# Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 2004-039

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page $\mathrm{S}-11$ which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be May 28, 2004.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Citigroup

## Williams Capital Group, L.P.

## Ginnie Mae REMIC Trust 2004-039

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | Original Principal Balance(2) | Interest Rate | Principal Type(3) | Interest <br> Type(3) | Final Distribution Date(4) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| EA(1)....... | \$16,328,600 | 0.0\% | SCH / AD | PO | May 2034 | 38374 GTF 9 |
| FA | 65,314,400 | (5) | SCH/AD | FLT | May 2034 | 38374 GTG 7 |
| UA (1) | 65,314,400 | (5) | NTL (SCH/AD) | INV/IO | May 2034 | $38374 \mathrm{GTH5}$ |
| UB (1) | 65,314,400 | (5) | NTL (SCH/AD) | INV/IO | May 2034 | 38374 GTJ 1 |
| ZA(1) | 7,357,000 | 6.0 | SUP | FIX/Z | May 2034 | 38374 GTK 8 |
| Security Group 2 |  |  |  |  |  |  |
| AB | 3,794,000 | 5.5 | SUP/AD | FIX | January 2033 | 38374 GTL 6 |
| AC | 2,510,000 | 5.5 | SUP | FIX | August 2033 | $38374 \mathrm{GTM4}$ |
| AD | 4,020,000 | 6.0 | SUP | FIX | October 2033 | 38374 GTN 2 |
| AE | 9,156,000 | 6.0 | SUP | FIX | January 2034 | 38374 GTP 7 |
| AG | 12,306,417 | 6.0 | SUP | FIX | May 2034 | $38374 \mathrm{GTQ5}$ |
| AH | 19,370,000 | 5.5 | SUP/AD | FIX | May 2032 | 38374 GTR 3 |
| AK | 19,750,000 | 6.0 | SUP | FIX | February 2033 | 38374 GTS 1 |
| AL | 6,050,000 | 6.0 | SUP | FIX | April 2033 | 38374 GTT 9 |
| AM. | 8,825,250 | 6.0 | SUP | FIX | August 2033 | $38374 \mathrm{GTU6}$ |
| ED | 5,464,333 | 0.0 | CPT/SUP | PO | May 2034 | 38374 GTV 4 |
| EL(1) | 31,754,000 | 0.0 | PAC I | PO | May 2034 | 38374 GTW 2 |
| IL(1) | 31,754,000 | 5.5 | NTL (PAC I) | FIX/IO | May 2034 | $38374 \mathrm{GTX0}$ |
| JX(1) | 50,000,000 | 5.5 | PAC II/AD | FIX | May 2034 | $38374 \mathrm{GTY8}$ |
| LA (1) | 66,800,000 | 5.5 | PAC I | FIX | May 2025 | $38374 \mathrm{GTZ5}$ |
| LB (1) | 34,950,000 | 5.5 | PAC I | FIX | January 2027 | $38374 \mathrm{GUA8}$ |
| LC(1) | 71,800,000 | 5.5 | PAC I | FIX | December 2029 | $38374 \mathrm{GUB6}$ |
| LD | 24,100,000 | 5.5 | PAC I | FIX | November 2030 | 38374 GUC 4 |
| LE | 79,850,000 | 5.5 | PAC I | FIX | May 2033 | 38374 GUD 2 |
| LH | 5,000,000 | 5.5 | PAC I | FIX | September 2033 | 38374 GUE 0 |
| ZB | 9,500,000 | 5.5 | SUP | FIX/Z | October 2031 | 38374 GUF 7 |
| Security Group 3 |  |  |  |  |  |  |
| EB | 6,484,705 | 0.0 | SC/PT | PO | April 2034 | 38374 GUG 5 |
| YD. | 1,163,636 | 5.5 | SC/PT | FIX | April 2034 | 38374 GUH 3 |
| Security Group 4 IY(1) | 5,741,224 | 4.5 | NTL (SC/PT) | FIX/IO | August 2026 | 38374 GUK 6 |
| Security Group 5 |  |  |  |  |  |  |
| EC(1)........... | 12,500,000 | 0.0 | SCH/AD | PO | May 2034 | 38374 G UJ 9 |
| FB | 50,000,000 | (5) | SCH/AD | ${ }_{\text {FLT }}$ | May 2034 | $38374 \mathrm{GUL4}$ |
| UC(1) | 50,000,000 | (5) | NTL (SCH/AD) | INV/IO | May 2034 | 38374 GUM 2 |
| UD (1) | 50,000,000 | (5) | NTL (SCH/AD) | INV/IO | May 2034 | $38374 \mathrm{GUN0}$ |
| ZC (1) | 5,631,989 | 6.0 | SUP | FIX/Z | May 2034 | 38374 GUP 5 |
| Security Group 6 |  |  |  |  |  |  |
| XF | 52,600,000 | (5) | SEQ/AD | FLT | October 2033 | 38374 GUQ 3 |
| XI(1) | 52,600,000 | 0.5 | NTL (SEQ/AD) | FIX/IO | October 2033 | $38374 \mathrm{GUR1}$ |
| XS(1) | 52,600,000 | (5) | NTL (SEQ/AD) | INV/IO | October 2033 | $38374 \mathrm{GUS9}$ |
|  | 275,247 | 8.0 | SEQ | FIX/Z | May 2034 | 38374 GUT 7 |
| Security Group 7 ID (1) | 7,470,624 | 5.0 | NTL (SC/PT) | FIX/IO | May 2033 | $38374 \mathrm{GUU4}$ |
| Security Group 8 |  |  |  |  |  |  |
| Security Group 9IH(1)............................. $21,835,000$. |  |  |  |  |  |  |
| Security Group 10 IG(1) | 5,065,909 | 5.5 | NTL (SC/PT) | FIX/IO | February 2033 | $38374 \mathrm{GUX8}$ |
| Security Group 11 |  |  |  |  |  |  |
| Security Group 12 |  |  |  |  |  |  |
| Security Group 13 IV (1) | 22,205,304 | 6.0 | NTL (SC/PT) | FIX/IO | April 2033 | 38374 GVA 7 |
| Residual 3 NPR $383746 \mathrm{VR5}$ |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

(1) These Securities may be exchanged for MX Securities described in Schedule I.
(2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for each Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of each Notional Class will be reduced is indicated in parentheses.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(5) See "Terms Sheet - Interest Rates" in this Supplement.

## AVAILABLE INFORMATION

You should purchase the securities only if you have read and understood the following documents:

- this Offering Circular Supplement (this "Supplement"),
- the Base Offering Circular and
- in the case of the Group 3, 4, 7, 8, 9, 10, 11, 12 and 13 securities, each disclosure document relating to the Underlying Certificates (the "Underlying Certificate Disclosure Documents").

The Base Offering Circular and the Underlying Certificate Disclosure Documents are available on Ginnie Mae's website located at http://www.ginniemae.gov.

If you do not have access to the internet, call JPMorgan Chase Bank, which will act as information agent for the Trust, at (800) 234-GNMA, to order copies of the Base Offering Circular. In addition, you can obtain copies of any other document listed above by contacting JPMorgan Chase Bank at the telephone number listed above.

Please consult the standard abbreviations of Class Types included in the Base Offering Circular as Appendix I and the Glossary included in the Base Offering Circular as Appendix II for definitions of capitalized terms.

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## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: Wells Fargo Bank, N.A.
Tax Administrator: The Trustee
Closing Date: May 28, 2004
Distribution Dates: For the Group 1, 5 and 6 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in June 2004. For the Group 4 and 12 Securities, the 17th day of each month or, if the 17 th day is not a Business Day, the first Business Day thereafter, commencing in June 2004. For the Group 2, 3, 7, 8, 9, 10, 11 and 13 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in June 2004.

Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type |  | Original Term <br> To Maturity <br> (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae I |  | Certificate Rate |
|  | Ginnie Mae II | $6.0 \%$ | 30 |
| 3 | Underlying Certificates | $5.5 \%$ | 30 |
| 4 | Underlying Certificates | $(1)$ | $(1)$ |
| 5 | Ginnie Mae I | $(1)$ | $(1)$ |
| 6 | Ginnie Mae I | $6.0 \%$ | 30 |
| 7 | Underlying Certificates | $8.0 \%$ | 30 |
| 8 | Underlying Certificates | $(1)$ | $(1)$ |
| 9 | Underlying Certificates | $(1)$ | $(1)$ |
| 10 | Underlying Certificates | $(1)$ | $(1)$ |
| 11 | Underlying Certificates | $(1)$ | $(1)$ |
| 12 | Underlying Certificates | $(1)$ | $(1)$ |
| 13 | Underlying Certificates | $(1)$ | $(1)$ |

${ }^{(1)}$ Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 5 and 6 Trust Assets ${ }^{1}$ :

| Principal Balance | Weighted Average Remaining Term to Maturity (in months) | Weighted Average Loan Age (in months) | Weighted Average Mortgage Rate ${ }^{3}$ |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets |  |  |  |
| \$ 89,000,000 | 353 | 5 | 6.5\% |
| Group 2 Trust Assets |  |  |  |
| \$465,000,000 | 353 | 4 | 5.9\% |
| Group 5 Trust Assets |  |  |  |
| \$ 68,131,989 | 353 | 5 | 6.5\% |
| Group 6 Trust Assets |  |  |  |
| \$ 52,875,247 | 250 | 104 | 8.5\% |
| ${ }^{1}$ As of May 1, 2004. |  |  |  |
| ${ }^{2}$ Does not include the Group 2 Trust Assets that will be added to pay the Trustee Fee. |  |  |  |
| ${ }^{3}$ The Mortgage at rates rangin cate Rate. | oans underlying the from $0.25 \%$ to 1.50 | oup 2 Trust Asset per annum above | y bear interest related Certifi |

The actual remaining terms to maturity, loan ages and, in the case of the Group 2 Trust Assets, Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 2, 5 and 6 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trusts.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only or Inverse Floating Rate Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | Initial <br> Interest <br> Rate(2) | $\begin{gathered} \text { Minimum } \\ \text { Rate } \end{gathered}$ | $\underset{\text { Rate }}{\text { Maximum }}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.30\% | 1.40\% | 0.30\% | 7.50\% | 0 | 0.00\% |
| FB | LIBOR + 0.30\% | 1.40\% | 0.30\% | 7.50\% | 0 | 0.00\% |
| QA | 12.00\% - (LIBOR x 2.00) | 9.80\% | 0.00\% | 12.00\% | 0 | 6.00\% |
| QB | 7.20\% - LIBOR | 6.10\% | 0.00\% | 7.20\% | 0 | 7.20\% |
| QC | 28.80\% - (LIBOR x 4.00) | 24.40\% | 0.00\% | 28.80\% | 0 | 7.20\% |
| QD. | 24.00\% - (LIBOR x 4.00) | 19.60\% | 0.00\% | 24.00\% | 0 | 6.00\% |
| QE | 18.00\% - (LIBOR x 3.00) | 14.70\% | 0.00\% | 18.00\% | 0 | 6.00\% |
| QX | 7.75\% - LIBOR | 6.65\% | 0.50\% | 7.75\% | 0 | 7.25\% |
| SA | 12.00\% - (LIBOR x 2.00) | 9.80\% | 0.00\% | 12.00\% | 0 | 6.00\% |
| SB | 7.20\% - LIBOR | 6.10\% | 0.00\% | 7.20\% | 0 | 7.20\% |
| SC | 28.80\% - (LIBOR x 4.00) | 24.40\% | 0.00\% | 28.80\% | 0 | 7.20\% |
| SD | 24.00\% - (LIBOR x 4.00) | 19.60\% | 0.00\% | 24.00\% | 0 | 6.00\% |
| SE | 18.00\% - (LIBOR x 3.00) | 14.70\% | 0.00\% | 18.00\% | 0 | 6.00\% |
| UA | 6.00\% - LIBOR | 4.90\% | 0.00\% | 6.00\% | 0 | 6.00\% |
| UB | 7.20\% - LIBOR | 1.20\% | 0.00\% | 1.20\% | 0 | 7.20\% |
| UC | 6.00\% - LIBOR | 4.90\% | 0.00\% | 6.00\% | 0 | 6.00\% |
| UD | 7.20\% - LIBOR | 1.20\% | 0.00\% | 1.20\% | 0 | 7.20\% |
| XF | LIBOR + 0.25\% | 1.35\% | 0.25\% | 7.50\% | 0 | 0.00\% |
| XS | 7.25\% - LIBOR | 6.15\% | 0.00\% | 7.25\% | 0 | 7.25\% |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

The Weighted Average Coupon Classes, Classes IW and IX, will accrue interest during each Accrual Period in an amount derived by aggregating the accrued interest on their related REMIC Classes for such Accrual Period. The initial Interest Rate of Class IW is approximately $5.33428 \%$ and of Class IX is approximately $5.58266 \%$, each of which will be in effect for the first Accrual Period.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

The Group 1 Principal Distribution Amount and the ZA Accrual Amount will be allocated in the following order of priority:

1. Concurrently, to EA and FA, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZA, until retired
3. Concurrently, to EA and FA, pro rata, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 2

A percentage of the Group 2 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") and, beginning in Step 2, the ZB Accrual Amount will be allocated in the following order of priority:

1. To the PAC I Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, in the following order of priority:
a. Sequentially, to LA, LB, LC, LD and LE, in that order, until retired
b. Concurrently, $50 \%$ to EL and $50 \%$ to LH, until LH is retired
c. To EL, until retired
2. To JX, until reduced to its Scheduled Principal Balance for that Distribution Date
3. $95 \%$ to ZB , until retired
4. Concurrently, until AB is retired:
a. $8.8684228980 \%$ to AB
b. $91.1315771020 \%$ as follows:
i. To AH , until retired
ii. Concurrently:
(a) $91.6666666667 \%$ to AK
(b) $8.3333333333 \%$ to ED2
5. Concurrently:
a. $12.1455530824 \%$ to AC , until retired
b. $87.8544469176 \%$, concurrently, as follows:
i. $91.6666666667 \%$, sequentially, to $\mathrm{AK}, \mathrm{AL}$ and AM , in that order, until retired
ii. $8.3333333333 \%$ to ED2, until retired
6. Concurrently:
a. $8.3333321342 \%$ to ED1, until retired
b. $91.6666678658 \%$, sequentially, to $\mathrm{AD}, \mathrm{AE}$ and AG , in that order, until retired
7. To JX, without regard to its Aggregate Scheduled Principal Balances, until retired
8. To the PAC I Classes, in the same manner and order of priority described in Step 1 above, but without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 3

$90.9090909091 \%$ of the Group 3 Principal Distribution Amount attributable to Ginnie Mae 2004-021 Class YD will be allocated to YD, until retired, and the remainder of the Group 3 Principal Distribution Amount will be allocated to EB, until retired

## SECURITY GROUP 5

The Group 5 Principal Distribution Amount and the ZC Accrual Amount will be allocated in the following order of priority:

1. Concurrently, to EC and FB, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZC, until retired
3. Concurrently, to EC and FB, pro rata, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 6

The Group 6 Principal Distribution Amount and the XZ Accrual Amount will be allocated, sequentially, to XF and XZ, in that order, until retired

Scheduled Principal Balances: The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges:

## Class

EL, LA, LB, LC, LD, LE and LH (in the aggregate)

EA and FA (in the aggregate) ..................................... $200 \%$ PSA through 253\% PSA
EC and FB (in the aggregate) ..................................... $200 \%$ PSA through 253\% PSA

Structuring Ranges
100\% PSA through 250\% PSA

Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of,
and reduces to that extent with, the Class Principal Balances, Class Notional Balances or specified Group Trust Assets indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| IA | \$30,363,636 | $45.4545454545 \%$ of LA (PAC I Class) |
| IB | \$15,886,363 | $45.4545454545 \%$ of LB (PAC I Class) |
| IC | \$19,581,818 | $27.2727272727 \%$ of LC (PAC I Class) |
| ID | \$ 7,470,624 | 100\% of the Group 7 Trust Assets |
| IE | \$23,096,344 | 100\% of the Group 8 Trust Assets |
| IG | \$ 5,065,909 | 100\% of the Group 10 Trust Assets |
| IH | \$21,835,000 | 100\% of the Group 9 Trust Assets |
| IJ | \$78,886,363 | $45.4545454545 \%$ of LA, LB and LC (in the aggregate) (PAC I Classes) |
| IK | \$46,250,000 | $45.4545454545 \%$ of LA and LB (in the aggregate) <br> (PAC I Classes) |
| IL | \$31,754,000 | 100\% of EL (PAC I Class) |
| IM | \$24,290,909 | 36.3636363636\% of LA (PAC I Class) |
|  | 4,321,091 | $12.3636363636 \%$ of LB (PAC I Class) |
|  | $\underline{\$ 28,612,000}$ |  |
| IN | \$ 9,451,667 | 100\% of the Group 11 Trust Assets |
| IO | \$28,902,196 | 100\% of the Group 12 Trust Assets |
| IV | \$ 5,379,637 | 100\% of the Group 13 Trust Assets attributable to Ginnie Mae 2003-097 Class LI |
|  | 1,837,761 | 100\% of the Group 13 Trust Assets attributable to Ginnie Mae 2002-060 Class KI |
|  | 14,987,906 | $125 \%$ of the Group 13 Trust Assets attributable to Ginnie Mae 2003-076 Class UI |
|  | $\xlongequal{\$ 22,205,304}$ |  |
| IW | \$34,643,420 | $100 \%$ of IO and IY (in the aggregate) (NTL (SC/PT) classes) |
| IX | \$89,124,848 | $100 \%$ of ID, IE, IG, IH, IN and IV (in the aggregate) (NTL (SC/PT) Classes) |
| IY | \$ 5,741,224 | 100\% of the Group 4 Trust Assets |
| JI | \$ 9,090,909 | 18.1818181818\% of JX (PAC II/AD Class) |
| QB | \$50,000,000 | 100\% of FB (SCH/AD Class) |
| QX | \$52,600,000 | 100\% of XF (SEQ/AD Class) |
| SB | \$65,314,400 | 100\% of FA (SCH/AD Class) |
| UA | \$65,314,400 | 100\% of FA (SCH/AD Class) |
| UB | \$65,314,400 | 100\% of FA (SCH/AD Class) |
| UC | \$50,000,000 | 100\% of FB (SCH/AD Class) |
| UD | \$50,000,000 | 100\% of FB (SCH/AD Class) |
| XI | \$52,600,000 | 100\% of XF (SEQ/AD Class) |
| XS | \$52,600,000 | 100\% of XF (SEQ/AD Class) |

Component Classes: For purposes of calculating distributions of principal, Class ED is comprised of multiple components having the designations and characteristics set forth below. Components are not separately transferable from the related Class of Securities.

| Class | Components | $\begin{gathered} \text { Principal } \\ \text { Type } \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type } \end{gathered}$ | $\xrightarrow{\substack{\text { Interest } \\ \text { Rate }}}$ | Original Principal Balance |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ED | ED1 | SUP | PO | 0\% | \$2,316,583 |
|  | ED2 | SUP | PO | 0\% | \$3,147,750 |

Tax Status: Double REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Class $R R$ is a Residual Class and includes the Residual Interest of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.

## RISK FACTORS

You should purchase securities only if you understand and are able to bear the associated risks. The risks applicable to your investment depend on the principal and interest type of your securities. This section bighlights certain of these risks.

The rate of principal payments on the underlying mortgage loans will affect the rate of principal payments on your securities. The rate at which you will receive principal payments will depend largely on the rate of principal payments, including prepayments, on the mortgage loans underlying the related trust assets. We expect the rate of principal payments on the underlying mortgage loans to vary. Borrowers generally may prepay their mortgage loans at any time without penalty.

Rates of principal payments can reduce your yield. The yield on your securities probably will be lower than you expect if:

- you bought your securities at a premium (interest only securities, for example) and principal payments are faster than you expected, or
- you bought your securities at a discount (principal only securities, for example) and principal payments are slower than you expected.

In addition, if your securities are interest only securities or securities purchased at a significant premium, you could lose money on your investment if prepayments occur at a rapid rate.

The level of LIBOR will affect the yields on floating rate and inverse floating rate securities. If LIBOR performs differently from what you expect, the yield on your securities may be lower than you expect. Lower levels of LIBOR will generally reduce the yield on floating rate securities; higher levels of LIBOR will generally reduce the yield on inverse floating rate securities. You should bear in mind that the timing of changes in the level of LIBOR may affect your yield: generally, the earlier a change, the greater the effect on your yield. It is doubtful that LIBOR will remain constant.

An investment in the securities is subject to significant reinvestment risk. The rate of principal payments on your securities is uncertain. You may be unable to reinvest the payments on your securities at the same returns provided by the securities. Lower prevailing interest rates may result in an unexpected return of principal. In that interest rate climate, higher yielding reinvestment opportunities may be limited. Conversely, higher prevailing interest rates may result in slower returns of principal and you may not be able to take advantage of higher yielding investment opportunities. The final payment on your security may occur much earlier than the final distribution date.

Support securities will be more sensitive to rates of principal payments than other securities. If principal prepayments result in principal distributions on any distribution date equal to or less than the amount needed to produce scheduled payments on the PAC and scheduled classes, the related support classes and components will not receive any principal distribution on that date (other than from any applicable accrual amounts). If prepayments result in principal distributions on any distribution date greater than the amount needed to produce scheduled payments on the related PAC and scheduled classes for that distribution date, this excess will be distributed to the related support classes and components.

The rate of payments on the underlying certificates will directly affect the rate of payments on the group 3, 4, 7, 8, 9, 10, 11, 12 and 13 securities. The underlying certificates will be sensitive in varying degrees to

- the rate of payments of principal (including prepayments) of the related mortgage loans, and
- the priorities for the distribution of principal among the classes of the related underlying series.

As described in the related underlying certificate disclosure documents, certain of the underlying certificates included in trust asset group 3 are not entitled to distributions of principal until certain classes of the related underlying series have been retired and, accordingly, distributions of principal of the related mortgage loans for extended periods may be applied to the distribution of principal of those classes of certificates having priority over the underlying certificates. In addition, certain of the underlying certificates included in trust asset group 3 are support classes that are entitled to receive principal distributions only if scheduled payments have been made on other specified classes of the related underlying series (or if specified classes have been retired). Accordingly, such underlying certificates may receive no principal distributions for extended periods of time or may receive principal payments that vary widely from period to period.

In addition, the principal entitlement of one of the underlying certificates included in trust asset group 3 on any payment date is calculated on the basis of schedules; no assurance can be given that the underlying certificates will adhere to their schedules. Further, prepayments on the related mortgage loans may have occurred at rates faster or slower than those initially assumed.

This supplement contains no information as to whether such underlying certificate included in trust asset group 3 has adhered to its principal balance schedules, whether any of its related supporting classes remain outstanding or whether any of the underlying certificates otherwise have performed as originally anticipated. Additional information as to the underlying certificates may be obtained by performing an analysis of current principal factors of the underlying certificates in light of applicable information contained in the related underlying certificate disclosure documents.

The securities may not be a suitable investment for you. The securities, especially the group $3,4,7,8,9,10,11,12$ and 13 securities and, in particular, the component, support, interest only, principal only, inverse floating rate, accrual and residual classes, are not suitable investments for all investors.

In addition, although the sponsor intends to make a market for the purchase and sale of the securities after their initial issuance, it has no obligation to do so. There is no assurance that a secondary market will develop, that any secondary market will continue, or that the price at which you can sell an investment in any class will enable you to realize a desired yield on that investment.

