ĕ
888	929			S	
	E.	×	2		8
	m	۰		ŀ	8
			S.	ì	Š
	33	а	×	ĕ	
	: 1	٠	9		
	ю.				
			6		8
	×	Ų,			
	Ľ				
		i			
	ŀ				
1					
1					
1					
1					
1					
1					
1					
1					
1					
1					
1 1					
1					
1					
1 1 1					
1 1					
1					
1 1 1					
1					
1 1					
1 1 1					
1 1 1					
1 1 1					
1 1					
1 1 1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
1 1 1 1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
1 1 1					
1 1 1					
1 1 1					
1 1 1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
1 1 1 1	Residentia Non Coency Moriograp				
1 1 1					
1 1 1 1 1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
1 1 1 1					
1 1 1 1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
1 1 1 1					
1 1 1 1					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					

Book Manager	Proceeds (US\$ Mil)	2007 Rank	Mkt. Share	No. of Issues	2006 Rank
Citigroup	15,964	1	9.4%	29	8
JP Morgan	14,720	2	8.6%	17	O
Lehman Brothers	14,713	ო	8.6%	25	_
Washington Mutual Inc.	14,035	4	8.2%	12	12
Countrywide Securities Corp	13,570	Ŋ	8.0%	14	2
Goldman Sachs & Co	13,199	ဖ	7.7%	16	ဖ
Bear Stearns & Co Inc	12,805	7	7.5%	24	က
Merrill Lynch	10,945	œ	6.4%	13	13
Royal Bank of Scotland Group	10,770	တ	6.3%	19	4
UBS	8,901	10	5.2%	15	10
Credit Suisse	8,404	7	4.9%	14	7
Banc of America Securities LLC	8,113	12	4.8%	18	16
Deutsche Bank AG	7,784	73	4.6%	18	ហ
Industry Total	153,930			234	

Source: Thompson Financial March 26, 2007

Recent Non Agency Spread Movement

Deal Soued 4/16/2006

Pricing '07 H/(L) '06

	Ž Ž	``~~		\$ 7 8 8 8 8 8	Š , , , ,	<i>\$</i>	
Tranche	AL	Ratings	Pricing	Tranche	AL	Ratings	Pricing
CRMSI 2007-1 A1 A	1.00	Aaa/AAA	EDSF+17	CRMSI 2006-3 A1	1.00	Aaa/AAA	EDSF+14
CRMSI 2007-1 A1 B	1.00	Aaa/AAA	1mL+9	CRMSI 2006-3 A1	1.00	Aaa/AAA	1mL+7
CRMSI 2007-1 A2	2.20	Aaa/AAA	iSwap+42	CRMSI 2006-3 A2	2.20	Aaa/AAA	iSwap+35
CRMSI 2007-1 A3	3.00	Aaa/AAA	N+65	CRMSI 2006-3 A3	3.00	Aaa/AAA	N+45
CRMSI 2007-1 A4	5.00	Aaa/AAA	N+91	CRMSI 2006-3 A4	2.00	Aaa/AAA	09+N
CRMSI 2007-1 A5	8.07	Aaa/AAA	iSwaps+101	CRMSI 2006-3 A5	8.07	Aaa/AAA	iSwaps+83
CRMSI 2007-1 A6	6.35	Aaa/AAA	iSwaps+70	CRMSI 2006-3 A6	6.35	Aaa/AAA	iSwaps+52
CRMSI 2007-1 M1	5.44	Aa 1/AA+	iSwaps + 89	CRMSI 2006-3 M1	5.44	Aa 1/AA+	iSwaps+69
CRMSI 2007-1 M2	5.44	Aa 2/AA	iSwaps + 94	CRMSI 2006-3 M2	5.43	Aa 2/AA	iSwaps+72
CRMSI 2007-1 M3	5.44	Aa3/AA-	iSwaps + 102	CRMSI 2006-3 M3	5.43	Aa3/AA-	iSwaps+77
CRMSI 2007-1 M4	5.44	Aa 3/A+	iSwaps + 125	CRMSI 2006-3 M4	5.43	A1/A+	iSwaps+85
CRMSI 2007-1 M5	5.44	A1/A	iSwaps + 140	CRMSI 2006-3 M5	5.43	A1/A	iSwaps+95
CRMSI 2007-1 M6	5.44	A2/A-	iSwaps + 150	CRMSI 2006-3 M6	5.43	A2/A-	iSwaps+105
CRMSI 2007-1 M7	5.44	A3/BBB+	iSwaps + 215	CRMSI 2006-3 M7	5.43	A3/BBB+	iSwaps+130
CRMSI 2007-1 M8	5.44	Baa1/BBB	Crmsi retains	CRMSI 2006-3 M8	5.43	Baa1/BBB	iSwaps+160
CRMSI 2007-1 M9	5.44	Baa1/BBB-	Crmsi retains	CRMSI 2006-3 M9	5.43	Baa1/BBB-	iSwaps+215

3.00 2.00 7.00 20.00 31.00 18.00 22.00 22.00 25.00 45.00 85.00

Z A