You will bear the market risks of your investment. The market values of the classes are likely to fluctuate. These fluctuations may be significant and could result in significant losses to you.

The secondary markets for mortgage-related securities have experienced periods of illiquidity and can be expected to do so in the future. Illiquidity can have a severely adverse effect on the prices of classes that are especially sensitive to prepayment or interest rate risk or that have been structured to meet the investment requirements of limited categories of investors.

The residual securities may experience significant adverse tax timing consequences. Accordingly, you are urged to consult tax advisors and to consider the after-tax effect of ownership of a residual security and the suitability of the residual securities to your investment objectives. See "Certain Federal Income Tax Consequences" in this supplement and in the base offering circular.

You are encouraged to consult advisors regarding the financial, legal, tax and other aspects of an investment in the securities. You should not purchase the securities of any class unless you understand and are able to bear the prepayment, yield, liquidity and market risks associated with that class.

The actual characteristics of the underlying mortgage loans will affect the weighted average lives and yields of your securities. The yield and prepayment tables in this supplement are based on assumed characteristics which are likely to be different from the actual characteristics. As a result, the yields on your securities could be lower than you
expected, even if the mortgage loans prepay at the constant prepayment rates set forth in the applicable table.

It is highly unlikely that the underlying mortgage loans will prepay at any of the prepayment rates assumed in this supplement, or at any constant prepayment rate.

## THE TRUST ASSETS

## General

The Sponsor intends to acquire the Trust Assets in privately negotiated transactions prior to the Closing Date and to sell them to the Trust according to the terms of a Trust Agreement between the Sponsor and the Trustee. The Sponsor will make certain representations and warranties with respect to the Trust Assets. All Trust Assets, regardless of whether the assets consist of Trust MBS or the Underlying Certificates, will evidence, directly or indirectly, Ginnie Mae Certificates.

## The Trust MBS (Groups 1, 2, 5 and 6)

The Group 1, 5 and 6 Trust Assets are either:

1. Ginnie Mae I MBS Certificates guaranteed by Ginnie Mae, or
2. Ginnie Mae Platinum Certificates backed by Ginnie Mae I MBS Certificates and guaranteed by Ginnie Mae.

Each Mortgage Loan underlying a Ginnie Mae I MBS Certificate bears interest at a Mortgage Rate $0.50 \%$ per annum greater than the related Certificate Rate. The difference between the Mortgage Rate and the Certificate Rate is used to pay the related servicers of the Mortgage Loans a monthly servicing fee and Ginnie Mae a fee for its guaranty of the Ginnie Mae I MBS Certificate of $0.44 \%$ per annum and $0.06 \%$ per annum, respectively, of the outstanding principal balance of the Mortgage Loan.

The Group 2 Trust Assets are either:

1. Ginnie Mae II MBS Certificates guaranteed by Ginnie Mae, or
2. Ginnie Mae Platinum Certificates backed by Ginnie Mae II MBS Certificates and guaranteed by Ginnie Mae.

Each Mortgage Loan underlying a Ginnie Mae II MBS Certificate issued prior to July 1, 2003 bears interest at a Mortgage Rate $0.50 \%$ to $1.50 \%$ per annum greater than the related Certificate Rate. Each Mortgage Loan underlying a Ginnie Mae II MBS Certificate issued on or after July 1, 2003 bears interest at a Mortgage Rate $0.25 \%$ to $0.75 \%$ per annum greater than the related Certificate Rate. Ginnie Mae receives a fee (the "Ginnie Mae Certificate Guaranty Fee") for its guaranty of each Ginnie Mae II MBS Certificate of $0.06 \%$ per annum of the outstanding principal balance of each related Mortgage Loan. The difference between (a) the Mortgage Rate and (b) the sum of the Certificate Rate and the Ginnie Mae Certificate Guaranty Fee is used to pay the related servicers of the Mortgage Loans a monthly servicing fee.

## The Underlying Certificates (Groups 3, 4, 7, 8, 9, 10, 11, 12 and 13)

The Group 3, 4, 7, 8, 9, 10, 11, 12 and 13 Trust Assets are Underlying Certificates that represent beneficial ownership interests in one or more separate trusts, the assets of which evidence direct or indirect beneficial ownership interests in certain Ginnie Mae Certificates. Each Underlying Certificate constitutes all or a portion of a class of a separate Series of certificates described in the related Underlying Certificate Disclosure Document, excerpts of which are attached as Exhibit B to this Supplement. Each Underlying Certificate Disclosure Document may be obtained from the Information Agent as described under "Available Information" in this Supplement. Investors are cautioned that material changes in facts and circumstances may have occurred since the date of each Underlying Certificate Disclosure Document, including changes in prepayment rates, prevailing interest rates and other economic factors, which may limit the usefulness of, and be directly contrary to the assumptions used in preparing the information included in, the offering document. See "Underlying Certificates" in the Base Offering Circular.

Each Underlying Certificate provides for monthly distributions and is further described in the table contained in Exhibit A to this Supplement. The table also sets forth information regarding approximate weighted average remaining terms to maturity, loan ages and mortgage rates of the Mortgage Loans underlying the related Ginnie Mae Certificates.

## The Mortgage Loans

The Mortgage Loans underlying the Group 1, 2, 5 and 6 Trust Assets are expected to have, on a weighted average basis, the characteristics set forth in the Terms Sheet under "Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 5 and 6 Trust Assets" and the general characteristics described in the Base Offering Circular. The Mortgage Loans underlying the Underlying Certificates are expected to have, on a weighted average basis, the characteristics set forth in Exhibit A to this Supplement. The Mortgage Loans will consist of first lien, single-family, fixed rate, residential mortgage loans that are insured or guaranteed by the Federal Housing Administration, the United States Department of Veterans Affairs, the Rural Housing Service or the United States Department of Housing and Urban Development ("HUD"). See "The Ginnie Mae Certificates - General" in the Base Offering Circular.

Specific information regarding the characteristics of the Mortgage Loans is not available. For purposes of this Supplement, certain assumptions have been made regarding the remaining terms to maturity, loan ages and, in the case of the Group 2 Trust Assets, Mortgage Rates of the Mortgage Loans. However, the actual remaining terms to maturity, loan ages and, in the case of the Group 2 Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the characteristics assumed, perhaps significantly. This will be the case even if the weighted average characteristics of the Mortgage Loans are the same as the assumed characteristics. Small differences in the characteristics of the Mortgage Loans can have a significant effect on the weighted average lives and yields of the Securities. See "Risk Factors" and "Yield, Maturity and Prepayment Considerations" in this Supplement.

## The Trustee Fee

On each Distribution Date, the Trustee will retain a fixed percentage of all principal and interest distributions received on specified Trust Assets in payment of its fee.

## GINNIE MAE GUARANTY

The Government National Mortgage Association ("Ginnie Mae"), a wholly-owned corporate instrumentality of the United States of America within HUD, guarantees the timely payment of principal and interest on the Securities. The General Counsel of HUD has provided an opinion to the effect that Ginnie Mae has the authority to guarantee multiclass securities and that Ginnie Mae guaranties will constitute general obligations of the United States, for which the full faith and credit of the United States is pledged. See "Ginnie Mae Guaranty" in the Base Offering Circular.

## DESCRIPTION OF THE SECURITIES

## General

The description of the Securities contained in this Supplement is not complete and is subject to, and is qualified in its entirety by reference to, all of the provisions of the Trust Agreement. See "Description of the Securities" in the Base Offering Circular.

## Form of Securities

Each Class of Securities other than the Residual Securities initially will be issued and maintained, and may be transferred only on the Fedwire Book-Entry System. Beneficial Owners of Book-Entry Securities will ordinarily hold these Securities through one or more financial intermediaries, such as banks, brokerage firms and securities clearing organizations that are eligible to maintain book-entry accounts on the Fedwire Book-Entry System. By request accompanied by the payment of a transfer fee of $\$ 25,000$ per Certificated Security to be issued, a Beneficial Owner may receive a Regular Security in certificated form.

The Residual Securities will not be issued in book-entry form but will be issued in fully registered, certificated form and may be transferred or exchanged, subject to the transfer restrictions applicable to Residual Securities set forth in the Trust Agreement, at the Corporate Trust Office of the Trustee. See "Description of the Securities - Forms of Securities; Book-Entry Procedures" in the Base Offering Circular.

Each Class (other than the Increased Minimum Denomination Classes) will be issued in minimum dollar denominations of initial principal balance of $\$ 1,000$ and integral multiples of $\$ 1$ in excess of $\$ 1,000$. The Increased Minimum Denomination Classes will be issued in minimum denominations that equal $\$ 100,000$ in initial principal or notional balance.

## Distributions

Distributions on the Securities will be made on each Distribution Date as specified under "Terms Sheet - Distribution Dates" in this Supplement. On each Distribution Date for a Security, or in the case of the Certificated Securities, on the first Business Day after the related Distribution Date, the Distribution Amount will be distributed to the Holders of record as of the close of business on the last Business Day of the calendar month immediately preceding the month in which the Distribution Date occurs. Beneficial Owners of Book-Entry Securities will receive distributions through credits to accounts maintained for their benefit on the books and records of the appropriate financial intermediaries. Holders of Certificated Securities will receive distributions by check or, subject to the restrictions set forth in the Base Offering Circular, by wire transfer. See "Description of the Securities - Distributions" and "- Method of Distributions" in the Base Offering Circular.

## Interest Distributions

The Interest Distribution Amount will be distributed on each Distribution Date to the Holders of all Classes of Securities entitled to distributions of interest.

- Interest will be calculated on the basis of a 360-day year consisting of twelve 30-day months.
- Interest distributable on any Class for any Distribution Date will consist of 30 days' interest on its Class Principal Balance (or Class Notional Balance) as of the related Record Date.
- Investors can calculate the amount of interest to be distributed on each Class of Securities for any Distribution Date by using the Class Factors published in the preceding month. See "-Class Factors" below.


## Categories of Classes and Components

For purposes of interest distributions, the Classes will be categorized as shown under "Interest Type" on the inside cover page of this Supplement and on Schedule I to this Supplement, and Components will be categorized as shown above under "Terms Sheet Component Classes" in this Supplement. The abbreviations used on the inside cover page, in the Terms Sheet and on Schedule I to this Supplement are explained under "Class Types" in Appendix I to the Base Offering Circular.

## Accrual Periods

The Accrual Period for each Class is set forth in the table below:

## Class

Fixed Rate Classes and Classes IW and IX

Group 1, 5 and 6
Floating Rate and
Inverse Floating Rate Classes

## Accrual Period

The calendar month preceding the related Distribution Date

From the 16th day of the month preceding the month of the related Distribution Date through the 15 th day of the month of that Distribution Date

## Fixed Rate Classes

Each Fixed Rate Class will bear interest at the per annum Interest Rate shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

## Floating Rate and Inverse Floating Rate Classes

The Floating Rate and Inverse Floating Rate Classes will bear interest as shown under "Terms Sheet - Interest Rates" in this Supplement. The Interest Rates for the Floating Rate and Inverse Floating Rate Classes will be based on LIBOR. LIBOR will be determined based on the BBA LIBOR method, as described under "Description of the Securities - Interest Rate Indices - Determination of LIBOR - BBA LIBOR Method" in the Base Offering Circular.

For information regarding the manner in which the Trustee determines LIBOR and calculates the Interest Rates for the Floating Rate and Inverse Floating Rate Classes, see "Description of the Securities - Interest Rate Indices - Determination of LIBOR" in the Base Offering Circular.

The Trustee's determination of LIBOR and its calculation of the Interest Rates will be final, except in the case of clear error. Investors can obtain LIBOR levels and Interest Rates for the current and preceding Accrual Periods from Ginnie Mae's Multiclass Securities e-Access located on Ginnie Mae's website ("e-Access") or by calling the Information Agent at (800) 234-GNMA.

## Accrual Classes

Each of Class XZ, ZA, ZB and ZC is an Accrual Class. Interest will accrue on the Accrual Classes and be distributed as described under "Terms Sheet - Accrual Classes" in this Supplement.

## Principal Distributions

The Principal Distribution Amount or the Adjusted Principal Distribution Amount for each Group, as applicable, and the XZ, ZA, ZB and ZC Accrual Amounts will be distributed to the Holders entitled thereto as described under "Terms Sheet - Allocation of Principal" in this Supplement. Investors can calculate the amount of principal to be distributed with respect to any Distribution Date by using the Class Factors published in the preceding and current months. See "- Class Factors" below.

## Categories of Classes and Components

For purposes of principal distributions, the Classes will be categorized as shown under "Principal Type" on the inside cover page of this Supplement and on Schedule I to this Supplement, and Components will be categorized as shown above under "Terms Sheet Component Classes" in this Supplement. The abbreviations used on the inside cover page, in the Terms Sheet and on Schedule I to this Supplement are explained under "Class Types" in Appendix I to the Base Offering Circular.

## Component Class

Class ED is a Component Class and has Components with the designations and characteristics shown under "Terms Sheet - Component Classes" in this Supplement. Components will not be separately issued or transferable.

## Notional Classes

The Notional Classes will not receive principal distributions. For convenience in describing interest distributions, the Notional Classes will have the original Class Notional Balances shown on the inside cover page of this Supplement and on Schedule I to this Supplement. The Class Notional Balances will be reduced as shown under "Terms Sheet - Notional Classes" in this Supplement.

## Residual Securities

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Issuing REMIC and the beneficial ownership of the Residual Interest in the Pooling REMIC, as described under "Certain Federal Income Tax Consequences" in the Base Offering Circular. The Class RR Securities have no Class Principal Balance and do not accrue interest. The Class RR Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the Trust REMICs after the Class Principal Balance of each Class of Regular Securities has been reduced to zero. However, any remaining proceeds are not likely to be significant. The Residual Securities may not be transferred to a Plan Investor, a Non-U.S. Person or a Disqualified Organization.

## Class Factors

The Trustee will calculate and make available for each Class of Securities, no later than the day preceding the applicable Distribution Date, the factor (carried out to eight decimal places) that when multiplied by the Original Class Principal Balance (or original Class Notional Balance) of that Class, determines the Class Principal Balance (or Class Notional Balance) after giving effect to the distribution of principal to be made on the Securities (and any addition to the Class Principal Balance of an Accrual Class) or any reduction of Class Notional Balance on that Distribution Date (each, a "Class Factor").

- The Class Factor for any Class of Securities for the month following the issuance of the Securities will reflect its remaining Class Principal Balance (or Class Notional Balance) after giving effect to any principal distribution (or addition to principal) to be made or any reduction of Class Notional Balance on the Distribution Date occurring in that month.
- The Class Factor for each Class for the month of issuance is 1.00000000 .
- The Class Factors for the MX Classes and the Classes of REMIC Securities that are exchangeable for the MX Classes will be calculated assuming that the maximum possible amount of each Class is outstanding at all times, regardless of any exchanges that may occur.
- Based on the Class Factors published in the preceding and current months (and Interest Rates), investors in any Class (other than an Accrual Class) can calculate the amount of principal and interest to be distributed to that Class, and investors in an Accrual Class can calculate the total amount of principal to be distributed to (or interest to be added to the Class Principal Balance of) that Class on the Distribution Date in the current month.
- Investors may obtain current Class Factors on e-Access.

See "Description of the Securities - Distributions" in the Base Offering Circular.

## Trading

For the sole purpose of facilitating trading and settlement, Classes EA and EC will be treated as non-delay classes.

## Termination

The Trustee, at its option, may purchase or cause the sale of the Trust Assets and thereby terminate the Trust on any Distribution Date on which the aggregate of the Class Principal Balances of the Securities is less than $1 \%$ of the aggregate Original Class Principal Balances of the Securities. The Trustee will terminate the Trust and retire the Securities on any Distribution Date upon the Trustee's determination that the REMIC status of either Trust REMIC has been lost or that a substantial risk exists that this status will be lost for the then current taxable year.

Upon any termination of the Trust, the Holder of any outstanding Security (other than a Residual or Notional Class Security) will be entitled to receive that Holder's allocable share of the Class Principal Balance of that Class plus any accrued and unpaid interest thereon at the applicable Interest Rate, and any Holder of any outstanding Notional Class Security will be entitled to receive that Holder's allocable share of any accrued and unpaid interest thereon at the applicable Interest Rate. The Residual Holders will be entitled to their pro rata share of any assets remaining in the Trust REMICs after payment in full of the amounts described in the foregoing sentence. However, any remaining assets are not likely to be significant.

## Modification and Exchange

All or a portion of the Classes of REMIC Securities specified on the inside cover page may be exchanged for a proportionate interest in the related MX Class or Classes shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class or Classes may be exchanged for proportionate interests in the related Class or Classes of REMIC Securities and, in the case of Combinations $7,8,9,10,14,15$ and 16 , other related MX Classes. This process may occur repeatedly.

Each exchange may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered.

In the case of Combinations $7,8,9,10,14,15$ and 16 , the related classes of REMIC Securities may be exchanged for proportionate interests in various subcombinations of MX Classes. Similarly, all or a portion of these MX Classes may be exchanged for proportionate interests in the related REMIC Securities or in other subcombinations of the MX Classes. Each subcombination may be effected only in proportions that result in the principal and interest entitlements of the Securities received being equal to the entitlements of the Securities surrendered. See the example under "Description of the Securities - Modification and Exchange" in the Base Offering Circular.

A Beneficial Owner proposing to effect an exchange must notify the Trustee through the Beneficial Owner's Book-Entry Depository participant. This notice must be received by the Trustee not later than two Business Days before the proposed exchange date. The exchange date can be any Business Day other than the last Business Day of the month. The notice must contain the outstanding principal balance of the Securities to be included in the exchange and the proposed exchange date. The notice is required to be delivered to the Trustee in writing at its Corporate Trust Office at Wells Fargo Bank, N.A., 45 Broadway, 12th Floor, New York, New York 10006, Attention: Trust Administrator 2004-039. The Trustee may be contacted by telephone at (212) 515-5262 and by fax at (212) 509-1042.

A fee will be payable to the Trustee in connection with each exchange equal to $1 / 32$ of $1 \%$ of the outstanding principal balance (or notional balance) of the Securities surrendered for exchange (but not less than $\$ 2,000$ or more than $\$ 25,000$ ) ; provided, however that no fee will be payable in respect of an interest only security, unless all securities involved in the exchange are interest only securities. If the notional balance of the interest only securities surrendered exceeds that of the interest only securities received, the fee will be based on the latter. The fee must be paid concurrently with the exchange.

The first distribution on a REMIC Security or an MX Security received in an exchange will be made on the Distribution Date in the month following the month of the exchange. The distribution will be made to the Holder of record as of the Record Date in the month of exchange.

See "Description of the Securities - Modification and Exchange" in the Base Offering Circular.

## YIELD, MATURITY AND PREPAYMENT CONSIDERATIONS

## General

The prepayment experience of the Mortgage Loans underlying the Trust Assets will affect the Weighted Average Lives of and the yields realized by investors in the related Securities.

- The Mortgage Loans do not contain "due-on-sale" provisions, and any Mortgage Loan may be prepaid in full or in part at any time without penalty.
- The rate of payments (including prepayments and payments in respect of liquidations) on the Mortgage Loans is dependent on a variety of economic, geographic, social and other factors, including prevailing market interest rates and general economic factors.

The rate of prepayments with respect to single-family mortgage loans has fluctuated significantly in recent years. Although there is no assurance that prepayment patterns for the Mortgage Loans will conform to patterns for more traditional types of conventional fixed-rate mortgage loans, generally:

- if mortgage interest rates fall materially below the Mortgage Rates on any of the Mortgage Loans (giving consideration to the cost of refinancing), the rate of prepayment of those Mortgage Loans would be expected to increase; and
- if mortgage interest rates rise materially above the Mortgage Rates on any of the Mortgage Loans, the rate of prepayment of those Mortgage Loans would be expected to decrease.

In addition, following any Mortgage Loan default and the subsequent liquidation of the underlying Mortgaged Property, the principal balance of the Mortgage Loan will be distributed through a combination of liquidation proceeds, advances from the related Ginnie Mae Issuer and, to the extent necessary, proceeds of Ginnie Mae's guaranty of the Ginnie Mae Certificates. As a result, defaults experienced on the Mortgage Loans will accelerate the distribution of principal of the Securities.

Under certain circumstances, the Trustee has the option to purchase the Trust Assets, thereby effecting early retirement of the Securities. See "Description of the Securities Termination'" in this Supplement.

Investors in the Group 3, 4, 7, 8, 9, 10, 11, 12 and 13 Securities are urged to review the discussion under "Risk Factors - The rate of payments on the underlying certificates will directly affect the rate of payments on the group $3,4,7,8,9,10,11,12$ and 13 securities" in this Supplement.

## Accretion Directed Classes

Classes AB, AH, EA, EC, FA, FB, JX and XF are Accretion Directed Classes. The related Accrual Amount will be applied to making principal distributions on those Classes as described in this Supplement. Classes UA, UB, UC, UD, XI and XS are Notional Classes whose Class Notional Balances are determined by reference to the Class Principal Balance of certain Accretion Directed Classes.

Each Accretion Directed Class has the AD designation in the suffix position, rather than the prefix position, in its class principal type because it does not have principal payment stability through the applicable pricing prepayment assumption. Although they are entitled to receive payments from the related Accrual Amounts, they do not have principal payment stability through any prepayment rate significantly higher than 0\% PSA.

## Securities that Receive Principal on the Basis of Schedules

As described in this Supplement, each PAC and Scheduled Class will receive principal payments in accordance with a schedule calculated on the basis of, among other things, a Structuring Range. See "Terms Sheet - Scheduled Principal Balances." However, whether any such Class will adhere to its schedule and receive "Scheduled Payments" on a Distribution Date will largely depend on the level of prepayments experienced by the related Mortgage Loans.

Each PAC and Scheduled Class exhibits an Effective Range of constant prepayment rates at which such Class will receive Scheduled Payments. That range may differ from the Structuring Range used to create the related principal balance schedule. Based on the Modeling Assumptions, the initial Effective Ranges for the PAC and Scheduled Classes are as follows:

## PAC I Classes

Initial Effective Range
EL, LA, LB, LC, LD, LE and LH (in the aggregate)

## PAC II Class

## Initial Effective Range

JX
$131 \%$ PSA through $262 \%$ PSA

## Scheduled Classes

Initial Effective Ranges
EA and FA (in the aggregate) ....................... 189\% PSA through 253\% PSA EC and FB (in the aggregate) ........................ 189\% PSA through 253\% PSA

- The principal payment stability of the PAC I Classes will be supported by the related PAC II and Support Classes and Components.
- The principal payment stability of the PAC II Class will be supported by the related Support Classes and Components.
- The principal payment stability of the Scheduled Classes will be supported by the related Support Classes.
If all of the Classes and Components supporting a given Class are retired before the Class being supported is retired, the outstanding Class will no longer have an Effective Range and will become more sensitive to prepayments on the related Mortgage Loans.

There is no assurance that the related Mortgage Loans will have the characteristics assumed in the Modeling Assumptions, which were used to determine the initial Effective Ranges. If the initial Effective Ranges were calculated using the actual characteristics of the related Mortgage Loans, the initial Effective Ranges could differ from those shown in the above tables. Therefore, even if the Mortgage Loans were to prepay at a constant rate within the initial Effective Range shown for any Class in the above tables, that Class could fail to receive Scheduled Payments.

Moreover, the Mortgage Loans will not prepay at any constant rate. Non-constant prepayment rates can cause any PAC or Scheduled Class not to receive Scheduled Payments, even if prepayment rates remain within the initial Effective Range for that Class. Further, the Effective Range for any PAC or Scheduled Class can narrow, shift over time or cease to exist depending on the actual characteristics of the related Mortgage Loans.

If the related Mortgage Loans prepay at rates that are generally below the Effective Range for any PAC or Scheduled Class, the amount available to pay principal on the Securities may be insufficient to produce Scheduled Payments on such related PAC or Scheduled Class, if any, and its Weighted Average Life may be extended, perhaps significantly.

If the related Mortgage Loans prepay at rates that are generally above the Effective Range for any PAC or Scheduled Class, its supporting Classes and Components may be retired earlier than that PAC or Scheduled Class, and its Weighted Average Life may be shortened, perhaps significantly.

## Assumability

Each Mortgage Loan may be assumed, subject to HUD review and approval, upon the sale of the related Mortgaged Property. See "Yield, Maturity and Prepayment Considerations Assumability of Government Loans" in the Base Offering Circular.

## Final Distribution Date

The Final Distribution Date for each Class, which is set forth on the inside cover page of this Supplement or on Schedule I to this Supplement, is the latest date on which the related Class Principal Balance or Class Notional Balance will be reduced to zero.

- The actual retirement of any Class may occur earlier than its Final Distribution Date.
- According to the terms of the Ginnie Mae Guaranty, Ginnie Mae will guarantee payment in full of the Class Principal Balance of each Class of Securities no later than its Final Distribution Date.


## Modeling Assumptions

Unless otherwise indicated, the tables that follow have been prepared on the basis of the characteristics of the Underlying Certificates, the priorities of distributions on the Underlying Certificates and the following assumptions (the "Modeling Assumptions"), among others:

1. The Mortgage Loans underlying the Group 1, 2, 5 and 6 Trust Assets have the assumed characteristics shown under "Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 5 and 6 Trust Assets" in the Terms Sheet, except in the case of information set forth under the $0 \%$ PSA Prepayment Assumption Rate, for which each Mortgage Loan underlying a Group 1, 2, 5 and 6 Trust Asset is assumed to have an original and a remaining term to maturity of 360 months, and each Mortgage Loan underlying a Group 2 Trust Asset is assumed to have a Mortgage Rate of $1.50 \%$ per annum higher than the related Certificate Rate.
2. The Mortgage Loans prepay at the constant percentages of PSA (described below) shown in the related table.
3. Distributions on the Group 1, 5 and 6 Securities are always received on the 16 th day of the month, distributions on the Group 4 and 12 Securities are always received on the 17 th day of the month and distributions on the Groups $2,3,7,8,9,10,11$ and 13 Securities are always received on the 20th day of the month, in each case, whether or not a Business Day, commencing in June 2004.
4. A termination of the Trust or the Underlying Trusts does not occur.
5. The Closing Date for the Securities is May 28, 2004.
6. No expenses or fees are paid by the Trust other than the Trustee Fee.
7. Distributions on the Underlying Certificates are made as described in the related Underlying Certificate Disclosure Documents.
8. Each Class is held from the Closing Date and is not exchanged in whole or in part.

When reading the tables and the related text, investors should bear in mind that the Modeling Assumptions, like any other stated assumptions, are unlikely to be entirely consistent with actual experience.

- For example, most of the Mortgage Loans will not have the characteristics assumed, many Distribution Dates will occur on a Business Day after the 16 th, 17 th or 20 th day of the month, as applicable, and the Trustee may cause a termination of the Trust as described under "Description of the Securities - Termination" in this Supplement.
- In addition, distributions on the Securities are based on Certificate Factors and Calculated Certificate Factors, if applicable, which may not reflect actual receipts on the Trust Assets.

See "Description of the Securities - Distributions" in the Base Offering Circular.

## Decrement Tables

Prepayments of mortgage loans are commonly measured by a prepayment standard or model. The model used in this Supplement ("PSA") is the standard prepayment assumption model of The Bond Market Association. PSA represents an assumed rate of prepayment each month relative to the then outstanding principal balance of the Mortgage Loans to which the model is applied. See "Yield, Maturity and Prepayment Considerations - Standard Prepayment Assumption Models" in the Base Offering Circular.

The decrement tables set forth below are based on the assumption that the Mortgage Loans prepay at the indicated percentages of PSA (the "PSA Prepayment Assumption Rates"). As used in the table, each of the PSA Prepayment Assumption Rates reflects a percentage of the $100 \%$ PSA assumed prepayment rate. The Mortgage Loans will not prepay at any of the PSA Prepayment Assumption Rates and the timing of changes in the rate of prepayments actually experienced on the Mortgage Loans will not follow the pattern described for the PSA assumption.

The decrement tables set forth below illustrate the percentage of the Original Class Principal Balance (or, in the case of a Notional Class, the original Class Notional Balance) that would remain outstanding following the distribution made each specified month for each Regular or MX Class, based on the assumption that the related Mortgage Loans prepay at the PSA Prepayment Assumption Rates. The percentages set forth in the following decrement tables have been rounded to the nearest whole percentage (including rounding down to zero).

The decrement tables also indicate the Weighted Average Life of each Class under each PSA Prepayment Assumption Rate. The Weighted Average Life of each Class is calculated by:
(a) multiplying the net reduction, if any, of the Class Principal Balance (or the net reduction of the Class Notional Balance, in the case of any Notional Class) from one Distribution Date to the next Distribution Date by the number of years from the date of issuance thereof to the related Distribution Date,
(b) summing the results, and
(c) dividing the sum by the aggregate amount of the assumed net reductions in principal balance or notional amount, as applicable, referred to in clause (a).

The information shown for each Notional Class is for illustrative purposes only, as a Notional Class is not entitled to distributions of principal and has no weighted average life. The weighted average life shown for each Notional Class has been calculated on the assumption that a reduction in the Class Notional Balance thereof is a distribution of principal.

The Weighted Average Lives are likely to vary, perhaps significantly, from those set forth in the tables below due to the differences between the actual characteristics of the Mortgage Loans underlying the related Trust Assets and the Modeling Assumptions.

# Percentages of Original Class Principal (or Class Notional) Balances and Weighted Average Lives 

| $\underline{\text { Distribution Date }}$ | Security Group 1PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes EA, FA, SA, SB, SC, SD, SE, UA and UB |  |  |  |  | Class ZA |  |  |  |  |
|  | 0\% | 100\% | 225\% | 350\% | 500\% | 0\% | 100\% | 225\% | 350\% | 500\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 98 | 96 | 94 | 94 | 94 | 106 | 106 | 93 | 58 | 17 |
| May 2006 | 96 | 89 | 83 | 82 | 72 | 113 | 113 | 81 | 0 | 0 |
| May 2007 | 94 | 81 | 71 | 64 | 50 | 120 | 120 | 68 | 0 | 0 |
| May 2008 | 92 | 74 | 60 | 50 | 34 | 127 | 127 | 60 | 0 | 0 |
| May 2009 | 90 | 67 | 51 | 39 | 24 | 135 | 135 | 55 | 0 | 0 |
| May 2010 | 87 | 60 | 43 | 30 | 16 | 143 | 143 | 52 | 0 | 0 |
| May 2011 | 85 | 53 | 36 | 23 | 11 | 152 | 152 | 50 | 0 | 0 |
| May 2012 | 82 | 47 | 30 | 18 | 8 | 161 | 161 | 49 | 0 | 0 |
| May 2013 | 79 | 41 | 25 | 14 | 5 | 171 | 171 | 47 | 0 | 0 |
| May 2014 | 76 | 36 | 20 | 11 | 4 | 182 | 182 | 44 | 0 | 0 |
| May 2015 | 73 | 30 | 17 | 8 | 2 | 193 | 193 | 41 | 0 | 0 |
| May 2016 | 69 | 25 | 14 | 6 | 2 | 205 | 205 | 37 | 0 | 0 |
| May 2017 | 65 | 20 | 11 | 5 | 1 | 218 | 218 | 34 | 0 | 0 |
| May 2018 | 61 | 15 | 9 | 4 | 1 | 231 | 231 | 30 | 0 | 0 |
| May 2019 | 57 | 10 | 8 | 3 | 1 | 245 | 245 | 27 | 0 | 0 |
| May 2020 | 52 | 6 | 6 | 2 | 0 | 261 | 255 | 24 | 0 | 0 |
| May 2021 | 48 | 5 | 5 | 2 | 0 | 277 | 234 | 20 | 0 | 0 |
| May 2022 | 42 | 4 | 4 | 1 | 0 | 294 | 213 | 18 | 0 | 0 |
| May 2023 | 37 | 3 | 3 | 1 | 0 | 312 | 192 | 15 | 0 | 0 |
| May 2024 | 31 | 3 | 3 | 1 | 0 | 331 | 171 | 13 | 0 | 0 |
| May 2025 | 25 | 2 | 2 | 0 | 0 | 351 | 150 | 11 | 0 | 0 |
| May 2026 | 18 | 2 | 2 | 0 | 0 | 373 | 130 | 9 | 0 | 0 |
| May 2027 | 11 | 1 | 1 | 0 | 0 | 396 | 110 | 7 | 0 | 0 |
| May 2028 | 3 | 1 | 1 | 0 | 0 | 421 | 91 | 5 | 0 | 0 |
| May 2029 | 1 | 1 | 1 | 0 | 0 | 384 | 73 | 4 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 318 | 55 | 3 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 247 | 38 | 2 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 | 170 | 22 | 1 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 | 88 | 6 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |
| Life (years) ... | 15.2 | 8.2 | 6.5 | 5.1 | 3.7 | 27.4 | 22.2 | 9.5 | 1.1 | 0.7 |


| Distribution Date | Security Groups 1 and 5 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class ZD |  |  |  |  |
|  | 0\% | 100\% | 225\% | 350\% | 500\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 106 | 106 | 93 | 58 | 17 |
| May 2006 | 113 | 113 | 81 | 0 | 0 |
| May 2007 | 120 | 120 | 68 | 0 | 0 |
| May 2008 | 127 | 127 | 60 | 0 | 0 |
| May 2009 | 135 | 135 | 55 | 0 | 0 |
| May 2010 | 143 | 143 | 52 | 0 | 0 |
| May 2011 | 152 | 152 | 50 | 0 | 0 |
| May 2012 | 161 | 161 | 49 | 0 | 0 |
| May 2013 | 171 | 171 | 47 | 0 | 0 |
| May 2014 | 182 | 182 | 44 | 0 | 0 |
| May 2015 | 193 | 193 | 41 | 0 | 0 |
| May 2016 | 205 | 205 | 37 | 0 | 0 |
| May 2017 | 218 | 218 | 34 | 0 | 0 |
| May 2018 | 231 | 231 | 30 | 0 | 0 |
| May 2019 | 245 | 245 | 27 | 0 | 0 |
| May 2020 | 261 | 255 | 24 | 0 | 0 |
| May 2021 | 277 | 234 | 20 | 0 | 0 |
| May 2022 | 294 | 213 | 18 | 0 | 0 |
| May 2023 | 312 | 192 | 15 | 0 | 0 |
| May 2024 | 331 | 171 | 13 | 0 | 0 |
| May 2025 | 351 | 150 | 11 | 0 | 0 |
| May 2026 | 373 | 130 | 9 | 0 | 0 |
| May 2027 | 396 | 110 | 7 | 0 | 0 |
| May 2028 | 421 | 91 | 5 | 0 | 0 |
| May 2029 | 384 | 73 | 4 | 0 | 0 |
| May 2030 | 318 | 55 | 3 | 0 | 0 |
| May 2031 | 247 | 38 | 2 | 0 | 0 |
| May 2032 | 170 | 22 | 1 | 0 | 0 |
| May 2033 | 88 | 6 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) .. | 27.4 | 22.2 | 9.5 | 1.1 | 0.7 |

Security Group 2
PSA Prepayment Assumption Rates


PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class AG |  |  |  |  | Class AH |  |  |  |  | Class AK |  |  |  |  | Class AL |  |  |  |  |
|  | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 99 | 69 | 23 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 88 | 0 | 0 | 100 | 100 | 100 | 32 | 0 | 100 | 100 | 100 | 100 | 0 |
| May 2007 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 47 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2008 | 100 | 100 | 100 | 3 | 0 | 100 | 100 | 15 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2009 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 92 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2010 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 77 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2011 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 58 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2012 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 44 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2013 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 36 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2014 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 26 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2015 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 13 | 0 | 0 | 100 | 100 | 100 | 0 | 0 |
| May 2016 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 97 | 0 | 0 |
| May 2017 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 49 | 0 | 0 |
| May 2018 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2019 | 100 | 100 | 100 | 0 | 0 | 100 | 98 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2020 | 100 | 100 | 100 | 0 | 0 | 100 | 96 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2021 | 100 | 100 | 100 | 0 | 0 | 100 | 79 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2022 | 100 | 100 | 100 | 0 | 0 | 100 | 41 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2023 | 100 | 100 | 100 | 0 | 0 | 100 | 4 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2024 | 100 | 100 | 100 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 70 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2025 | 100 | 100 | 100 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 38 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2026 | 100 | 100 | 95 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 6 | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 0 |
| May 2027 | 100 | 100 | 78 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 22 | 0 | 0 | 0 |
| May 2028 | 100 | 100 | 62 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2029 | 100 | 100 | 47 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2030 | 100 | 100 | 34 | 0 | 0 | 99 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2031 | 100 | 100 | 23 | 0 | 0 | 92 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2032 | 100 | 59 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2033 | 100 | 17 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) | 29.8 | 28.2 | 25.1 | 3.7 | 2.4 | 27.6 | 17.7 | 3.0 | 1.2 | 0.8 | 28.3 | 20.6 | 8.0 | 1.9 | 1.4 | 28.8 | 22.7 | 13.0 | 2.3 | 1.7 |

Security Group 2
PSA Prepayment Assumption Rates

| Distribution Date | Class AM |  |  |  |  | Class ED |  |  |  |  | Classes EL, IL and LW |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 100 | 78 | 41 | 100 | 100 | 100 | 100 | 100 |
| May 2007 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 34 | 0 | 100 | 100 | 100 | 100 | 100 |
| May 2008 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 100 | 1 | 0 | 100 | 100 | 100 | 100 | 100 |
| May 2009 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 97 | 0 | 0 | 100 | 100 | 100 | 100 | 100 |
| May 2010 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 92 | 0 | 0 | 100 | 100 | 100 | 100 | 100 |
| May 2011 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 86 | 0 | 0 | 100 | 100 | 100 | 100 | 100 |
| May 2012 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 82 | 0 | 0 | 100 | 100 | 100 | 100 | 100 |
| May 2013 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 79 | 0 | 0 | 100 | 100 | 100 | 100 | 100 |
| May 2014 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 76 | 0 | 0 | 100 | 100 | 100 | 100 | 93 |
| May 2015 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 71 | 0 | 0 | 100 | 100 | 100 | 100 | 75 |
| May 2016 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 67 | 0 | 0 | 100 | 100 | 100 | 100 | 55 |
| May 2017 | 100 | 100 | 100 | 0 | 0 | 100 | 100 | 62 | 0 | 0 | 100 | 100 | 100 | 92 | 40 |
| May 2018 | 100 | 100 | 99 | 0 | 0 | 100 | 100 | 57 | 0 | 0 | 100 | 100 | 100 | 80 | 30 |
| May 2019 | 100 | 100 | 65 | 0 | 0 | 100 | 100 | 52 | 0 | 0 | 100 | 94 | 94 | 63 | 22 |
| May 2020 | 100 | 100 | 32 | 0 | 0 | 100 | 100 | 47 | 0 | 0 | 100 | 84 | 84 | 49 | 16 |
| May 2021 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 42 | 0 | 0 | 100 | 68 | 68 | 38 | 11 |
| May 2022 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 37 | 0 | 0 | 100 | 54 | 54 | 29 | 8 |
| May 2023 | 100 | 100 | 0 | 0 | 0 | 100 | 100 | 32 | 0 | 0 | 100 | 43 | 43 | 23 | 6 |
| May 2024 | 100 | 100 | 0 | 0 | 0 | 100 | 90 | 28 | 0 | 0 | 100 | 34 | 34 | 17 | 4 |
| May 2025 | 100 | 100 | 0 | 0 | 0 | 100 | 79 | 23 | 0 | 0 | 100 | 27 | 27 | 13 | 3 |
| May 2026 | 100 | 100 | 0 | 0 | 0 | 100 | 69 | 19 | 0 | 0 | 100 | 21 | 21 | 10 | 2 |
| May 2027 | 100 | 100 | 0 | 0 | 0 | 100 | 59 | 16 | 0 | 0 | 100 | 16 | 16 | 7 | 1 |
| May 2028 | 100 | 51 | 0 | 0 | 0 | 100 | 50 | 13 | 0 | 0 | 99 | 11 | 11 | 5 | 1 |
| May 2029 | 100 | 0 | 0 | 0 | 0 | 100 | 40 | 10 | 0 | 0 | 33 | 8 | 8 | 3 | 1 |
| May 2030 | 100 | 0 | 0 | 0 | 0 | 100 | 31 | 7 | 0 | 0 | 6 | 6 | 6 | 2 | 0 |
| May 2031 | 100 | 0 | 0 | 0 | 0 | 100 | 21 | 5 | 0 | 0 | 3 | 3 | 3 | 1 | 0 |
| May 2032 | 100 | 0 | 0 | 0 | 0 | 98 | 12 | 3 | 0 | 0 | 2 | 2 | 2 | 1 | 0 |
| May 2033 | 71 | 0 | 0 | 0 | 0 | 53 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) .. | 29.1 | 24.0 | 15.5 | 2.6 | 1.9 | 29.0 | 24.1 | 15.6 | 2.7 | 1.9 | 24.9 | 19.2 | 19.2 | 16.9 | 13.2 |


| $\underline{\text { Distribution Date }}$ | PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes IA, KA, KB, KC, KD, KE and LA |  |  |  |  | Classes IB, KG, KH, KJ, KL, KM and LB |  |  |  |  | Classes IC, LC, MG, MH and MJ |  |  |  |  | Classes IJ, LJ, MA, MB, MC, |  |  |  |  |
|  | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 93 | 63 | 63 | 63 | 63 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 97 | 86 | 86 | 86 | 86 |
| May 2007 | 85 | 17 | 17 | 17 | 10 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 94 | 68 | 68 | 68 | 66 |
| May 2008 | 76 | 0 | 0 | 0 | 0 | 100 | 47 | 47 | 47 | 0 | 100 | 100 | 100 | 100 | 69 | 91 | 51 | 51 | 51 | 29 |
| May 2009 | 67 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 84 | 84 | 72 | 2 | 87 | 35 | 35 | 30 | 1 |
| May 2010 | 57 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 48 | 48 | 20 | 0 | 83 | 20 | 20 | 8 | 0 |
| May 2011 | 46 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 14 | 14 | 0 | 0 | 79 | 6 | 6 | 0 | 0 |
| May 2012 | 35 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 |
| May 2013 | 22 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 0 |
| May 2014 | 9 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 65 | 0 | 0 | 0 | 0 |
| May 2015 | 0 | 0 | 0 | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 59 | 0 | 0 | 0 | 0 |
| May 2016 | 0 | 0 | 0 | 0 | 0 | 61 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 0 |
| May 2017 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 47 | 0 | 0 | 0 | 0 |
| May 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 |
| May 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 81 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 |
| May 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 |
| May 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 6.4 | 2.3 | 2.3 | 2.3 | 2.3 | 12.3 | 4.0 | 4.0 | 4.0 | 3.4 | 16.5 | 6.0 | 6.0 | 5.4 | 4.3 | 11.8 | 4.2 | 4.2 | 3.9 | 3.3 |

Security Group 2
SA Prepayment Assumption Rate

| $\underline{\text { Distribution Date }}$ | Classes IK, KN, KT, KU, KV, KW and LK |  |  |  |  | $\begin{gathered} \hline \text { Classes IM, LM, LN, LT, LU, } \\ \text { LV and LX } \end{gathered}$ |  |  |  |  | $\begin{gathered} \text { Classes JA, JB, JC, JD, JI } \\ \text { and JX } \end{gathered}$ |  |  |  |  | Class LD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | $\underline{400 \%}$ | 0\% | 100\% | 175\% | 300\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 89 | 68 | 62 | 62 | 62 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 95 | 76 | 76 | 76 | 76 | 94 | 69 | 69 | 69 | 69 | 88 | 63 | 46 | 46 | 46 | 100 | 100 | 100 | 100 | 100 |
| May 2007 | 90 | 45 | 45 | 45 | 41 | 87 | 29 | 29 | 29 | 24 | 86 | 62 | 31 | 31 | 0 | 100 | 100 | 100 | 100 | 100 |
| May 2008 | 84 | 16 | 16 | 16 | 0 | 80 | 7 | 7 | 7 | 0 | 85 | 60 | 19 | 19 | 0 | 100 | 100 | 100 | 100 | 100 |
| May 2009 | 78 | 0 | 0 | 0 | 0 | 72 | 0 | 0 | 0 | 0 | 84 | 59 | 9 | 0 | 0 | 100 | 100 | 100 | 100 | 100 |
| May 2010 | 72 | 0 | 0 | 0 | 0 | 63 | 0 | 0 | 0 | 0 | 82 | 58 | 2 | 0 | 0 | 100 | 100 | 100 | 100 | 0 |
| May 2011 | 65 | 0 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 81 | 56 | 0 | 0 | 0 | 100 | 100 | 100 | 32 | 0 |
| May 2012 | 57 | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 79 | 54 | 0 | 0 | 0 | 100 | 47 | 47 | 0 | 0 |
| May 2013 | 49 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 78 | 52 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2014 | 40 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 76 | 47 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2015 | 31 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 74 | 38 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2016 | 21 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 72 | 26 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2017 | 10 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 70 | 12 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2018 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2019 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 63 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 91 | 0 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) ... | 8.4 | 2.9 | 2.9 | 2.9 | 2.6 | 7.3 | 2.5 | 2.5 | 2.5 | 2.4 | 17.3 | 7.1 | 2.2 | 2.1 | 1.7 | 19.6 | 8.0 | 8.0 | 6.9 | 5.4 |

PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | Class LE |  |  |  |  | Class LH |  |  |  |  | Class ZB |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% | 0\% | 100\% | 175\% | 300\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 106 | 106 | 60 | 0 | 0 |
| May 2006 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 112 | 112 | 0 | 0 | 0 |
| May 2007 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 118 | 118 | 0 | 0 | 0 |
| May 2008 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 125 | 125 | 0 | 0 | 0 |
| May 2009 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 132 | 132 | 0 | 0 | 0 |
| May 2010 | 100 | 100 | 100 | 100 | 87 | 100 | 100 | 100 | 100 | 100 | 139 | 139 | 0 | 0 | 0 |
| May 2011 | 100 | 100 | 100 | 100 | 53 | 100 | 100 | 100 | 100 | 100 | 147 | 147 | 0 | 0 | 0 |
| May 2012 | 100 | 100 | 100 | 79 | 27 | 100 | 100 | 100 | 100 | 100 | 155 | 155 | 0 | 0 | 0 |
| May 2013 | 100 | 87 | 87 | 54 | 8 | 100 | 100 | 100 | 100 | 100 | 164 | 164 | 0 | 0 | 0 |
| May 2014 | 100 | 64 | 64 | 34 | 0 | 100 | 100 | 100 | 100 | 54 | 173 | 173 | 0 | 0 | 0 |
| May 2015 | 100 | 45 | 45 | 18 | 0 | 100 | 100 | 100 | 100 | 0 | 183 | 183 | 0 | 0 | 0 |
| May 2016 | 100 | 29 | 29 | 5 | 0 | 100 | 100 | 100 | 100 | 0 | 193 | 193 | 0 | 0 | 0 |
| May 2017 | 100 | 16 | 16 | 0 | 0 | 100 | 100 | 100 | 52 | 0 | 204 | 204 | 0 | 0 | 0 |
| May 2018 | 100 | 4 | 4 | 0 | 0 | 100 | 100 | 100 | 0 | 0 | 216 | 195 | 0 | 0 | 0 |
| May 2019 | 100 | 0 | 0 | 0 | 0 | 100 | 61 | 61 | 0 | 0 | 228 | 122 | 0 | 0 | 0 |
| May 2020 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 241 | 45 | 0 | 0 | 0 |
| May 2021 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 254 | 0 | 0 | 0 | 0 |
| May 2022 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 269 | 0 | 0 | 0 | 0 |
| May 2023 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 284 | 0 | 0 | 0 | 0 |
| May 2024 | 100 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 0 |
| May 2025 | 81 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 317 | 0 | 0 | 0 | 0 |
| May 2026 | 56 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 334 | 0 | 0 | 0 | 0 |
| May 2027 | 28 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 | 353 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 | 91 | 0 | 0 | 0 | 0 | 373 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 394 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 383 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) | 22.2 | 11.0 | 11.0 | 9.4 | 7.3 | 24.2 | 15.2 | 15.2 | 13.1 | 10.1 | 26.6 | 15.2 | 1.1 | 0.4 | 0.3 |

Security Group 3
PSA Prepayment Assumption Rates


Security Group 4
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class IY |  |  |  |  |
|  | 0\% | 75\% | 150\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 99 | 99 | 98 | 97 |
| May 2006 | 99 | 98 | 97 | 95 | 93 |
| May 2007 | 99 | 94 | 68 | 65 | 33 |
| May 2008 | 99 | 58 | 25 | 22 | 1 |
| May 2009 | 98 | 24 | 6 | 2 | 0 |
| May 2010 | 98 | 8 | 4 | 1 | 0 |
| May 2011 | 97 | 7 | 3 | 0 | 0 |
| May 2012 | 92 | 6 | 2 | 0 | 0 |
| May 2013 | 77 | 5 | 1 | 0 | 0 |
| May 2014 | 60 | 4 | 0 | 0 | 0 |
| May 2015 | 43 | 3 | 0 | 0 | 0 |
| May 2016 | 25 | 2 | 0 | 0 | 0 |
| May 2017 | 8 | 1 | 0 | 0 | 0 |
| May 2018 | 7 | 1 | 0 | 0 | 0 |
| May 2019 | 7 | 0 | 0 | 0 | 0 |
| May 2020 | 6 | 0 | 0 | 0 | 0 |
| May 2021 | 5 | 0 | 0 | 0 | 0 |
| May 2022 | 4 | 0 | 0 | 0 | 0 |
| May 2023 | 3 | 0 | 0 | 0 | 0 |
| May 2024 | 2 | 0 | 0 | 0 | 0 |
| May 2025 | 1 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 10.8 | 4.6 | 3.5 | 3.3 | 2.8 |


| $\underline{\text { Distribution Date }}$ | Security Groups 4 and 12 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class IW |  |  |  |  |
|  | 0\% | 75\% | 150\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 98 | 95 | 93 | 93 | 93 |
| May 2006 | 96 | 88 | 82 | 82 | 82 |
| May 2007 | 94 | 80 | 67 | 67 | 61 |
| May 2008 | 92 | 68 | 50 | 50 | 41 |
| May 2009 | 89 | 56 | 38 | 38 | 29 |
| May 2010 | 86 | 47 | 30 | 29 | 20 |
| May 2011 | 84 | 41 | 22 | 21 | 13 |
| May 2012 | 80 | 35 | 15 | 15 | 8 |
| May 2013 | 74 | 29 | 10 | 10 | 4 |
| May 2014 | 68 | 24 | 6 | 6 | 1 |
| May 2015 | 62 | 18 | 2 | 2 | 0 |
| May 2016 | 56 | 13 | 0 | 0 | 0 |
| May 2017 | 49 | 8 | 0 | 0 | 0 |
| May 2018 | 45 | 3 | 0 | 0 | 0 |
| May 2019 | 40 | 0 | 0 | 0 | 0 |
| May 2020 | 36 | 0 | 0 | 0 | 0 |
| May 2021 | 31 | 0 | 0 | 0 | 0 |
| May 2022 | 25 | 0 | 0 | 0 | 0 |
| May 2023 | 20 | 0 | 0 | 0 | 0 |
| May 2024 | 14 | 0 | 0 | 0 | 0 |
| May 2025 | 7 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 13.0 | 6.5 | 4.7 | 4.6 | 4.0 |

Security Group 5
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | Classes EC, FB, QA, QB, QC, QD, QE, UC and UD |  |  |  |  | Class ZC |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 225\% | 350\% | 500\% | 0\% | 100\% | 225\% | 350\% | 500\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 98 | 96 | 94 | 94 | 94 | 106 | 106 | 93 | 58 | 17 |
| May 2006 | 96 | 89 | 83 | 82 | 72 | 113 | 113 | 81 | 0 | 0 |
| May 2007 | 94 | 81 | 71 | 64 | 50 | 120 | 120 | 68 | 0 | 0 |
| May 2008 | 92 | 74 | 60 | 50 | 34 | 127 | 127 | 60 | 0 | 0 |
| May 2009 | 90 | 67 | 51 | 39 | 24 | 135 | 135 | 55 | 0 | 0 |
| May 2010 | 87 | 60 | 43 | 30 | 16 | 143 | 143 | 52 | 0 | 0 |
| May 2011 | 85 | 53 | 36 | 23 | 11 | 152 | 152 | 50 | 0 | 0 |
| May 2012 | 82 | 47 | 30 | 18 | 8 | 161 | 161 | 49 | 0 | 0 |
| May 2013 | 79 | 41 | 25 | 14 | 5 | 171 | 171 | 47 | 0 | 0 |
| May 2014 | 76 | 36 | 20 | 11 | 4 | 182 | 182 | 44 | 0 | 0 |
| May 2015 | 73 | 30 | 17 | 8 | 2 | 193 | 193 | 41 | 0 | 0 |
| May 2016 | 69 | 25 | 14 | 6 | 2 | 205 | 205 | 37 | 0 | 0 |
| May 2017 | 65 | 20 | 11 | 5 | 1 | 218 | 218 | 34 | 0 | 0 |
| May 2018 | 61 | 15 | 9 | 4 | 1 | 231 | 231 | 30 | 0 | 0 |
| May 2019 | 57 | 10 | 8 | 3 | 1 | 245 | 245 | 27 | 0 | 0 |
| May 2020 | 52 | 6 | 6 | 2 | 0 | 261 | 255 | 24 | 0 | 0 |
| May 2021 | 48 | 5 | 5 | 2 | 0 | 277 | 234 | 20 | 0 | 0 |
| May 2022 | 42 | 4 | 4 | 1 | 0 | 294 | 213 | 18 | 0 | 0 |
| May 2023 | 37 | 3 | 3 | 1 | 0 | 312 | 192 | 15 | 0 | 0 |
| May 2024 | 31 | 3 | 3 | 1 | 0 | 331 | 171 | 13 | 0 | 0 |
| May 2025 | 25 | 2 | 2 | 0 | 0 | 351 | 150 | 11 | 0 | 0 |
| May 2026 | 18 | 2 | 2 | 0 | 0 | 373 | 130 | 9 | 0 | 0 |
| May 2027 | 11 | 1 | 1 | 0 | 0 | 396 | 110 | 7 | 0 | 0 |
| May 2028 | 3 | 1 | 1 | 0 | 0 | 421 | 91 | 5 | 0 | 0 |
| May 2029 | 1 | 1 | 1 | 0 | 0 | 384 | 73 | 4 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 | 318 | 55 | 3 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 | 247 | 38 | 2 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 | 170 | 22 | 1 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 | 88 | 6 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |
| Life (years) ... | 15.2 | 8.2 | 6.5 | 5.1 | 3.7 | 27.4 | 22.2 | 9.5 | 1.1 | 0.7 |


| Distribution Date | Security Group 6 <br> PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes QX, XF, XI and XS |  |  |  |  | Class XZ |  |  |  |  |
|  | 0\% | 125\% | 251\% | 400\% | 550\% | 0\% | 125\% | 251\% | 400\% | 550\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 99 | 91 | 83 | 74 | 66 | 108 | 108 | 108 | 108 | 108 |
| May 2006 | 98 | 82 | 69 | 55 | 43 | 117 | 117 | 117 | 117 | 117 |
| May 2007 | 97 | 74 | 57 | 41 | 28 | 127 | 127 | 127 | 127 | 127 |
| May 2008 | 96 | 67 | 47 | 30 | 18 | 138 | 138 | 138 | 138 | 138 |
| May 2009 | 95 | 60 | 39 | 22 | 11 | 149 | 149 | 149 | 149 | 149 |
| May 2010 | 94 | 54 | 32 | 16 | 7 | 161 | 161 | 161 | 161 | 161 |
| May 2011 | 93 | 48 | 26 | 11 | 4 | 175 | 175 | 175 | 175 | 175 |
| May 2012 | 91 | 42 | 21 | 8 | 2 | 189 | 189 | 189 | 189 | 189 |
| May 2013 | 90 | 37 | 17 | 5 | 1 | 205 | 205 | 205 | 205 | 205 |
| May 2014 | 88 | 32 | 13 | 4 | 0 | 222 | 222 | 222 | 222 | 222 |
| May 2015 | 86 | 28 | 10 | 2 | 0 | 240 | 240 | 240 | 240 | 160 |
| May 2016 | 84 | 24 | 8 | 1 | 0 | 260 | 260 | 260 | 260 | 100 |
| May 2017 | 82 | 20 | 6 | 0 | 0 | 282 | 282 | 282 | 282 | 62 |
| May 2018 | 79 | 16 | 4 | 0 | 0 | 305 | 305 | 305 | 218 | 37 |
| May 2019 | 77 | 13 | 2 | 0 | 0 | 331 | 331 | 331 | 147 | 22 |
| May 2020 | 74 | 10 | 1 | 0 | 0 | 358 | 358 | 358 | 96 | 13 |
| May 2021 | 71 | 7 | 0 | 0 | 0 | 388 | 388 | 388 | 61 | 7 |
| May 2022 | 67 | 4 | 0 | 0 | 0 | 420 | 420 | 262 | 35 | 4 |
| May 2023 | 64 | 2 | 0 | 0 | 0 | 455 | 455 | 150 | 18 | 2 |
| May 2024 | 60 | 0 | 0 | 0 | 0 | 493 | 332 | 60 | 7 | 1 |
| May 2025 | 55 | 0 | 0 | 0 | 0 | 534 | 0 | 0 | 0 | 0 |
| May 2026 | 51 | 0 | 0 | 0 | 0 | 578 | 0 | 0 | 0 | 0 |
| May 2027 | 46 | 0 | 0 | 0 | 0 | 626 | 0 | 0 | 0 | 0 |
| May 2028 | 40 | 0 | 0 | 0 | 0 | 678 | 0 | 0 | 0 | 0 |
| May 2029 | 34 | 0 | 0 | 0 | 0 | 734 | 0 | 0 | 0 | 0 |
| May 2030 | 27 | 0 | 0 | 0 | 0 | 795 | 0 | 0 | 0 | 0 |
| May 2031 | 20 | 0 | 0 | 0 | 0 | 861 | 0 | 0 | 0 | 0 |
| May 2032 | 12 | 0 | 0 | 0 | 0 | 932 | 0 | 0 | 0 | 0 |
| May 2033 | 4 | 0 | 0 | 0 | 0 | 1010 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) | 20.2 | 7.6 | 4.8 | 3.2 | 2.3 | 29.7 | 20.2 | 18.7 | 15.5 | 12.3 |


| Distribution Date | Security Group 7 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class ID |  |  |  |  |
|  | 0\% | 75\% | 150\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 85 | 60 | 50 | 50 | 50 |
| May 2006 | 68 | 33 | 31 | 31 | 31 |
| May 2007 | 51 | 28 | 25 | 25 | 25 |
| May 2008 | 34 | 22 | 20 | 20 | 20 |
| May 2009 | 32 | 20 | 20 | 20 | 20 |
| May 2010 | 31 | 20 | 20 | 20 | 20 |
| May 2011 | 29 | 20 | 20 | 20 | 17 |
| May 2012 | 27 | 20 | 17 | 17 | 12 |
| May 2013 | 25 | 20 | 12 | 12 | 8 |
| May 2014 | 23 | 20 | 9 | 9 | 5 |
| May 2015 | 20 | 19 | 6 | 6 | 3 |
| May 2016 | 20 | 14 | 4 | 4 | 2 |
| May 2017 | 20 | 9 | 3 | 3 | 1 |
| May 2018 | 20 | 5 | 1 | 1 | 0 |
| May 2019 | 20 | 0 | 0 | 0 | 0 |
| May 2020 | 20 | 0 | 0 | 0 | 0 |
| May 2021 | 20 | 0 | 0 | 0 | 0 |
| May 2022 | 20 | 0 | 0 | 0 | 0 |
| May 2023 | 20 | 0 | 0 | 0 | 0 |
| May 2024 | 19 | 0 | 0 | 0 | 0 |
| May 2025 | 13 | 0 | 0 | 0 | 0 |
| May 2026 | 7 | 0 | 0 | 0 | 0 |
| May 2027 | 1 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 6.8 | 3.6 | 2.9 | 2.9 | 2.6 |


| Distribution Date | Security Groups 7, 8, 9, 10, 11 and 13 PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class IX |  |  |  |  |
|  | 0\% | 75\% | 150\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 96 | 87 | 80 | 77 | 75 |
| May 2006 | 92 | 74 | 61 | 50 | 34 |
| May 2007 | 87 | 64 | 44 | 32 | 21 |
| May 2008 | 82 | 52 | 31 | 23 | 15 |
| May 2009 | 78 | 43 | 24 | 16 | 10 |
| May 2010 | 74 | 34 | 17 | 11 | 8 |
| May 2011 | 70 | 27 | 14 | 9 | 5 |
| May 2012 | 65 | 21 | 11 | 8 | 3 |
| May 2013 | 61 | 18 | 9 | 6 | 2 |
| May 2014 | 56 | 15 | 6 | 4 | 1 |
| May 2015 | 51 | 13 | 4 | 3 | 0 |
| May 2016 | 45 | 11 | 2 | 2 | 0 |
| May 2017 | 40 | 9 | 1 | 1 | 0 |
| May 2018 | 34 | 7 | 0 | 0 | 0 |
| May 2019 | 28 | 5 | 0 | 0 | 0 |
| May 2020 | 22 | 3 | 0 | 0 | 0 |
| May 2021 | 18 | 2 | 0 | 0 | 0 |
| May 2022 | 15 | 2 | 0 | 0 | 0 |
| May 2023 | 12 | 1 | 0 | 0 | 0 |
| May 2024 | 9 | 0 | 0 | 0 | 0 |
| May 2025 | 8 | 0 | 0 | 0 | 0 |
| May 2026 | 7 | 0 | 0 | 0 | 0 |
| May 2027 | 4 | 0 | 0 | 0 | 0 |
| May 2028 | 2 | 0 | 0 | 0 | 0 |
| May 2029 | 1 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) ... | 11.1 | 5.4 | 3.5 | 2.9 | 2.2 |


| $\underline{\text { Distribution Date }}$ | Security Group 8 PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class IE |  |  |  |  |
|  | 0\% | 75\% | 150\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 99 | 97 | 94 | 91 | 86 |
| May 2006 | 98 | 93 | 88 | 63 | 27 |
| May 2007 | 97 | 89 | 55 | 28 | 5 |
| May 2008 | 96 | 77 | 32 | 14 | 0 |
| May 2009 | 95 | 57 | 21 | 4 | 0 |
| May 2010 | 94 | 38 | 12 | 1 | 0 |
| May 2011 | 92 | 30 | 5 | 0 | 0 |
| May 2012 | 91 | 23 | 3 | 0 | 0 |
| May 2013 | 90 | 17 | 2 | 0 | 0 |
| May 2014 | 88 | 11 | 0 | 0 | 0 |
| May 2015 | 79 | 6 | 0 | 0 | 0 |
| May 2016 | 68 | 4 | 0 | 0 | 0 |
| May 2017 | 56 | 3 | 0 | 0 | 0 |
| May 2018 | 44 | 2 | 0 | 0 | 0 |
| May 2019 | 35 | 1 | 0 | 0 | 0 |
| May 2020 | 29 | 0 | 0 | 0 | 0 |
| May 2021 | 24 | 0 | 0 | 0 | 0 |
| May 2022 | 18 | 0 | 0 | 0 | 0 |
| May 2023 | 12 | 0 | 0 | 0 | 0 |
| May 2024 | 6 | 0 | 0 | 0 | 0 |
| May 2025 | 4 | 0 | 0 | 0 | 0 |
| May 2026 | 2 | 0 | 0 | 0 | 0 |
| May 2027 | 1 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) . | 13.7 | 6.0 | 3.6 | 2.5 | 1.7 |


| Distribution Date | Security Group 9 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class IH |  |  |  |  |
|  | 0\% | 75\% | 150\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 96 | 88 | 80 | 79 | 79 |
| May 2006 | 92 | 72 | 55 | 51 | 33 |
| May 2007 | 88 | 58 | 38 | 32 | 19 |
| May 2008 | 83 | 48 | 22 | 19 | 10 |
| May 2009 | 78 | 38 | 12 | 12 | 0 |
| May 2010 | 73 | 27 | 1 | 1 | 0 |
| May 2011 | 67 | 9 | 0 | 0 | 0 |
| May 2012 | 62 | 0 | 0 | 0 | 0 |
| May 2013 | 58 | 0 | 0 | 0 | 0 |
| May 2014 | 54 | 0 | 0 | 0 | 0 |
| May 2015 | 49 | 0 | 0 | 0 | 0 |
| May 2016 | 44 | 0 | 0 | 0 | 0 |
| May 2017 | 38 | 0 | 0 | 0 | 0 |
| May 2018 | 32 | 0 | 0 | 0 | 0 |
| May 2019 | 19 | 0 | 0 | 0 | 0 |
| May 2020 | 7 | 0 | 0 | 0 | 0 |
| May 2021 | 0 | 0 | 0 | 0 | 0 |
| May 2022 | 0 | 0 | 0 | 0 | 0 |
| May 2023 | 0 | 0 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 9.9 | 3.9 | 2.6 | 2.4 | 1.9 |


| Distribution Date | Security Group 10 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class IG |  |  |  |  |
|  | 0\% | 75\% | 150\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 100 | 100 | 100 | 100 | 100 |
| May 2006 | 100 | 100 | 100 | 100 | 100 |
| May 2007 | 100 | 100 | 100 | 100 | 100 |
| May 2008 | 100 | 100 | 100 | 100 | 100 |
| May 2009 | 100 | 100 | 100 | 100 | 98 |
| May 2010 | 100 | 100 | 100 | 100 | 67 |
| May 2011 | 100 | 100 | 100 | 99 | 44 |
| May 2012 | 100 | 100 | 98 | 86 | 26 |
| May 2013 | 100 | 100 | 82 | 66 | 13 |
| May 2014 | 100 | 100 | 61 | 49 | 3 |
| May 2015 | 100 | 99 | 43 | 34 | 0 |
| May 2016 | 100 | 98 | 27 | 22 | 0 |
| May 2017 | 100 | 96 | 12 | 13 | 0 |
| May 2018 | 100 | 83 | 2 | , | 0 |
| May 2019 | 100 | 67 | 0 | 0 | 0 |
| May 2020 | 100 | 53 | 0 | 0 | 0 |
| May 2021 | 100 | 39 | 0 | 0 | 0 |
| May 2022 | 100 | 25 | 0 | 0 | 0 |
| May 2023 | 100 | 12 | 0 | 0 | 0 |
| May 2024 | 100 | 0 | 0 | 0 | 0 |
| May 2025 | 98 | 0 | 0 | 0 | 0 |
| May 2026 | 91 | 0 | 0 | 0 | 0 |
| May 2027 | 67 | 0 | 0 | 0 | 0 |
| May 2028 | 42 | 0 | 0 | 0 | 0 |
| May 2029 | 15 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 23.6 | 16.3 | 10.8 | 10.2 | 7.0 |


| Distribution Date | Security Group 11 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class IN |  |  |  |  |
|  | 0\% | 75\% | 150\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 98 | 94 | 91 | 87 | 82 |
| May 2006 | 95 | 87 | 79 | 69 | 59 |
| May 2007 | 92 | 80 | 68 | 54 | 40 |
| May 2008 | 89 | 72 | 58 | 41 | 25 |
| May 2009 | 86 | 65 | 48 | 29 | 16 |
| May 2010 | 83 | 59 | 39 | 19 | 10 |
| May 2011 | 79 | 52 | 31 | 11 | 6 |
| May 2012 | 75 | 45 | 23 | 6 | 4 |
| May 2013 | 71 | 39 | 16 | 3 | 2 |
| May 2014 | 67 | 33 | 10 | 2 | 1 |
| May 2015 | 63 | 26 | 4 | 0 | 0 |
| May 2016 | 58 | 20 | 3 | 0 | 0 |
| May 2017 | 53 | 14 | 2 | 0 | 0 |
| May 2018 | 47 | 8 | 1 | 0 | 0 |
| May 2019 | 42 | 5 | 0 | 0 | 0 |
| May 2020 | 36 | 4 | 0 | 0 | 0 |
| May 2021 | 29 | 3 | 0 | 0 | 0 |
| May 2022 | 22 | 2 | 0 | 0 | 0 |
| May 2023 | 15 | 1 | 0 | 0 | 0 |
| May 2024 | 7 | 0 | 0 | 0 | 0 |
| May 2025 | 5 | 0 | 0 | 0 | 0 |
| May 2026 | 4 | 0 | 0 | 0 | 0 |
| May 2027 | 2 | 0 | 0 | 0 | 0 |
| May 2028 | 1 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) ... | 12.7 | 7.6 | 5.2 | 3.7 | 3.0 |


| Distribution Date | Security Group 12 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class IO |  |  |  |  |
|  | 0\% | 75\% | 150\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 98 | 94 | 92 | 92 | 92 |
| May 2006 | 95 | 86 | 79 | 79 | 79 |
| May 2007 | 93 | 78 | 67 | 67 | 67 |
| May 2008 | 90 | 70 | 55 | 55 | 49 |
| May 2009 | 87 | 62 | 45 | 45 | 34 |
| May 2010 | 84 | 55 | 35 | 35 | 24 |
| May 2011 | 81 | 48 | 26 | 25 | 16 |
| May 2012 | 78 | 41 | 18 | 18 | 9 |
| May 2013 | 74 | 34 | 12 | 12 | 5 |
| May 2014 | 70 | 28 | 7 | 7 | 1 |
| May 2015 | 66 | 21 | 3 | 3 | 0 |
| May 2016 | 62 | 15 | 0 | 0 | 0 |
| May 2017 | 57 | 9 | 0 | 0 | 0 |
| May 2018 | 52 | 3 | 0 | 0 | 0 |
| May 2019 | 47 | 0 | 0 | 0 | 0 |
| May 2020 | 42 | 0 | 0 | 0 | 0 |
| May 2021 | 36 | 0 | 0 | 0 | 0 |
| May 2022 | 30 | 0 | 0 | 0 | 0 |
| May 2023 | 23 | 0 | 0 | 0 | 0 |
| May 2024 | 16 | 0 | 0 | 0 | 0 |
| May 2025 | 8 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 |
| May 2033 .... | 0 | 0 | 0 | 0 | 0 |
| May 2034 .... | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) . | 13.4 | 6.9 | 4.9 | 4.9 | 4.3 |


| Distribution Date | Security Group 13 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class IV |  |  |  |  |
|  | 0\% | 75\% | 150\% | 250\% | 400\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| May 2005 | 94 | 80 | 65 | 59 | 58 |
| May 2006 | 88 | 60 | 33 | 21 | 19 |
| May 2007 | 82 | 41 | 20 | 16 | 13 |
| May 2008 | 75 | 22 | 16 | 12 | 9 |
| May 2009 | 68 | 19 | 13 | 8 | 6 |
| May 2010 | 60 | 17 | 10 | 5 | 4 |
| May 2011 | 51 | 14 | 7 | 4 | 3 |
| May 2012 | 42 | 12 | 5 | 3 | 2 |
| May 2013 | 33 | 9 | 3 | 2 | 1 |
| May 2014 | 23 | 7 | 1 | 1 | 1 |
| May 2015 | 17 | 5 | 1 | 1 | 0 |
| May 2016 | 15 | 4 | 0 | 0 | 0 |
| May 2017 | 13 | 2 | 0 | 0 | 0 |
| May 2018 | 10 | 1 | 0 | 0 | 0 |
| May 2019 | 9 | 0 | 0 | 0 | 0 |
| May 2020 | 7 | 0 | 0 | 0 | 0 |
| May 2021 | 5 | 0 | 0 | 0 | 0 |
| May 2022 | 3 | 0 | 0 | 0 | 0 |
| May 2023 | 1 | 0 | 0 | 0 | 0 |
| May 2024 | 0 | 0 | 0 | 0 | 0 |
| May 2025 | 0 | 0 | 0 | 0 | 0 |
| May 2026 | 0 | 0 | 0 | 0 | 0 |
| May 2027 | 0 | 0 | 0 | 0 | 0 |
| May 2028 | 0 | 0 | 0 | 0 | 0 |
| May 2029 | 0 | 0 | 0 | 0 | 0 |
| May 2030 | 0 | 0 | 0 | 0 | 0 |
| May 2031 | 0 | 0 | 0 | 0 | 0 |
| May 2032 | 0 | 0 | 0 | 0 | 0 |
| May 2033 | 0 | 0 | 0 | 0 | 0 |
| May 2034 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) | 7.5 | 3.5 | 2.2 | 1.8 | 1.7 |

## Yield Considerations

An investor seeking to maximize yield should make a decision whether to invest in any Class based on the anticipated yield of that Class resulting from its purchase price, the investor's own projection of Mortgage Loan prepayment rates under a variety of scenarios, in the case of the Group 3, 4, 7, 8, 9, 10, 11, 12 and 13 Securities, the investor's own projection of payment rates on the Underlying Certificates under a variety of scenarios, and, in the case of a Floating Rate or an Inverse Floating Rate Class, the investor's own projection of levels of LIBOR under a variety of scenarios. No representation is made regarding Mortgage Loan prepayment rates, Underlying Certificate payment rates, LIBOR levels or the yield of any Class.

## Prepayments: Effect on Yields

The yields to investors will be sensitive in varying degrees to the rate of prepayments on the related Mortgage Loans.

- In the case of Regular Securities or MX Securities purchased at a premium (especially Interest Only Classes), faster than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.
- Investors in the Interest Only Classes should also consider the risk that rapid rates of principal payments could result in the failure of investors to recover fully their investments.
- In the case of Regular Securities or MX Securities purchased at a discount (especially Principal Only Classes), slower than anticipated rates of principal payments could result in actual yields to investors that are lower than the anticipated yields.

See "Risk Factors - Rates of principal payments can reduce your yield" in this Supplement.

Rapid rates of prepayments on the Mortgage Loans are likely to coincide with periods of low prevailing interest rates.

During periods of low prevailing interest rates, the yields at which an investor may be able to reinvest amounts received as principal payments on the investor's Class of Securities may be lower than the yield on that Class.

Slow rates of prepayments on the Mortgage Loans are likely to coincide with periods of high prevailing interest rates.

During periods of high prevailing interest rates, the amount of principal payments available to an investor for reinvestment at those high rates may be relatively low.

The Mortgage Loans will not prepay at any constant rate until maturity, nor will all of the Mortgage Loans underlying any Trust Asset Group prepay at the same rate at any one time. The timing of changes in the rate of prepayments may affect the actual yield to an investor, even if the average rate of principal prepayments is consistent with the investor's expectation. In general, the earlier a prepayment of principal on the Mortgage Loans, the greater the effect on an investor's yield. As a result, the effect on an investor's yield of principal prepayments occurring at a rate higher (or lower) than the rate anticipated by the investor during the period immediately following the Closing Date is not likely to be offset by a later equivalent reduction (or increase) in the rate of principal prepayments.

## LIBOR: Effect on Yields of the Floating Rate and Inverse Floating Rate Classes

Low levels of LIBOR can reduce the yield of the Floating Rate Classes. High levels of LIBOR can significantly reduce the yield of the Inverse Floating Rate Classes. In addition, the Floating Rate Classes will not benefit from a higher yield at high levels of LIBOR and certain Inverse Floating Rate Classes may not benefit from particularly low levels of LIBOR because the rate on such Classes is capped at a maximum rate described under "Terms Sheet - Interest Rates."

## Payment Delay: Effect on Yields of the Fixed Rate Classes and Delay Classes

The effective yield on any Fixed Rate or Delay Class will be less than the yield otherwise produced by its Interest Rate and purchase price because, on each Distribution Date, 30 days' interest will be payable on (or added to the principal amount of) that Class even though interest began to accrue approximately 46,47 or 50 days earlier, as applicable.

## Yield Tables

The following tables show the pre-tax yields to maturity on a corporate bond equivalent basis of specified Classes at various constant percentages of PSA and, in the case of the Inverse Floating Rate Classes, at various constant levels of LIBOR.

The Mortgage Loans will not prepay at any constant rate until maturity, and it is unlikely that LIBOR will remain constant. Moreover, it is likely that the Mortgage Loans will experience actual prepayment rates that differ from those of the Modeling Assumptions. Therefore, the actual pre-tax yield of any Class may differ from those shown in the applicable table below for that Class even if the Class is purchased at the assumed price shown.

The yields were calculated by

1. determining the monthly discount rates that, when applied to the applicable assumed streams of cash flows to be paid on the applicable Class, would cause the discounted present value of the assumed streams of cash flows to equal the assumed purchase price of that Class plus accrued interest (in the case of interest-bearing Classes), and
2. converting the monthly rates to corporate bond equivalent rates.

These calculations do not take into account variations that may occur in the interest rates at which investors may be able to reinvest funds received by them as distributions on their Securities and consequently do not purport to reflect the return on any investment in any Class when those reinvestment rates are considered.

The information set forth in the following tables was prepared on the basis of the Modeling Assumptions and the assumptions that (1) the Interest Rate applicable to each Inverse Floating Rate Class for each Accrual Period following the first Accrual Period will be based on the indicated level of LIBOR and (2) the purchase price of each Class (expressed as a percentage of its original Class Principal Balance or Class Notional Balance) plus accrued interest (in the case of the interest-bearing Classes) is as indicated in the related table. The assumed purchase price is not necessarily that at which actual sales will occur.

## SECURITY GROUP 1

Sensitivity of Class EA to Prepayments Assumed Price 69.5\%

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\mathbf{1 0 0 \%}$ | $\underline{\mathbf{2 2 5} \%}$ | $\underline{\mathbf{3 5 0 \%}}$ | $\underline{\mathbf{5 0 0 \%}}$ |
| $\mathbf{4 . 9 \%}$ | $6.4 \%$ | $8.2 \%$ | $11.0 \%$ |

## Sensitivity of Class SA to Prepayments Assumed Price 88.5\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 15.0\% | 15.5\% | 16.0\% | 16.9\% |
| 1.1\% | 12.6\% | 13.2\% | 13.7\% | 14.6\% |
| 4.1\% | 5.8\% | 6.3\% | 6.9\% | 7.8\% |
| 6.0\% and above | 1.6\% | 2.1\% | 2.6\% | 3.6\% |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.


## Sensitivity of Class SB to Prepayments Assumed Price 13.5782\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 49.4\% | 44.5\% | 40.9\% | 33.5\% |
| 1.1\% | 40.5\% | 35.5\% | 31.6\% | 23.8\% |
| 4.1\% | 14.1\% | 9.2\% | 4.2\% | (4.7) \% |
|  | ** | ** | ** | ** |

Sensitivity of Class SC to Prepayments
Assumed Price 123.81248\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 22.2\% | 21.3\% | 20.5\% | 19.2\% |
| 1.1\% | 18.7\% | 17.8\% | 17.0\% | 15.7\% |
| 4.1\% | 8.3\% | 7.5\% | 6.7\% | 5.3\% |
| 7.2\% | (2.4) \% | (2.9) \% | (3.8) \% | (5.1) \% |

## Sensitivity of Class SD to Prepayments Assumed Price 107.5\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 22.3\% | 21.9\% | 21.7\% | 21.2\% |
| 1.1\% | 18.3\% | 18.0\% | 17.7\% | 17.2\% |
| 4.1\% | 6.5\% | 6.3\% | 6.0\% | 5.5\% |
| 6.0\% | (0.8) \% | (1.0) \% | (1.2) \% | (1.7) \% |

## Sensitivity of Class SE to Prepayments <br> Assumed Price 98.0\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 18.9\% | 19.0\% | 19.1\% | 19.2\% |
| 1.1\% | 15.7\% | 15.8\% | 15.8\% | 16.0\% |
| 4.1\% | 6.2\% | 6.3\% | 6.4\% | 6.6\% |
|  | 0.3\% | 0.4\% | 0.6\% | 0.7\% |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.
** Indicates that investors will suffer a loss of virtually all of their investment.


## Sensitivity of Class UA to Prepayments

Assumed Price 9.5\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 61.8\% | 56.9\% | 53.8\% | 46.7\% |
| 1.1\% | 48.8\% | 43.8\% | 40.3\% | 32.7\% |
| 4.1\% | 10.7\% | 5.9\% | 0.7\% | (8.2) \% |
| 6.0\% | ** | ** | ** | ** |

## Sensitivity of Class UB to Prepayments <br> Assumed Price 4.07812\%*

|  | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Libor | 100\% | 225\% | 350\% | 500\% |
| 6.0\% and below | 21.8\% | 16.7\% | 12.1\% | 3.5\% |
| 6.6\% | 3.6\% | (0.7) \% | (6.2)\% | (15.4)\% |
| 7.2\% and above | ** | ** | ** | ** |

## SECURITY GROUP 2

Sensitivity of Class ED to Prepayments
Assumed Price 46.5525\%

| PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: |
| 100\% | 175\% | 300\% | 400\% |
| 3.2\% | 5.4\% | 31.6\% | 46.2 |

Sensitivity of Class EL to Prepayments
Assumed Price 53.5\%

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\mathbf{1 0 0 \%}$ | $\underline{\mathbf{1 7 5 \%} \%}$ | $\underline{\mathbf{3 0 0} \%}$ | $\underline{\mathbf{4 0 0 \%}}$ |
| $\mathbf{3 . 3 \%}$ | $3.3 \%$ | $3.8 \%$ | $4.9 \%$ |

## Sensitivity of Class IA to Prepayments

Assumed Price 12.0\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | $\frac{\mathbf{1 7 5 \%}}{\mathbf{1 0 0 \%}}$ | $\underline{\mathbf{3 0 0 \%}}$ | $\underline{\mathbf{4 0 0} \%}$ | $\underline{\mathbf{4 2 1 \%}}$ |
| $\mathbf{1 . 9 \%}$ |  | $1.9 \%$ | $0.9 \%$ | $0.0 \%$ |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.
** Indicates that investors will suffer a loss of virtually all of their investment.


## Sensitivity of Class IB to Prepayments

 Assumed Price 20.0625\%*| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{1 0 0 \%}$ | $\frac{\mathbf{1 7 5 \%}}{3.7 \%}$ | $\underline{\mathbf{3 0 0 \%}}$ | $\underline{\mathbf{3 5 3 \%}}$ | $\underline{\mathbf{4 0 0 \%}}$ |
| $\mathbf{3 . 7 \%}$ | $3.7 \%$ | $0.1 \%$ | $(5.2) \%$ |  |

Sensitivity of Class IC to Prepayments Assumed Price 27.875\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 100\% | 175\% | 300\% | 323\% | 400\% |
| 5.3\% | 5.3\% | 2.3\% | 0.0\% | (7.6) \% |

Sensitivity of Class IJ to Prepayments
Assumed Price 20.1875\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{1 0 0 \%}$ | $\frac{\mathbf{1 7 5 \%}}{4.6 \%}$ | $\underline{\mathbf{3 0 0 \%}}$ | $\underline{\mathbf{3 3 3} \%}$ | $\underline{\mathbf{4 0 0 \%}}$ |
| $\mathbf{4 . 6 \%}$ |  | $2.5 \%$ | $0.0 \%$ | $(5.8) \%$ |

Sensitivity of Class IK to Prepayments
Assumed Price 14.78125\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{1 0 0 \%}$ | $\frac{\mathbf{1 7 5 \%}}{\mathbf{1 7 5}}$ | $\underline{\mathbf{3 0 0 \%}}$ | $\underline{\mathbf{3 6 6 \%}}$ | $\underline{\mathbf{4 0 0 \%}}$ |
| $2.9 \%$ | $2.9 \%$ | $2.9 \%$ | $0.0 \%$ | $(2.5) \%$ |

Sensitivity of Class IL to Prepayments Assumed Price 42.25215\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | $\frac{\mathbf{1 7 5 \%}}{\mathbf{1 0 0 \%}}$ | $\underline{\mathbf{3 0 0 \%}}$ | $\underline{\mathbf{4 0 0} \%}$ | $\underline{\mathbf{6 8 2 \%}}$ |
|  | $\mathbf{1 1 . 6 \%}$ | $\mathbf{1 0 . 9 \%}$ | $8.8 \%$ | $0.0 \%$ |

Sensitivity of Class IM to Prepayments Assumed Price 13.25\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{1 0 0 \%}$ | $\frac{\mathbf{1 7 5 \%}}{\mathbf{1 0 0}}$ | $\underline{\mathbf{3 0 0 \%}}$ | $\underline{\mathbf{3 8 1 \%}}$ | $\underline{\mathbf{4 0 0 \%}}$ |
| $2.3 \%$ | $2.3 \%$ | $2.3 \%$ | $0.0 \%$ | $(1.0) \%$ |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

Sensitivity of Class JI to Prepayments Assumed Price 16.25\%*

| PSA Prepayment Assumption Rates |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\frac{\mathbf{1 0 0 \%}}{20.0 \%}$ | $\frac{\mathbf{1 2 0 \%}}{1.2 \%}$ | $\frac{\mathbf{1 7 5 \%}}{(14.8) \%}$ | $\frac{\mathbf{3 0 0 \%}}{(20.5) \%}$ |  | $\frac{\mathbf{4 0 0 \%}}{(40.2) \%}$ |

## SECURITY GROUP 3

Sensitivity of Class EB to Prepayments
Assumed Price 46.0\%

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\mathbf{7 5 \%}$ | $\underline{\mathbf{1 5 0 \%}}$ | $\underline{\mathbf{2 5 0 \%}}$ | $\underline{\mathbf{4 0 0 \%}}$ |
| $3.3 \%$ | $5.6 \%$ | $27.2 \%$ | $58.4 \%$ |

## SECURITY GROUP 4

Sensitivity of Class IY to Prepayments
Assumed Price 14.81\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :--- | :--- | :--- | :--- |
| $\mathbf{7 5 \%}$ | $\underline{\mathbf{1 5 0 \%}}$ | $\underline{\mathbf{2 5 0 \%}}$ | $\underline{\mathbf{2 5 6 \%}}$ | $\underline{\mathbf{4 0 0 \%}}$ |
| $\mathbf{1 3 . 1 \%}$ | $3.0 \%$ | $0.1 \%$ | $0.0 \%$ | $(11.9) \%$ |

SECURITY GROUPS 4 AND 12
Sensitivity of Class IW to Prepayments
Assumed Price 18.19716\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{7 5 \%}$ | $\frac{\mathbf{1 5 0 \%}}{\mathbf{7 5 0}}$ | $\underline{\mathbf{2 5 0}}$ | $\underline{\mathbf{4 0 0} \%}$ | $\underline{\mathbf{4 8 7 \%}}$ |
| $\mathbf{1 8 . 3 \%}$ | $\mathbf{1 0 . 6 \%}$ | $\mathbf{1 0 . 4 \%}$ | $6.2 \%$ | $0.0 \%$ |

## SECURITY GROUP 5

Sensitivity of Class EC to Prepayments Assumed Price 71.46875\%

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\mathbf{1 0 0 \%}$ | $\underline{\mathbf{2 2 5} \%}$ | $\underline{\mathbf{3 5 0} \%}$ | $\underline{\mathbf{5 0 0 \%}}$ |
| $\mathbf{4 . 5 \%}$ | $5.9 \%$ | $7.5 \%$ | $\mathbf{1 0 . 0 \%}$ |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.


## Sensitivity of Class QA to Prepayments Assumed Price 89.21875\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 14.8\% | 15.3\% | 15.8\% | 16.6\% |
| 1.1\% | 12.5\% | 13.0\% | 13.5\% | 14.3\% |
| 4.1\% | 5.7\% | 6.2\% | 6.7\% | 7.5\% |
| 6.0\% and above | 1.5\% | 1.9\% | 2.5\% | 3.3\% |

## Sensitivity of Class QB to Prepayments Assumed Price 12.625\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 54.4\% | 49.5\% | 46.1\% | 38.8\% |
| 1.1\% | 44.7\% | 39.7\% | 36.0\% | 28.4\% |
| 4.1\% | 16.2\% | 11.3\% | 6.4\% | (2.4) \% |
| 7.2\% | ** | ** | ** | ** |

## Sensitivity of Class QC to Prepayments <br> Assumed Price 121.96875\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 22.7\% | 21.9\% | 21.1\% | 19.9\% |
| 1.1\% | 19.1\% | 18.3\% | 17.6\% | 16.3\% |
| 4.1\% | 8.6\% | 7.8\% | 7.1\% | 5.8\% |
| 7.2\% | (2.2) \% | (2.7) \% | (3.5) \% | (4.7) \% |

## Sensitivity of Class QD to Prepayments Assumed Price 106.96875\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 22.4\% | 22.1\% | 21.9\% | 21.4\% |
| 1.1\% | 18.4\% | 18.1\% | 17.9\% | 17.4\% |
| 4.1\% | 6.6\% | 6.4\% | 6.1\% | 5.7\% |
| 6.0\% | (0.7) \% | (0.9) \% | (1.1) \% | (1.5) \% |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.
** Indicates that investors will suffer a loss of virtually all of their investment.

Sensitivity of Class QE to Prepayments
Assumed Price 98.09375\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 18.9\% | 19.0\% | 19.0\% | 19.1\% |
| 1.1\% | 15.7\% | 15.7\% | 15.8\% | 15.9\% |
| 4.1\% | 6.2\% | 6.3\% | 6.4\% | 6.5\% |
| 6.0\% | 0.3\% | 0.4\% | 0.5\% | 0.7\% |

Sensitivity of Class UC to Prepayments Assumed Price 8.875\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 100\% | 225\% | 350\% | 500\% |
| 0.1\% | 67.4\% | 62.6\% | 59.6\% | 52.7\% |
| 1.1\% | 53.4\% | 48.4\% | 45.0\% | 37.7\% |
| 4.1\% | 12.5\% | 7.6\% | 2.5\% | (6.4) \% |
| 6.0\% | ** | ** | ** | ** |

## Sensitivity of Class UD to Prepayments

Assumed Price 3.75\%*
$\frac{\text { LIBOR }}{6.0 \%}$ and below . . . . . . . . . . .
$6.6 \% ~ . ~ . ~ . ~ . ~ . ~ . ~ . ~ . ~ . ~ . ~ . ~ . ~ . ~ . ~ . ~ . ~$

| PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: |
| 100\% | 225\% | 350\% | 500\% |
| 24.9\% | 19.8\% | 15.3\% | 6.9\% |
| 5.3\% | 0.9\% | (4.5) \% | (13.7) \% |
| ** | ** | ** | ** |

## SECURITY GROUP 6 <br> Sensitivity of Class QX to Prepayments <br> Assumed Price 11.75\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 125\% | 251\% | 400\% | 550\% |
| 0.10\% | 61.2\% | 50.5\% | 37.1\% | 22.6\% |
| 1.10\% | 51.0\% | 40.7\% | 27.7\% | 13.6\% |
| 4.10\% | 21.6\% | 12.2\% | 0.0\% | (13.5) \% |
| 7.25\% and above | (14.3) \% | (23.9) \% | (37.6) \% | (53.2) \% |

[^0]| Sensitivity of Class XI to Prepayments |
| :--- |
| Assumed Price $\mathbf{1 . 6 2 5 \%}$ * |
| PSA Prepayment Assumption Rates |
| $\frac{\mathbf{1 2 5 \%}}{20.4 \%}$ |

## Sensitivity of Class XS to Prepayments

 Assumed Price 10.125\%*| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 125\% | 251\% | 400\% | 550\% |
| 0.10\% | 68.1\% | 57.2\% | 43.5\% | 28.7\% |
| 1.10\% | 56.1\% | 45.6\% | 32.4\% | 18.1\% |
| 4.10\% | 21.7\% | 12.3\% | 0.2\% | (13.4) \% |
| 7.25\% | ** | ** | ** | ** |

## SECURITY GROUP 7

Sensitivity of Class ID to Prepayments
Assumed Price 10.1875\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | $\underline{\mathbf{1 5 0 \%}}$ | $\underline{\mathbf{2 5 0 \%}}$ | $\underline{\mathbf{4 0 0 \%}}$ | $\underline{\mathbf{5 4 7 \%}}$ |
| $\mathbf{1 3 . 8 \%}$ | $9.2 \%$ | $9.2 \%$ | $7.2 \%$ | $0.0 \%$ |

SECURITY GROUPS 7, 8, 9, 10, 11 AND 13
Sensitivity of Class IX to Prepayments
Assumed Price 12.21146\%*
PSA Prepayment Assumption Rates

| PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 75\% | 150\% | 250\% | 396\% | 400\% |
| 30.2\% | 18.1\% | 10.7\% | 0.1\% | (0.2) \% |

## SECURITY GROUP 8

Sensitivity of Class IE to Prepayments Assumed Price 11.71875\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 75\% | 150\% | 250\% | 294\% | 400\% |
| 40.9\% | 27.0\% | 9.6\% | 0.0\% | (23.4) \% |

* The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.
** Indicates that investors will suffer a loss of virtually all of their investment.


## SECURITY GROUP 9

Sensitivity of Class IH to Prepayments Assumed Price 9.98438\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{7 5 \%}$ | $\underline{\mathbf{1 5 0 \%}}$ | $\underline{\mathbf{2 5 0 \%}}$ | $\underline{\mathbf{4 0 0} \%}$ | $\underline{\mathbf{4 0 9 \%}}$ |
| $\mathbf{3 7 . 7 \%}$ | $\mathbf{2 0 . 5 \%}$ | $\mathbf{1 6 . 9 \%}$ | $1.4 \%$ | $0.1 \%$ |

## SECURITY GROUP 10

Sensitivity of Class IG to Prepayments
Assumed Price 32.15625\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| $\mathbf{7 5 \%}$ | $\underline{\mathbf{1 5 0 \%}}$ | $\underline{\mathbf{2 5 0 \%}}$ | $\underline{\mathbf{4 0 0} \%}$ | $\underline{\mathbf{4 7 3} \%}$ |
| $\mathbf{1 6 . 0 \%}$ | $\mathbf{1 2 . 6 \%}$ | $\mathbf{1 1 . 9 \%}$ | $4.8 \%$ | $0.0 \%$ |

## SECURITY GROUP 11

Sensitivity of Class IN to Prepayments
Assumed Price 18.73\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 75\% | 150\% | 250\% | 278\% | 400\% |
| 20.3\% | 13.1\% | 2.8\% | 0.1\% | (6.2) \% |

## SECURITY GROUP 12

Sensitivity of Class IO to Prepayments
Assumed Price 18.87\%*

| PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{7 5 \%}$ | $\underline{\mathbf{1 5 0} \%}$ | $\underline{\mathbf{2 5 0} \%}$ | $\underline{\mathbf{4 0 0} \%}$ | $\underline{\mathbf{5 1 3} \%}$ |
| $\mathbf{1 8 . 9 \%}$ | $\mathbf{1 1 . 4 \%}$ | $\mathbf{1 1 . 3 \%}$ | $\mathbf{7 . 6} \%$ | $0.1 \%$ |

## SECURITY GROUP 13

## Sensitivity of Class IV to Prepayments

Assumed Price 8.27\%*

| PSA Prepayment Assumption Rates |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| $\mathbf{7 5 \%}$ | $\frac{\mathbf{1 5 0 \%}}{\mathbf{7 5 0}}$ | $\underline{\mathbf{2 5 0} \%}$ | $\underline{\mathbf{4 0 0} \%}$ | $\underline{\mathbf{5 0 2 \%}}$ |  |
| $\mathbf{4 6 . 5 \%}$ |  | $24.5 \%$ | $13.8 \%$ | $9.6 \%$ | $0.0 \%$ |

[^1]
## CERTAIN FEDERAL INCOME TAX CONSEQUENCES

The following tax discussion, when read in conjunction with the discussion of "Certain Federal Income Tax Consequences" in the Base Offering Circular, describes the material federal income tax considerations for investors in the Securities. However, these two tax discussions do not purport to deal with all federal tax consequences applicable to all categories of investors, some of which may be subject to special rules.

Investors should consult their own tax advisors in determining the federal, state, local and any other tax consequences to them of the purchase, ownership and disposition of the Securities.

## REMIC Elections

In the opinion of Cleary, Gottlieb, Steen \& Hamilton, the Trust will constitute a Double REMIC Series for federal income tax purposes. Separate REMIC elections will be made for the Pooling REMIC and the Issuing REMIC.

## Regular Securities

The Regular Securities will be treated as debt instruments issued by the Issuing REMIC for federal income tax purposes. Income on the Regular Securities must be reported under an accrual method of accounting.

The Class EA, EB, EC, ED and EL Securities are Principal Only Securities. Principal Only Securities are treated for federal income tax purposes as having been issued with an amount of original issue discount ("OID") equal to the difference between their principal balance and their issue price.

The Class ID, IE, IG, IH, IL, IN, IO, IV, IY, UA, UB, UC, UD, XI and XS Securities are "Interest Weighted Securities" as described in "Certain Federal Income Tax Consequences Tax Treatment of Regular Securities - Interest Weighted Securities and Non-VRDI Securities" in the Base Offering Circular. Although the tax treatment of Interest Weighted Securities is not entirely certain, Holders of the Interest Weighted Securities should expect to accrue all income on these Securities (other than income attributable to market discount or de minimis market discount) under the OID rules based on the expected payments on these securities at the prepayment assumption described below.

The Class XZ, ZA, ZB and ZC Securities are Accrual Securities. Holders of Accrual Securities are required to accrue all income from their Securities (other than income attributable to market discount or de minimis market discount) under the OID rules based on the expected payments on the Accrual Securities at the prepayment assumption described below.

Other than the Regular Securities described in the preceding three paragraphs, based on anticipated prices (including accrued interest), the assumed Mortgage Loan characteristics, the prepayment assumption described below and, in the case of the Floating Rate Classes, the constant LIBOR value described below, no Class of Regular Securities is expected to be issued with OID.

Prospective investors in the Regular Securities should be aware, however, that the foregoing expectations about OID could change because of differences (1) between anticipated purchase prices and actual purchase prices or (2) between the assumed characteristics of the Trust Assets and the characteristics of the Trust Assets actually delivered to the Trust. The prepayment assumption that should be used in determining the rates of accrual of OID, if any,
on the Regular Securities (as described in "Yield, Maturity and Prepayment Considerations" in this Supplement) is as follows:

| Security Group | PSA |
| :---: | :---: |
| 1 | $225 \%$ |
| 2 | $175 \%$ |
| 3 | $150 \%$ |
| 4 | $150 \%$ |
| 5 | $225 \%$ |
| 6 | $251 \%$ |
| 7 | $150 \%$ |
| 8 | $150 \%$ |
| 9 | $150 \%$ |
| 10 | $150 \%$ |
| 11 | $150 \%$ |
| 12 | $150 \%$ |
| 13 | $150 \%$ |

In the case of the Floating Rate Classes, the constant value of LIBOR to be used for these determinations is $1.10 \%$. No representation is made, however, about the rate at which prepayments on the Mortgage Loans underlying any Group of Trust Assets actually will occur or the level of LIBOR at any time after the date of this Supplement. See "Certain Federal Income Tax Consequences" in the Base Offering Circular.

The Regular Securities generally will be treated as "regular interests" in a REMIC for domestic building and loan associations, "permitted assets" for financial asset securitization investment trusts ("FASITs"), and "real estate assets" for real estate investment trusts ("REITs") as described in "Certain Federal Income Tax Consequences" in the Base Offering Circular. Similarly, interest on the Regular Securities will be considered "interest on obligations secured by mortgages on real property" for REITs.

## Residual Securities

The Class RR Securities will represent the beneficial ownership of the Residual Interest in the Pooling REMIC and the beneficial ownership of the Residual Interest in the Issuing REMIC. The Residual Securities, i.e., the Class RR Securities, generally will be treated as "residual interests" in a REMIC for domestic building and loan associations and as "real estate assets" for REITs, as described in "Certain Federal Income Tax Consequences" in the Base Offering Circular, but will not be treated as debt for federal income tax purposes. Instead, the Holders of the Residual Securities will be required to report, and will be taxed on, their pro rata shares of the taxable income or loss of the Trust REMICs, and these requirements will continue until there are no outstanding regular interests in the respective Trust REMICs. Thus, Residual Holders will have taxable income attributable to the Residual Securities even though they will not receive principal or interest distributions with respect to the Residual Securities, which could result in a negative after-tax return for the Residual Holders. It is not expected that the Pooling REMIC will have a substantial amount of taxable income or loss in any period. However, even though the Holders of the Class RR Securities are not entitled to any stated principal or interest payments on the Class RR Securities, the Issuing REMIC may have substantial taxable income in certain periods, and offsetting tax losses may not occur until much
later periods. Accordingly, a Holder of the Class RR Securities may experience substantial adverse tax timing consequences. Prospective investors are urged to consult their own tax advisors and consider the after-tax effect of ownership of the Residual Securities and the suitability of the Residual Securities to their investment objectives.

Prospective Holders of Residual Securities should be aware that, at issuance, based on the expected prices of the Regular and Residual Securities and the prepayment assumption described above, the residual interests represented by the Residual Securities will be treated as "noneconomic residual interests" as that term is defined in Treasury regulations.

OID accruals on the Underlying Certificates will be computed using the same prepayment assumption as set forth under "Certain Federal Income Tax Consequences - Regular Securities" in this Supplement.

Regulations were recently finalized regarding the federal income tax treatment of "inducement fees" received by transferees of noneconomic REMIC residual interests. The final regulations (i) provide tax accounting rules for the treatment of such fees as income over an appropriate period and (ii) clarify that inducement fees will be treated as income from sources within the United States. The rules set forth in the final regulations apply to taxable years ending on or after May 11, 2004. Prospective purchasers of the Class RR Securities should consult with their tax advisors regarding the effect of these final regulations.

## MX Securities

For a discussion of certain federal income tax consequences applicable to the MX Classes, see "Certain Federal Income Tax Consequences - Tax Treatment of MX Securities", "— Exchanges of MX Classes and Regular Classes" and "- Taxation of Foreign Holders of REMIC Securities and MX Securities" in the Base Offering Circular.

## ERISA MATTERS

Ginnie Mae guarantees distributions of principal and interest with respect to the Securities. The Ginnie Mae Guaranty is supported by the full faith and credit of the United States of America. The Regular and MX Securities will qualify as "guaranteed governmental mortgage pool certificates" within the meaning of a Department of Labor regulation, the effect of which is to provide that mortgage loans and participations therein underlying a "guaranteed governmental mortgage pool certificate" will not be considered assets of an employee benefit plan subject to the Employee Retirement Income Security Act of 1974, as amended ("ERISA"), or subject to section 4975 of the Code (each, a "Plan"), solely by reason of the Plan's purchase and holding of that certificate.

Governmental plans and certain church plans, while not subject to the fiduciary responsibility provisions of ERISA or the prohibited transaction provisions of ERISA and the Code, may nevertheless be subject to local, state or other federal laws that are substantially similar to the foregoing provisions of ERISA and the Code. Fiduciaries of any such plans should consult with their counsel before purchasing any of the Securities.

Prospective Plan Investors should consult with their advisors, however, to determine whether the purchase, holding, or resale of a Security could give rise to a transaction that is prohibited or is not otherwise permissible under either ERISA or the Code.

See "ERISA Considerations" in the Base Offering Circular.
The Residual Securities are not offered to, and may not be transferred to, a Plan Investor.

## LEGAL INVESTMENT CONSIDERATIONS

Institutions whose investment activities are subject to legal investment laws and regulations or to review by certain regulatory authorities may be subject to restrictions on investment in the Securities. No representation is made about the proper characterization of any Class for legal investment or other purposes, or about the permissibility of the purchase by particular investors of any Class under applicable legal investment restrictions.

Investors should consult their own legal advisors regarding applicable investment restrictions and the effect of any restrictions on the liquidity of the Securities prior to investing in the Securities.

See "Legal Investment Considerations" in the Base Offering Circular.

## PLAN OF DISTRIBUTION

Subject to the terms and conditions of the Sponsor Agreement, the Sponsor has agreed to purchase all of the Securities if any are sold and purchased. The Sponsor proposes to offer each Class to the public from time to time for sale in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest, if any, from (1) May 1, 2004 on the Fixed Rate Classes and Classes IW and IX and (2) May 16, 2004 on the Group 1, 5 and 6 Floating Rate and Inverse Floating Rate Classes. The Sponsor may effect these transactions by sales to or through certain securities dealers. These dealers may receive compensation in the form of discounts, concessions or commissions from the Sponsor and/or commissions from any purchasers for which they act as agents. Some of the Securities may be sold through dealers in relatively small sales. In the usual case, the commission charged on a relatively small sale of securities will be a higher percentage of the sales price than that charged on a large sale of securities.

## INCREASE IN SIZE

Before the Closing Date, Ginnie Mae, the Trustee and the Sponsor may agree to increase the size of this offering. In that event, the Group 1, 2, 5 and 6 Securities will have the same characteristics as described in this Supplement, except that (1) the Original Class Principal Balance (or original Class Notional Balance), (2) the Original Component Principal Balance of each Component and (3) the Scheduled Principal Balances and Aggregate Scheduled Principal Balances of each Class receiving principal distributions or interest distributions based upon a notional balance from the same Trust Asset Group will increase by the same proportion. The Trust Agreement, the Final Data Statement, the Final Schedules and the Supplemental Statement, if any, will reflect any increase in the size of the transaction.

## LEGAL MATTERS

Certain legal matters will be passed upon for Ginnie Mae by Hunton \& Williams LLP and Harrell \& Chambliss LLP, Richmond, Virginia, for the Trust by Cleary, Gottlieb, Steen \& Hamilton and Marcell Solomon \& Associates, P.C., and for the Trustee by Seward \& Kissell.
Schedule I

|  |  | Available | Combinations(1) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MX Securities |  |  |  |  |  |  |  |
| Related <br> MX Class |  | Maximum Original Class ncipal Balance Class Notiona Balance(2) | $\underset{\substack{\text { Principal } \\ \text { Type(3) }}}{ }$ | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \end{gathered}$ | $\begin{gathered} \begin{array}{c} \text { CUSIP } \\ \text { Number } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| SA | \$ | 16,328,600 | SCH/AD | (5) | INV | 38374 GVC 3 | May 2034 |
| SC | \$ | 16,328,600 | SCH/AD | (5) | INV | 38374 GVD 1 | May 2034 |
| SD |  | 16,328,600 | SCH/AD | (5) | INV | 38374 GVE 9 | May 2034 |
| SB |  | 65,314,400 | NTL (SCH/AD) | (5) | INV/IO | $38374 \mathrm{GVF6}$ | May 2034 |
| SE |  | 16,328,600 | SCH/AD | (5) | INV | $38374 \mathrm{GVG4}$ | May 2034 |
| ZD | \$ | 12,988,989 | SUP | 6.00\% | FIX/Z | 38374 GVH 2 | May 2034 |
| JA | \$ | 50,000,000 | PAC II/AD | 4.50\% | FIX | 38374 GVJ 8 | May 2034 |
| JB |  | 50,000,000 | PAC II/AD | 4.75 | FIX | 38374 GVK 5 | May 2034 |
| JC |  | 50,000,000 | PAC II/AD | 5.00 | FIX | $38374 \mathrm{GVL3}$ | May 2034 |
| JD |  | 50,000,000 | PAC II/AD | 5.25 | FIX | 38374 GVM 1 | May 2034 |
| JI |  | 9,090,909 | NTL (PAC II/AD) | 5.50 | FIX/IO | 38374 GVN 9 | May 2034 |


| REMIC Securities |  |
| :---: | :---: |
| Class | Original Class Principal Balance or Class <br> Notional Balance |
| Security Group 1 |  |
| Combination 1 |  |
| EA | \$ 16,328,600 |
| UA | 32,657,200 |
| Combination 2 |  |
| EA | \$ 16,328,600 |
| UA | 65,314,400 |
| UB | 65,314,400 |
| Combination 3 |  |
| EA | \$ 16,328,600 |
| UA | 65,314,400 |
| Combination 4 |  |
| UA | \$ 65,314,400 |
| UB | 65,314,400 |
| Combination 5 |  |
| EA | \$ 16,328,600 |
| UA | 48,985,800 |
| Security Groups 1 and 5 |  |
| Combination 6 |  |
| ZA | \$ 7,357,000 |
| ZC | 5,631,989 |
| Security Group 2 |  |
| Combination 7 (6) |  |
| JX | \$ 50,000,000 |

REMIC Securities

| Class | Original Class Principal Balance or Class Notional Balance |
| :---: | :---: |
| Combination 8 (6) LA | \$ 66,800,000 |
| $\text { Combination } 9 \text { (6) }$ LB | \$ 34,950,000 |
| $\begin{aligned} & \text { Combination } 10 \text { (6) } \\ & \quad \text { LC } \end{aligned}$ | \$ 71,800,000 |
| Combination 11 |  |
| LA | \$ 66,800,000 |
| LB | 34,950,000 |
| Combination 12 |  |
| LA | \$ 66,800,000 |
| LB | 11,883,000 |
| Combination 13 |  |
| LA | \$ 66,800,000 |
| LB | 34,950,000 |
| LC | 71,800,000 |
| Combination 14 (6) |  |
| LK (7) | \$101,750,000 |


| Related MX Class MX Class | Maximum <br> Original Class <br> Principal Balance <br> or Class Notional <br> Balance(2) | Principal Type(3) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | Interest Type (3) | $\begin{gathered} \begin{array}{c} \text { CUSIP } \\ \text { Number } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IJ | \$ 78,886,363 | NTL (PAC I) | 5.50\% | FIX/IO | 38374 GWQ 1 | December 2029 |
| MA | 173,550,000 | PAC I | 3.00 | FIX | 38374 GWR 9 | December 2029 |
| MB | 173,550,000 | PAC I | 3.50 | FIX | 38374 GWS 7 | December 2029 |
| MC | 173,550,000 | PAC I | 4.00 | FIX | 38374 GWT 5 | December 2029 |
| MD | 173,550,000 | PAC I | 4.50 | FIX | 38374 GWU 2 | December 2029 |
| ME | 173,550,000 | PAC I | 5.00 | FIX | 38374 GWV 0 | December 2029 |
| IM | \$ 28,612,000 | NTL (PAC I) | 5.50\% | FIX/IO | 38374 GWW 8 | January 2027 |
| LN | 78,683,000 | PAC I | 5.00 | FIX | $38374 \mathrm{GWX6}$ | January 2027 |
| LT | 78,683,000 | PAC I | 4.50 | FIX | $38374 \mathrm{GWY4}$ | January 2027 |
| LU | 78,683,000 | PAC I | 4.00 | FIX | $38374 \mathrm{GWZ1}$ | January 2027 |
| LV | 78,683,000 | PAC I | 3.50 | FIX | $38374 \mathrm{GXA5}$ | January 2027 |
| LX | 78,683,000 | PAC I | 4.25 | FIX | $38374 \mathrm{GXB3}$ | January 2027 |
| LW | \$ 31,754,000 | PAC I | 5.50\% | FIX | 38374 GXC 1 | May 2034 |
| IW | \$ 34,643,420 | NTL (SC/PT) | (8) | WAC/IO/DLY | 38374 GXD 9 | February 2032 |
| QA | \$ 12,500,000 | SCH/AD | (5) | INV | 38374 GXE 7 | May 2034 |
| QC | \$ 12,500,000 | SCH/AD | (5) | INV | 38374 GXF 4 | May 2034 |
| QD | \$ 12,500,000 | SCH/AD | (5) | INV | 38374 GXG 2 | May 2034 |
| QB | \$ 50,000,000 | NTL (SCH/AD) | (5) | INV/IO | $38374 \mathrm{GXH0}$ | May 2034 |


| REMIC Securities |  |
| :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance |
| Combination 15 (6) <br> LJ (7) | \$173,550,000 |
| $\begin{aligned} & \text { Combination } 16 \text { (6) } \\ & \text { LM (7) } \end{aligned}$ | \$ 78,683,000 |
| Combination 17 |  |
| EL | \$ 31,754,000 |
| IL | 31,754,000 |
| Security Groups 4 and 12 |  |
| Combination 18 |  |
| IO | \$ 28,902,196 |
| IY | 5,741,224 |
| Security Group 5 |  |
| Combination 19 |  |
| EC | \$ 12,500,000 |
| UC | 25,000,000 |
| Combination 20 |  |
| EC | \$ 12,500,000 |
| UC | 50,000,000 |
| UD | 50,000,000 |
| Combination 21 |  |
| EC | \$ 12,500,000 |
| UC | 50,000,000 |
| Combination 22 |  |
| UC | \$ 50,000,000 |
| UD | 50,000,000 |



## SCHEDULED PRINCIPAL BALANCES

| Distribution Date | $\begin{aligned} & \text { Classes EA and FA } \\ & \text { (in the aggregate) } \end{aligned}$ | Classes EC and FB (in the aggregate) | Classes EL, LA, LB, LC, LD, LE and LH (in the aggregate) | Class JX |
| :---: | :---: | :---: | :---: | :---: |
| Initial Balance | \$81,643,000.00 | \$62,500,000.00 | \$314,254,000.00 | \$50,000,000.00 |
| June 2004 | 81,379,082.71 | 62,297,963.94 | 314,254,000.00 | 48,990,144.09 |
| July 2004 | 81,085,142.30 | 62,072,944.33 | 314,254,000.00 | 47,875,410.06 |
| August 2004 | 80,761,354.32 | 61,825,075.58 | 314,254,000.00 | 46,656,263.12 |
| September 2004 | 80,407,925.26 | 61,554,515.75 | 314,254,000.00 | 45,333,240.43 |
| October 2004 | 80,025,092.39 | 61,261,446.48 | 314,254,000.00 | 43,906,950.83 |
| November 2004 | 79,613,123.58 | 60,946,072.83 | 314,254,000.00 | 42,378,074.50 |
| December 2004 | 79,172,317.06 | 60,608,623.11 | 314,254,000.00 | 40,747,362.51 |
| January 2005 | 78,703,001.10 | 60,249,348.62 | 314,254,000.00 | 39,015,636.30 |
| February 2005 | 78,205,533.68 | 59,868,523.40 | 314,254,000.00 | 37,183,787.08 |
| March 2005 | 77,680,302.09 | 59,466,443.93 | 314,254,000.00 | 35,252,775.14 |
| April 2005 | 77,127,722.45 | 59,043,428.77 | 314,254,000.00 | 33,223,629.09 |
| May 2005 | 76,548,239.24 | 58,599,818.16 | 314,254,000.00 | 31,097,445.00 |
| June 2005 | 75,942,324.71 | 58,135,973.64 | 314,254,000.00 | 28,875,385.51 |
| July 2005 | 75,310,478.29 | 57,652,277.53 | 312,378,691.07 | 28,433,987.72 |
| August 2005 | 74,653,225.93 | 57,149,132.47 | 310,431,367.45 | 27,971,250.03 |
| September 2005 | 73,971,119.40 | 56,626,960.85 | 308,412,862.10 | 27,487,695.42 |
| October 2005 | 73,264,735.55 | 56,086,204.25 | 306,324,044.26 | 26,983,872.67 |
| November 2005 | 72,534,675.48 | 55,527,322.85 | 304,165,818.87 | 26,460,355.63 |
| December 2005 | 71,781,563.73 | 54,950,794.74 | 301,939,125.91 | 25,917,742.50 |
| January 2006 | 71,006,047.40 | 54,357,115.30 | 299,644,939.75 | 25,356,655.04 |
| February 2006 | 70,208,795.20 | 53,746,796.45 | 297,284,268.42 | 24,777,737.78 |
| March 2006 | 69,390,496.53 | 53,120,365.92 | 294,858,152.92 | 24,181,657.13 |
| April 2006 | 68,551,860.44 | 52,478,366.54 | 292,367,666.43 | 23,569,100.52 |
| May 2006 | 67,693,614.62 | 51,821,355.36 | 289,813,913.53 | 22,940,775.49 |
| June 2006 | 66,816,504.33 | 51,149,902.89 | 287,198,029.39 | 22,297,408.71 |
| July 2006 | 65,949,116.79 | 50,485,893.47 | 284,521,178.93 | 21,639,745.01 |
| August 2006 | 65,091,346.73 | 49,829,246.50 | 281,858,225.03 | 20,992,228.54 |
| September 2006 | 64,243,090.00 | 49,179,882.26 | 279,209,096.19 | 20,354,762.69 |
| October 2006 | 63,404,243.58 | 48,537,721.86 | 276,573,721.27 | 19,727,251.66 |
| November 2006 | 62,574,705.55 | 47,902,687.30 | 273,952,029.51 | 19,109,600.42 |
| December 2006 | 61,754,375.07 | 47,274,701.38 | 271,343,950.50 | 18,501,714.74 |
| January 2007. | 60,943,152.40 | 46,653,687.74 | 268,749,414.20 | 17,903,501.17 |
| February 2007 | 60,140,938.84 | 46,039,570.82 | 266,168,350.92 | 17,314,867.04 |
| March 2007 | 59,347,636.78 | 45,432,275.91 | 263,600,691.34 | 16,735,720.43 |
| April 2007 | 58,563,149.63 | 44,831,729.06 | 261,046,366.49 | 16,165,970.19 |
| May 2007 | 57,787,381.84 | 44,237,857.12 | 258,505,307.76 | 15,605,525.92 |
| June 2007 | 57,020,238.89 | 43,650,587.74 | 255,977,446.89 | 15,054,297.97 |
| July 2007 | 56,261,627.27 | 43,069,849.32 | 253,462,715.97 | 14,512,197.44 |

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| Distribution Date | $\begin{aligned} & \text { Classes EA and FA } \\ & \text { (in the aggregate) } \end{aligned}$ | Classes EC and FB (in the aggregate) | Classes EL, LA, LB, LC, LD, LE and LH (in the aggregate) | Class Jx |
| :---: | :---: | :---: | :---: | :---: |
| August 2007 | \$55,511,454.48 | \$42,495,571.07 | \$250,961,047.43 | \$13,979,136.17 |
| September 2007 | 54,769,628.99 | 41,927,682.91 | 248,472,374.07 | 13,455,026.72 |
| October 2007 | 54,036,060.27 | 41,366,115.54 | 245,996,629.02 | 12,939,782.38 |
| November 2007 | 53,310,658.76 | 40,810,800.39 | 243,533,745.76 | 12,433,317.17 |
| December 2007 | 52,593,335.85 | 40,261,669.64 | 241,083,658.10 | 11,935,545.82 |
| January 2008 | 51,884,003.88 | 39,718,656.18 | 238,646,300.21 | 11,446,383.76 |
| February 2008. | 51,182,576.14 | 39,181,693.63 | 236,221,606.58 | 10,965,747.14 |
| March 2008 | 50,488,966.84 | 38,650,716.31 | 233,809,512.05 | 10,493,552.80 |
| April 2008 | 49,803,091.11 | 38,125,659.25 | 231,409,951.79 | 10,029,718.27 |
| May 2008 | 49,124,865.00 | 37,606,458.20 | 229,022,861.30 | 9,574,161.78 |
| June 2008 | 48,454,205.45 | 37,093,049.56 | 226,648,176.42 | 9,126,802.23 |
| July 2008 | 47,791,030.29 | 36,585,370.43 | 224,285,833.31 | 8,687,559.21 |
| August 2008 | 47,135,258.23 | 36,083,358.58 | 221,935,768.47 | 8,256,352.96 |
| September 2008 | 46,486,808.87 | 35,586,952.45 | 219,597,918.72 | 7,833,104.41 |
| October 2008 | 45,845,602.65 | 35,096,091.16 | 217,272,221.20 | 7,417,735.14 |
| November 2008 | 45,211,560.87 | 34,610,714.45 | 214,958,613.38 | 7,010,167.39 |
| December 2008 | 44,584,605.68 | 34,130,762.72 | 212,657,033.05 | 6,610,324.05 |
| January 2009 | 43,964,660.06 | 33,656,177.01 | 210,367,418.33 | 6,218,128.65 |
| February 2009 | 43,351,647.81 | 33,186,898.98 | 208,089,707.64 | 5,833,505.37 |
| March 2009 | 42,745,493.56 | 32,722,870.95 | 205,823,839.72 | 5,456,379.03 |
| April 2009 | 42,146,122.75 | 32,264,035.83 | 203,569,753.64 | 5,086,675.06 |
| May 2009 | 41,553,461.61 | 31,810,337.15 | 201,327,388.76 | 4,724,319.55 |
| June 2009 | 40,967,437.16 | 31,361,719.04 | 199,096,684.78 | 4,369,239.18 |
| July 2009 | 40,387,977.21 | 30,918,126.23 | 196,877,581.69 | 4,021,361.26 |
| August 2009 | 39,815,010.34 | 30,479,504.07 | 194,670,019.79 | 3,680,613.71 |
| September 2009 | 39,248,465.90 | 30,045,798.46 | 192,473,939.70 | 3,346,925.06 |
| October 2009 | 38,688,274.00 | 29,616,955.90 | 190,289,282.33 | 3,020,224.44 |
| November 2009 | 38,134,365.50 | 29,192,923.45 | 188,115,988.90 | 2,700,441.58 |
| December 2009 | 37,586,672.00 | 28,773,648.76 | 185,954,000.94 | 2,387,506.79 |
| January 2010 | 37,045,125.83 | 28,359,080.01 | 183,803,260.26 | 2,081,350.99 |
| February 2010 | 36,509,660.05 | 27,949,165.98 | 181,663,709.00 | 1,781,905.65 |
| March 2010 | 35,980,208.44 | 27,543,855.97 | 179,535,289.57 | 1,489,102.86 |
| April 2010 | 35,456,705.49 | 27,143,099.82 | 177,417,944.69 | 1,202,875.26 |
| May 2010 | 34,939,086.40 | 26,746,847.93 | 175,311,617.37 | 923,156.07 |
| June 2010 | 34,427,287.05 | 26,355,051.22 | 173,216,250.91 | 649,879.07 |
| July 2010 | 33,921,244.03 | 25,967,661.14 | 171,131,788.91 | 382,978.59 |
| August 2010 | 33,420,894.59 | 25,584,629.64 | 169,058,175.26 | 122,389.54 |
| September 2010 | 32,926,176.67 | 25,205,909.24 | 166,995,354.13 | 0.00 |
| October 2010 | 32,437,028.87 | 24,831,452.92 | 164,943,269.98 | 0.00 |
| November 2010 | 31,953,390.45 | 24,461,214.18 | 162,901,867.56 | 0.00 |
| December 2010 | 31,475,201.32 | 24,095,147.03 | 160,871,091.90 | 0.00 |
| January 2011 | 31,002,402.04 | 23,733,205.96 | 158,850,888.32 | 0.00 |
| February 2011. | 30,534,933.80 | 23,375,345.94 | 156,841,202.41 | 0.00 |


| $\underline{\text { Distribution Date }}$ | Classes EA and FA <br> (in the aggregate) | Classes EC and FB <br> (in the aggregate) | Classes EL, LA, LB, LC, LD, LE and LH (in the aggregate) | Class JX |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| March 2011 | \$30,072,738.44 | \$23,021,522.47 | \$154,841,980.04 | \$ | 0.00 |
| April 2011 | 29,615,758.41 | 22,671,691.48 | 152,853,167.37 |  | 0.00 |
| May 2011 | 29,164,242.27 | 22,326,043.25 | 150,874,710.83 |  | 0.00 |
| June 2011 | 28,719,275.81 | 21,985,408.98 | 148,906,557.13 |  | 0.00 |
| July 2011 | 28,280,766.49 | 21,649,717.83 | 146,948,653.25 |  | 0.00 |
| August 2011 | 27,848,623.06 | 21,318,899.95 | 145,000,946.44 |  | 0.00 |
| September 2011 | 27,422,755.54 | 20,992,886.46 | 143,063,384.22 |  | 0.00 |
| October 2011 | 27,003,075.21 | 20,671,609.42 | 141,135,914.39 |  | 0.00 |
| November 2011 | 26,589,494.58 | 20,355,001.88 | 139,218,485.01 |  | 0.00 |
| December 2011 | 26,181,927.37 | 20,042,997.78 | 137,311,044.41 |  | 0.00 |
| January 2012 | 25,780,288.51 | 19,735,532.00 | 135,413,541.19 |  | 0.00 |
| February 2012 | 25,384,494.12 | 19,432,540.33 | 133,525,924.21 |  | 0.00 |
| March 2012 | 24,994,461.49 | 19,133,959.44 | 131,648,142.59 |  | 0.00 |
| April 2012 | 24,610,109.04 | 18,839,726.89 | 129,780,145.71 |  | 0.00 |
| May 2012 | 24,231,356.35 | 18,549,781.12 | 127,921,883.22 |  | 0.00 |
| June 2012 | 23,858,124.12 | 18,264,061.40 | 126,073,305.02 |  | 0.00 |
| July 2012 | 23,490,334.14 | 17,982,507.89 | 124,234,361.28 |  | 0.00 |
| August 2012 | 23,127,909.31 | 17,705,061.55 | 122,405,002.41 |  | 0.00 |
| September 2012 | 22,770,773.59 | 17,431,664.17 | 120,585,179.08 |  | 0.00 |
| October 2012 | 22,418,852.00 | 17,162,258.35 | 118,774,842.22 |  | 0.00 |
| November 2012 | 22,072,070.61 | 16,896,787.50 | 116,973,943.01 |  | 0.00 |
| December 2012 | 21,730,356.53 | 16,635,195.82 | 115,182,432.89 |  | 0.00 |
| January 2013 | 21,393,637.88 | 16,377,428.27 | 113,400,991.55 |  | 0.00 |
| February 2013 | 21,061,843.77 | 16,123,430.60 | 111,645,509.66 |  | 0.00 |
| March 2013 | 20,734,904.32 | 15,873,149.30 | 109,915,620.85 |  | 0.00 |
| April 2013 | 20,412,750.62 | 15,626,531.63 | 108,210,963.83 |  | 0.00 |
| May 2013 | 20,095,314.71 | 15,383,525.56 | 106,531,182.30 |  | 0.00 |
| June 2013 | 19,782,529.59 | 15,144,079.80 | 104,875,924.92 |  | 0.00 |
| July 2013 | 19,474,329.19 | 14,908,143.78 | 103,244,845.21 |  | 0.00 |
| August 2013 | 19,170,648.37 | 14,675,667.62 | 101,637,601.50 |  | 0.00 |
| September 2013 | 18,871,422.89 | 14,446,602.15 | 100,053,856.84 |  | 0.00 |
| October 2013 | 18,576,589.41 | 14,220,898.88 | 98,493,278.97 |  | 0.00 |
| November 2013 | 18,286,085.48 | 13,998,510.00 | 96,955,540.23 |  | 0.00 |
| December 2013 | 17,999,849.53 | 13,779,388.37 | 95,440,317.51 |  | 0.00 |
| January 2014 | 17,717,820.83 | 13,563,487.51 | 93,947,292.18 |  | 0.00 |
| February 2014 | 17,439,939.51 | 13,350,761.58 | 92,476,150.04 |  | 0.00 |
| March 2014 | 17,166,146.53 | 13,141,165.40 | 91,026,581.23 |  | 0.00 |
| April 2014 | 16,896,383.69 | 12,934,654.40 | 89,598,280.22 |  | 0.00 |
| May 2014 | 16,630,593.59 | 12,731,184.64 | 88,190,945.70 |  | 0.00 |
| June 2014 | 16,368,719.63 | 12,530,712.80 | 86,804,280.55 |  | 0.00 |
| July 2014 | 16,110,706.02 | 12,333,196.17 | 85,437,991.78 |  | 0.00 |
| August 2014 | 15,856,497.74 | 12,138,592.62 | 84,091,790.46 |  | 0.00 |
| September 2014 | 15,606,040.53 | 11,946,860.62 | 82,765,391.69 |  | 0.00 |


| Distribution Date | Classes EA and FA (in the aggregate) | Classes EC and FB (in the aggregate) | Classes EL, LA, lB, LC, LD, LE and LH (in the aggregate) | Class Jx |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| October 2014 | \$15,359,280.90 | \$11,757,959.23 | \$ 81,458,514.52 | \$ | 0.00 |
| November 2014 | 15,116,166.11 | 11,571,848.06 | 80,170,881.90 |  | 0.00 |
| December 2014 | 14,876,644.16 | 11,388,487.31 | 78,902,220.64 |  | 0.00 |
| January 2015 | 14,640,663.77 | 11,207,837.72 | 77,652,261.35 |  | 0.00 |
| February 2015 | 14,408,174.38 | 11,029,860.59 | 76,420,738.37 |  | 0.00 |
| March 2015 | 14,179,126.13 | 10,854,517.75 | 75,207,389.75 |  | 0.00 |
| April 2015 | 13,953,469.88 | 10,681,771.57 | 74,011,957.18 |  | 0.00 |
| May 2015 | 13,731,157.16 | 10,511,584.97 | 72,834,185.94 |  | 0.00 |
| June 2015 | 13,512,140.19 | 10,343,921.35 | 71,673,824.85 |  | 0.00 |
| July 2015 | 13,296,371.85 | 10,178,744.65 | 70,530,626.24 |  | 0.00 |
| August 2015 | 13,083,805.68 | 10,016,019.30 | 69,404,345.88 |  | 0.00 |
| September 2015 | 12,874,395.88 | 9,855,710.24 | 68,294,742.94 |  | 0.00 |
| October 2015 | 12,668,097.29 | 9,697,782.90 | 67,201,579.94 |  | 0.00 |
| November 2015 | 12,464,865.38 | 9,542,203.19 | 66,124,622.72 |  | 0.00 |
| December 2015 | 12,264,656.24 | 9,388,937.50 | 65,063,640.37 |  | 0.00 |
| January 2016 | 12,067,426.59 | 9,237,952.69 | 64,018,405.20 |  | 0.00 |
| February 2016 | 11,873,133.74 | 9,089,216.08 | 62,988,692.69 |  | 0.00 |
| March 2016 | 11,681,735.61 | 8,942,695.46 | 61,974,281.46 |  | 0.00 |
| April 2016 | 11,493,190.71 | 8,798,359.07 | 60,974,953.20 |  | 0.00 |
| May 2016 | 11,307,458.13 | 8,656,175.59 | 59,990,492.66 |  | 0.00 |
| June 2016 | 11,124,497.54 | 8,516,114.14 | 59,020,687.58 |  | 0.00 |
| July 2016 | 10,944,269.16 | 8,378,144.28 | 58,065,328.67 |  | 0.00 |
| August 2016 | 10,766,733.79 | 8,242,235.98 | 57,124,209.55 |  | 0.00 |
| September 2016 | 10,591,852.76 | 8,108,359.66 | 56,197,126.73 |  | 0.00 |
| October 2016 | 10,419,587.96 | 7,976,486.14 | 55,283,879.55 |  | 0.00 |
| November 2016 | 10,249,901.80 | 7,846,586.64 | 54,384,270.16 |  | 0.00 |
| December 2016 | 10,082,757.24 | 7,718,632.80 | 53,498,103.47 |  | 0.00 |
| January 2017 | 9,918,117.74 | 7,592,596.66 | 52,625,187.12 |  | 0.00 |
| February 2017 | 9,755,947.28 | 7,468,450.64 | 51,765,331.42 |  | 0.00 |
| March 2017 | 9,596,210.35 | 7,346,167.55 | 50,918,349.34 |  | 0.00 |
| April 2017 | 9,438,871.93 | 7,225,720.59 | 50,084,056.47 |  | 0.00 |
| May 2017 | 9,283,897.50 | 7,107,083.33 | 49,262,270.97 |  | 0.00 |
| June 2017 | 9,131,253.03 | 6,990,229.72 | 48,452,813.54 |  | 0.00 |
| July 2017 | 8,980,904.97 | 6,875,134.07 | 47,655,507.39 |  | 0.00 |
| August 2017 | 8,832,820.22 | 6,761,771.06 | 46,870,178.20 |  | 0.00 |
| September 2017 | 8,686,966.17 | 6,650,115.71 | 46,096,654.09 |  | 0.00 |
| October 2017 | 8,543,310.67 | 6,540,143.40 | 45,334,765.59 |  | 0.00 |
| November 2017 | 8,401,822.00 | 6,431,829.87 | 44,584,345.60 |  | 0.00 |
| December 2017 | 8,262,468.90 | 6,325,151.18 | 43,845,229.35 |  | 0.00 |
| January 2018 | 8,125,220.56 | 6,220,083.74 | 43,117,254.38 |  | 0.00 |
| February 2018. | 7,990,046.59 | 6,116,604.29 | 42,400,260.51 |  | 0.00 |
| March 2018 | 7,856,917.03 | 6,014,689.89 | 41,694,089.81 |  | 0.00 |
| April 2018 | 7,725,802.35 | 5,914,317.94 | 40,998,586.54 |  | 0.00 |


| Distribution Date | Classes EA and FA (in the aggregate) | Classes EC and FB (in the aggregate) | Classes EL, LA, LB, LC, LD, LE and LH (in the aggregate) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| May 2018 | \$ 7,596,673.43 | \$ 5,815,466.14 | \$ 40,313,597.16 | \$ | 0.00 |
| June 2018 | 7,469,501.56 | 5,718,112.51 | 39,638,970.28 |  | 0.00 |
| July 2018 | 7,344,258.44 | 5,622,235.40 | 38,974,556.62 |  | 0.00 |
| August 2018 | 7,220,916.16 | 5,527,813.44 | 38,320,209.01 |  | 0.00 |
| September 2018 | 7,099,447.21 | 5,434,825.56 | 37,675,782.34 |  | 0.00 |
| October 2018 | 6,979,824.47 | 5,343,251.01 | 37,041,133.53 |  | 0.00 |
| November 2018 | 6,862,021.20 | 5,253,069.32 | 36,416,121.50 |  | 0.00 |
| December 2018 | 6,746,011.04 | 5,164,260.30 | 35,800,607.17 |  | 0.00 |
| January 2019 | 6,631,768.00 | 5,076,804.06 | 35,194,453.39 |  | 0.00 |
| February 2019. | 6,519,266.46 | 4,990,680.99 | 34,597,524.96 |  | 0.00 |
| March 2019 | 6,408,481.16 | 4,905,871.74 | 34,009,688.56 |  | 0.00 |
| April 2019 | 6,299,387.19 | 4,822,357.26 | 33,430,812.74 |  | 0.00 |
| May 2019 | 6,191,960.00 | 4,740,118.74 | 32,860,767.92 |  | 0.00 |
| June 2019 | 6,086,175.38 | 4,659,137.66 | 32,299,426.32 |  | 0.00 |
| July 2019 | 5,982,009.48 | 4,579,395.75 | 31,746,661.96 |  | 0.00 |
| August 2019 | 5,879,438.77 | 4,500,875.00 | 31,202,350.63 |  | 0.00 |
| September 2019 | 5,778,440.05 | 4,423,557.66 | 30,666,369.87 |  | 0.00 |
| October 2019 | 5,678,990.46 | 4,347,426.22 | 30,138,598.95 |  | 0.00 |
| November 2019 | 5,581,067.46 | 4,272,463.43 | 29,618,918.83 |  | 0.00 |
| December 2019 | 5,484,648.83 | 4,198,652.27 | 29,107,212.15 |  | 0.00 |
| January 2020 | 5,389,712.66 | 4,125,975.98 | 28,603,363.19 |  | 0.00 |
| February 2020. | 5,296,237.35 | 4,054,418.02 | 28,107,257.87 |  | 0.00 |
| March 2020 | 5,204,201.61 | 3,983,962.09 | 27,618,783.72 |  | 0.00 |
| April 2020 | 5,113,584.45 | 3,914,592.12 | 27,137,829.85 |  | 0.00 |
| May 2020 | 5,024,365.18 | 3,846,292.28 | 26,664,286.93 |  | 0.00 |
| June 2020 | 4,936,523.40 | 3,779,046.94 | 26,198,047.17 |  | 0.00 |
| July 2020 | 4,850,039.00 | 3,712,840.72 | 25,739,004.30 |  | 0.00 |
| August 2020 | 4,764,892.16 | 3,647,658.43 | 25,287,053.56 |  | 0.00 |
| September 2020 | 4,681,063.33 | 3,583,485.12 | 24,842,091.65 |  | 0.00 |
| October 2020 | 4,598,533.25 | 3,520,306.03 | 24,404,016.74 |  | 0.00 |
| November 2020 | 4,517,282.92 | 3,458,106.63 | 23,972,728.43 |  | 0.00 |
| December 2020 | 4,437,293.62 | 3,396,872.58 | 23,548,127.75 |  | 0.00 |
| January 2021 | 4,358,546.89 | 3,336,589.76 | 23,130,117.11 |  | 0.00 |
| February 2021. | 4,281,024.53 | 3,277,244.22 | 22,718,600.31 |  | 0.00 |
| March 2021 | 4,204,708.61 | 3,218,822.25 | 22,313,482.50 |  | 0.00 |
| April 2021 | 4,129,581.45 | 3,161,310.31 | 21,914,670.18 |  | 0.00 |
| May 2021 | 4,055,625.61 | 3,104,695.05 | 21,522,071.16 |  | 0.00 |
| June 2021 | 3,982,823.91 | 3,048,963.31 | 21,135,594.57 |  | 0.00 |
| July 2021 | 3,911,159.41 | 2,994,102.13 | 20,755,150.81 |  | 0.00 |
| August 2021 | 3,840,615.41 | 2,940,098.73 | 20,380,651.56 |  | 0.00 |
| September 2021 | 3,771,175.46 | 2,886,940.50 | 20,012,009.74 |  | 0.00 |
| October 2021 | 3,702,823.32 | 2,834,615.03 | 19,649,139.50 |  | 0.00 |
| November 2021 | 3,635,543.00 | 2,783,110.07 | 19,291,956.21 |  | 0.00 |


| Distribution Date | Classes EA and FA (in the aggregate) | Classes EC and FB (in the aggregate) | Classes EL, LA, LB, LC, LD, LE and LH (in the aggregate) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| December 2021 | \$ 3,569,318.73 | \$ 2,732,413.54 | \$ 18,940,376.45 | \$ | 0.00 |
| January 2022 | 3,504,134.97 | 2,682,513.55 | 18,594,317.97 |  | 0.00 |
| February 2022. | 3,439,976.39 | 2,633,398.37 | 18,253,699.68 |  | 0.00 |
| March 2022 | 3,376,827.90 | 2,585,056.43 | 17,918,441.65 |  | 0.00 |
| April 2022 | 3,314,674.60 | 2,537,476.34 | 17,588,465.08 |  | 0.00 |
| May 2022 | 3,253,501.81 | 2,490,646.86 | 17,263,692.29 |  | 0.00 |
| June 2022 | 3,193,295.07 | 2,444,556.92 | 16,944,046.70 |  | 0.00 |
| July 2022 | 3,134,040.12 | 2,399,195.60 | 16,629,452.81 |  | 0.00 |
| August 2022 | 3,075,722.90 | 2,354,552.14 | 16,319,836.20 |  | 0.00 |
| September 2022 | 3,018,329.55 | 2,310,615.93 | 16,015,123.50 |  | 0.00 |
| October 2022 | 2,961,846.41 | 2,267,376.51 | 15,715,242.40 |  | 0.00 |
| November 2022 | 2,906,260.02 | 2,224,823.58 | 15,420,121.59 |  | 0.00 |
| December 2022 | 2,851,557.11 | 2,182,946.97 | 15,129,690.80 |  | 0.00 |
| January 2023 | 2,797,724.59 | 2,141,736.68 | 14,843,880.74 |  | 0.00 |
| February 2023. | 2,744,749.57 | 2,101,182.82 | 14,562,623.11 |  | 0.00 |
| March 2023 | 2,692,619.34 | 2,061,275.67 | 14,285,850.58 |  | 0.00 |
| April 2023 | 2,641,321.37 | 2,022,005.64 | 14,013,496.79 |  | 0.00 |
| May 2023 | 2,590,843.31 | 1,983,363.27 | 13,745,496.31 |  | 0.00 |
| June 2023 | 2,541,172.98 | 1,945,339.24 | 13,481,784.65 |  | 0.00 |
| July 2023 | 2,492,298.38 | 1,907,924.37 | 13,222,298.24 |  | 0.00 |
| August 2023 | 2,444,207.69 | 1,871,109.60 | 12,966,974.41 |  | 0.00 |
| September 2023 | 2,396,889.25 | 1,834,886.01 | 12,715,751.38 |  | 0.00 |
| October 2023 | 2,350,331.56 | 1,799,244.80 | 12,468,568.26 |  | 0.00 |
| November 2023 | 2,304,523.30 | 1,764,177.30 | 12,225,365.03 |  | 0.00 |
| December 2023 | 2,259,453.31 | 1,729,674.96 | 11,986,082.51 |  | 0.00 |
| January 2024 | 2,215,110.58 | 1,695,729.36 | 11,750,662.38 |  | 0.00 |
| February 2024. | 2,171,484.26 | 1,662,332.19 | 11,519,047.15 |  | 0.00 |
| March 2024 | 2,128,563.66 | 1,629,475.27 | 11,291,180.15 |  | 0.00 |
| April 2024 | 2,086,338.24 | 1,597,150.53 | 11,067,005.51 |  | 0.00 |
| May 2024 | 2,044,797.62 | 1,565,350.03 | 10,846,468.18 |  | 0.00 |
| June 2024 | 2,003,931.56 | 1,534,065.92 | 10,629,513.87 |  | 0.00 |
| July 2024 | 1,963,729.97 | 1,503,290.48 | 10,416,089.09 |  | 0.00 |
| August 2024 | 1,924,182.90 | 1,473,016.09 | 10,206,141.10 |  | 0.00 |
| September 2024 | 1,885,280.55 | 1,443,235.26 | 9,999,617.91 |  | 0.00 |
| October 2024 | 1,847,013.26 | 1,413,940.58 | 9,796,468.30 |  | 0.00 |
| November 2024 | 1,809,371.51 | 1,385,124.77 | 9,596,641.76 |  | 0.00 |
| December 2024 | 1,772,345.91 | 1,356,780.64 | 9,400,088.51 |  | 0.00 |
| January 2025 | 1,735,927.20 | 1,328,901.10 | 9,206,759.48 |  | 0.00 |
| February 2025. | 1,700,106.28 | 1,301,479.18 | 9,016,606.32 |  | 0.00 |
| March 2025 | 1,664,874.15 | 1,274,508.00 | 8,829,581.35 |  | 0.00 |
| April 2025 | 1,630,221.96 | 1,247,980.78 | 8,645,637.59 |  | 0.00 |
| May 2025 | 1,596,140.98 | 1,221,890.83 | 8,464,728.72 |  | 0.00 |
| June 2025 | 1,562,622.60 | 1,196,231.57 | 8,286,809.10 |  | 0.00 |


| Distribution Date | Classes EA and FA (in the aggregate) | Classes EC and FB (in the aggregate) | Classes EL, LA, LB, LC, LD, LE and LH (in the aggregate) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| July 2025 | \$ 1,529,658.34 | \$ 1,170,996.51 | \$ 8,111,833.74 | \$ | 0.00 |
| August 2025 | 1,497,239.85 | 1,146,179.25 | 7,939,758.30 |  | 0.00 |
| September 2025 | 1,465,358.89 | 1,121,773.49 | 7,770,539.07 |  | 0.00 |
| October 2025 | 1,434,007.34 | 1,097,773.01 | 7,604,132.96 |  | 0.00 |
| November 2025 | 1,403,177.21 | 1,074,171.68 | 7,440,497.52 |  | 0.00 |
| December 2025 | 1,372,860.60 | 1,050,963.47 | 7,279,590.90 |  | 0.00 |
| January 2026 | 1,343,049.75 | 1,028,142.43 | 7,121,371.86 |  | 0.00 |
| February 2026. | 1,313,736.99 | 1,005,702.70 | 6,965,799.74 |  | 0.00 |
| March 2026 | 1,284,914.78 | 983,638.49 | 6,812,834.48 |  | 0.00 |
| April 2026 | 1,256,575.68 | 961,944.12 | 6,662,436.59 |  | 0.00 |
| May 2026 | 1,228,712.36 | 940,613.97 | 6,514,567.14 |  | 0.00 |
| June 2026 | 1,201,317.59 | 919,642.51 | 6,369,187.78 |  | 0.00 |
| July 2026 | 1,174,384.25 | 899,024.29 | 6,226,260.70 |  | 0.00 |
| August 2026 | 1,147,905.32 | 878,753.93 | 6,085,748.64 |  | 0.00 |
| September 2026 | 1,121,873.89 | 858,826.14 | 5,947,614.89 |  | 0.00 |
| October 2026 | 1,096,283.14 | 839,235.71 | 5,811,823.24 |  | 0.00 |
| November 2026 | 1,071,126.35 | 819,977.49 | 5,678,338.04 |  | 0.00 |
| December 2026 | 1,046,396.91 | 801,046.41 | 5,547,124.12 |  | 0.00 |
| January 2027 | 1,022,088.29 | 782,437.48 | 5,418,146.85 |  | 0.00 |
| February 2027. | 998,194.06 | 764,145.78 | 5,291,372.08 |  | 0.00 |
| March 2027 | 974,707.89 | 746,166.45 | 5,166,766.16 |  | 0.00 |
| April 2027 | 951,623.53 | 728,494.73 | 5,044,295.93 |  | 0.00 |
| May 2027 | 928,934.84 | 711,125.90 | 4,923,928.70 |  | 0.00 |
| June 2027 | 906,635.74 | 694,055.32 | 4,805,632.27 |  | 0.00 |
| July 2027 | 884,720.27 | 677,278.41 | 4,689,374.90 |  | 0.00 |
| August 2027 | 863,182.53 | 660,790.67 | 4,575,125.31 |  | 0.00 |
| September 2027 | 842,016.72 | 644,587.65 | 4,462,852.67 |  | 0.00 |
| October 2027 | 821,217.13 | 628,664.98 | 4,352,526.60 |  | 0.00 |
| November 2027 | 800,778.12 | 613,018.35 | 4,244,117.17 |  | 0.00 |
| December 2027 | 780,694.14 | 597,643.50 | 4,137,594.87 |  | 0.00 |
| January 2028 | 760,959.71 | 582,536.24 | 4,032,930.63 |  | 0.00 |
| February 2028. | 741,569.45 | 567,692.45 | 3,930,095.79 |  | 0.00 |
| March 2028 | 722,518.04 | 553,108.06 | 3,829,062.13 |  | 0.00 |
| April 2028 | 703,800.24 | 538,779.06 | 3,729,801.82 |  | 0.00 |
| May 2028 | 685,410.90 | 524,701.51 | 3,632,287.44 |  | 0.00 |
| June 2028 | 667,344.93 | 510,871.51 | 3,536,491.97 |  | 0.00 |
| July 2028 | 649,597.33 | 497,285.22 | 3,442,388.79 |  | 0.00 |
| August 2028 | 632,163.15 | 483,938.87 | 3,349,951.66 |  | 0.00 |
| September 2028 | 615,037.54 | 470,828.74 | 3,259,154.72 |  | 0.00 |
| October 2028 | 598,215.70 | 457,951.15 | 3,169,972.50 |  | 0.00 |
| November 2028 | 581,692.91 | 445,302.49 | 3,082,379.90 |  | 0.00 |
| December 2028 | 565,464.51 | 432,879.20 | 2,996,352.18 |  | 0.00 |
| January 2029 | 549,525.92 | 420,677.77 | 2,911,864.96 |  | 0.00 |


| Distribution Date | Classes EA and FA (in the aggregate) | Classes EC and FB (in the aggregate) | Classes EL, LA, LB, (in the aggregate) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| February 2029. | 533,872.62 | 408,694.74 | \$ 2,828,894.23 | \$ | 0.00 |
| March 2029 | 518,500.16 | 396,926.70 | 2,747,416.31 |  | 0.00 |
| April 2029 | 503,404.16 | 385,370.29 | 2,667,407.89 |  | 0.00 |
| May 2029 | 488,580.29 | 374,022.20 | 2,588,845.98 |  | 0.00 |
| June 2029 | 474,024.29 | 362,879.18 | 2,511,707.94 |  | 0.00 |
| July 2029 | 459,731.97 | 351,938.01 | 2,435,971.46 |  | 0.00 |
| August 2029 | 445,699.20 | 341,195.53 | 2,361,614.56 |  | 0.00 |
| September 2029 | 431,921.90 | 330,648.62 | 2,288,615.57 |  | 0.00 |
| October 2029 | 418,396.05 | 320,294.21 | 2,216,953.16 |  | 0.00 |
| November 2029 | 405,117.71 | 310,129.27 | 2,146,606.29 |  | 0.00 |
| December 2029 | 392,082.97 | 300,150.82 | 2,077,554.24 |  | 0.00 |
| January 2030 | 379,288.00 | 290,355.92 | 2,009,776.60 |  | 0.00 |
| February 2030 | 366,729.02 | 280,741.67 | 1,943,253.25 |  | 0.00 |
| March 2030 | 354,402.30 | 271,305.22 | 1,877,964.37 |  | 0.00 |
| April 2030 | 342,304.17 | 262,043.76 | 1,813,890.44 |  | 0.00 |
| May 2030 | 330,431.01 | 252,954.53 | 1,751,012.21 |  | 0.00 |
| June 2030 | 318,779.26 | 244,034.79 | 1,689,310.73 |  | 0.00 |
| July 2030 | 307,345.41 | 235,281.86 | 1,628,767.33 |  | 0.00 |
| August 2030 | 296,126.00 | 226,693.09 | 1,569,363.60 |  | 0.00 |
| September 2030 | 285,117.62 | 218,265.87 | 1,511,081.42 |  | 0.00 |
| October 2030 | 274,316.91 | 209,997.63 | 1,453,902.92 |  | 0.00 |
| November 2030 | 263,720.57 | 201,885.83 | 1,397,810.51 |  | 0.00 |
| December 2030 | 253,325.34 | 193,927.99 | 1,342,786.86 |  | 0.00 |
| January 2031 | 243,128.00 | 186,121.64 | 1,288,814.88 |  | 0.00 |
| February 2031. | 233,125.40 | 178,464.37 | 1,235,877.75 |  | 0.00 |
| March 2031 | 223,314.42 | 170,953.79 | 1,183,958.89 |  | 0.00 |
| April 2031 | 213,691.99 | 163,587.55 | 1,133,041.97 |  | 0.00 |
| May 2031 | 204,255.09 | 156,363.34 | 1,083,110.90 |  | 0.00 |
| June 2031 | 195,000.73 | 149,278.87 | 1,034,149.83 |  | 0.00 |
| July 2031 | 185,925.99 | 142,331.90 | 986,143.14 |  | 0.00 |
| August 2031 | 177,027.97 | 135,520.22 | 939,075.46 |  | 0.00 |
| September 2031 | 168,303.82 | 128,841.64 | 892,931.63 |  | 0.00 |
| October 2031 | 159,750.74 | 122,294.02 | 847,696.72 |  | 0.00 |
| November 2031 | 151,365.97 | 115,875.25 | 803,356.02 |  | 0.00 |
| December 2031 | 143,146.79 | 109,583.24 | 759,895.05 |  | 0.00 |
| January 2032 | 135,090.51 | 103,415.93 | 717,299.54 |  | 0.00 |
| February 2032. | 127,194.49 | 97,371.31 | 675,555.43 |  | 0.00 |
| March 2032 | 119,456.13 | 91,447.38 | 634,648.88 |  | 0.00 |
| April 2032 | 111,872.87 | 85,642.18 | 594,566.24 |  | 0.00 |
| May 2032 | 104,442.18 | 79,953.78 | 555,294.08 |  | 0.00 |
| June 2032 | 97,161.57 | 74,380.27 | 516,819.16 |  | 0.00 |
| July 2032 | 90,028.60 | 68,919.78 | 479,128.44 |  | 0.00 |
| August 2032 | 83,040.85 | 63,570.46 | 442,209.08 |  | 0.00 |


| Distribution Date | Classes EA and FA <br> (in the aggregate) |  | Classes EC and FB <br> (in the aggregate) |  | Classes EL, LA, LB, <br> LC, LD, LE and LH <br> (in the aggregate) |  | Class JX |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| September 2032 | \$ | 76,195.95 | \$ | 58,330.50 | \$ | 406,048.43 | \$ | 0.00 |
| October 2032 |  | 69,491.55 |  | 53,198.10 |  | 370,634.03 |  | 0.00 |
| November 2032 |  | 62,925.35 |  | 48,171.49 |  | 335,953.60 |  | 0.00 |
| December 2032 |  | 56,495.08 |  | 43,248.94 |  | 301,995.06 |  | 0.00 |
| January 2033 |  | 50,198.50 |  | 38,428.73 |  | 268,746.50 |  | 0.00 |
| February 2033. |  | 44,033.41 |  | 33,709.18 |  | 236,196.19 |  | 0.00 |
| March 2033 |  | 37,997.64 |  | 29,088.63 |  | 204,332.58 |  | 0.00 |
| April 2033 |  | 32,089.05 |  | 24,565.44 |  | 173,144.30 |  | 0.00 |
| May 2033 |  | 26,305.53 |  | 20,137.99 |  | 142,620.13 |  | 0.00 |
| June 2033 |  | 20,645.01 |  | 15,804.71 |  | 112,749.04 |  | 0.00 |
| July 2033 |  | 15,105.45 |  | 11,564.02 |  | 83,520.16 |  | 0.00 |
| August 2033 |  | 9,684.84 |  | 7,414.39 |  | 54,922.78 |  | 0.00 |
| September 2033 |  | 4,381.20 |  | 3,354.30 |  | 26,946.35 |  | 0.00 |
| October 2033 and thereafter . . . . . |  | 0.00 |  | 0.00 |  | 0.00 |  | 0.00 |

Exhibit A
 Wepproximate
Wemhted Average
Rem Matng Term
to Marurity of
Mortgage Loans
(in months)




[^2]
## Exhibit B

## Cover Pages and Terms Sheets

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# Government National Mortgage Association 

 GINNIE MAE ${ }^{\circledR}$Guaranteed REMIC Pass-Through Securities<br>and MX Securities<br>Ginnie Mae REMIC Trust 2003-070

> The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page S-9 which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

## The Trust and its Assets

The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be August 29, 2003.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Citigroup

 Williams Capital Group, L.P.
## Ginnie Mae REMIC Trust 2003-070

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | Original Principal Balance(2) | Interest Rate | Principal <br> Type(3) | Interest <br> Type(3) | Final <br> Distribution Date(4) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| GA | \$ 18,952,000 | 5.5\% | SUP | FIX | July 2030 | 38374 BB36 |
| GB | 3,901,000 | 5.5 | SUP | FIX | December 2030 | 38374 BB44 |
| GC | 6,539,000 | 5.5 | SUP | FIX | October 2031 | 38374 BB51 |
| GD | 2,730,000 | 5.5 | SUP | FIX | February 2032 | 38374 BB69 |
| GE | 14,258,000 | 5.5 | SUP | FIX | August 2033 | 38374 BB77 |
| PA | 65,000,000 | 5.5 | PAC | FIX | August 2032 | 38374 BB85 |
| PB | 10,000,000 | 5.5 | PAC | FIX | August 2033 | 38374 BB93 |
| Security Group 2 |  |  |  |  |  |  |
| KA (1) | 25,200,000 | 5.0 | SUP | FIX | November 2030 | 38374 BC 27 |
| KB (1) | 7,900,000 | 5.0 | SUP | FIX | May 2031 | 38374 BC35 |
| KC (1) | 7,350,000 | 5.5 | SUP | FIX | January 2032 | 38374 BC43 |
| KD (1) | 6,000,000 | 5.5 | SUP | FIX | August 2033 | 38374 BC50 |
| KE. | 18,075,000 | 6.0 | SUP | FIX | August 2033 | 38374 BC68 |
| KF | 1,527,778 | (5) | SUP | FLT/DLY | January 2032 | 38374 BC76 |
| KO | 5,225,000 | 0.0 | SUP | PO | August 2033 | 38374 BC 84 |
| KS | 1,001,543 | (5) | SUP | INV/DLY | January 2032 | 38374 BC 92 |
| KT | 220,679 | (5) | SUP | INV/DLY | January 2032 | 38374 BD 26 |
| LA(1) | 20,000,000 | 5.0 | PAC | FIX | September 2021 | 38374 BD 34 |
| LB (1) | 51,400,000 | 5.0 | PAC | FIX | September 2026 | 38374 BD 42 |
| LC (1) | 20,000,000 | 5.0 | PAC | FIX | April 2028 | 38374 BD 59 |
| LD | 21,700,000 | 5.0 | PAC | FIX | October 2029 | 38374 BD67 |
| LE | 44,000,000 | 5.0 | PAC | FIX | July 2032 | 38374 BD 75 |
| LG | 20,400,000 | 5.0 | PAC | FIX | August 2033 | 38374 BD 83 |
| Security Group 3 |  |  |  |  |  |  |
| JA | 1,850,000 | 5.5 | SC/PAC II | FIX | July 2033 | 38374 BD 91 |
| JB | 1,150,000 | 5.5 | SC/PAC II | FIX | July 2033 | 38374 BE 25 |
| JC | 4,200,000 | 5.5 | SC/PAC II | FIX | July 2033 | 38374 BE 33 |
| JD. | 350,000 | 5.5 | SC/PAC II | FIX | July 2033 | 38374 BE 41 |
| JE | 9,264,409 | 5.5 | SC/PAC II | FIX | July 2033 | 38374 BE 58 |
| JK | 50,719 | 5.5 | SC/SUP | FIX | July 2033 | 38374 BE66 |
| MB (1) | 5,850,000 | 5.5 | SC/PAC I | FIX | July 2033 | 38374 BE 74 |
| MC... | 32,500,000 | 5.5 | SC/PAC I | FIX | July 2033 | 38374 BE 82 |
| MD | 4,700,000 | 5.5 | SC/PAC I | FIX | July 2033 | 38374 BE 90 |
| ME | 35,150,000 | 5.5 | SC/SUP | FIX | July 2033 | 38374 B3R2 |
| MG | 3,450,000 | 5.5 | SC/SUP | FIX | July 2033 | 38374 BF 24 |
| MH | 3,000,000 | 5.5 | SC/SUP | FIX | July 2033 | 38374 BF 32 |
| MJ | 2,950,000 | 5.5 | SC/PAC II/AD | FIX | July 2015 | 38374 BF 40 |
| MK | 2,000,000 | 5.5 | SC/PAC II/AD | FIX | December 2016 | 38374 BF65 |
| ML | 2,387,778 | 5.5 | SC/PAC II/AD | FIX | June 2018 | 38374 BF 57 |
| MN(1) | 76,000,000 | 5.5 | SC/PAC I | FIX | July 2033 | 38374 BF73 |
| MT(1) | 18,300,000 | 5.5 | SC/PAC I | FIX | July 2033 | 38374 BF 81 |
| MV. | 8,997,813 | 5.5 | AD/SC/PAC II | FIX | April 2013 | $38374 \mathrm{BF99}$ |
| MZ | 13,000,000 | 5.5 | SC/PAC II | FIX/Z | July 2033 | 38374 B 3 S0 |
| Security Group 4 |  |  |  |  |  |  |
| EG (1) | 30,000,000 | 0.0 | PAC I | PO | August 2033 | 38374 BG 23 |
| IG (1) | 30,000,000 | 5.5 | NTL(PAC I) | FIX/IO | August 2033 | 38374 BG31 |
| TA(1) | 82,200,000 | 5.5 | PAC I | FIX | March 2025 | 38374 BG 49 |
| TB (1) | 107,100,000 | 5.5 | PAC I | FIX | February 2028 | 38374 BG56 |
| TC (1) | 66,300,000 | 5.5 | PAC I | FIX | August 2029 | 38374 BG64 |
| TD (1) | 55,050,000 | 5.5 | PAC I | FIX | October 2030 | 38374 BG72 |
| TE | 124,050,000 | 5.5 | PAC I | FIX | February 2033 | 38374 BG80 |
| TV(1) | 72,450,000 | 5.5 | PAC II/AD | FIX | February 2018 | 38374 BG 98 |
| TZ | 60,000,000 | 5.5 | PAC II | FIX/Z | August 2033 | 38374 BH 22 |
| YA | 137,700,000 | 5.5 | SUP | FIX | May 2033 | 38374 BH 30 |
| YB | 15,030,000 | 5.5 | SUP | FIX | August 2033 | 38374 BH48 |
| YC | 120,000 | 5.5 | SUP | FIX | August 2033 | 38374 BH 55 |
| Residual |  |  |  |  |  |  |
| RR. | 0 | 0.0 | NPR | NPR | August 2033 | 38374 BH 63 |

(1) These Securities may be exchanged for MX Securities described in Schedule I.
(2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for the Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of the Notional Class will be reduced is indicated in parentheses.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(5) See "Terms Sheet - Interest Rates" in this Supplement.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: August 29, 2003
Distribution Dates: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in September 2003.

Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II | 5.5\% | 30 |
| 2 | Ginnie Mae II | 5.0\% | 30 |
| 3 | Underlying Certificates | (1) | (1) |
| 4 | Ginnie Mae II | 5.5\% | 30 |

${ }^{(1)}$ Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2 and 4 Trust Assets ${ }^{1}$ :

| Weighted Average <br> Principal <br> Ralance ${ }^{2}$ |
| :--- |
| Maturity (in months) |


| Weighted Average <br> Loan Age <br> (in months) | Weighted <br> Average <br> Mortgage Rate ${ }^{3}$ |
| :---: | :---: |

## Group 1 Trust Assets

 \$121,380,000 3572
6.250\%

Group 2 Trust Assets \$250,000,000 357

2
$5.600 \%$

## Group 4 Trust Assets

 \$750,000,000 3543
$6.257 \%$
${ }^{1}$ As of August 1, 2003.
${ }^{2}$ Does not include Group 2 Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Group 1, 2 and 4 Trust Assets may bear interest at rates ranging from $0.25 \%$ to $1.50 \%$ per annum above the related Certificate Rate.
The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 2 and 4 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trust.
Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.
Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.
Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only or Inverse Floating Rate Class. See "Description of the Securities - Form of Securities" in this Supplement.
Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | Initial <br> Interest <br> Rate(2) | $\underset{\text { Rate }}{\text { Minimum }}$ | Maximum Rate | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| KF | LIBOR + 1.35\% | 2.450000\% | 1.35\% | 7.50000\% | 19 | 0.00\% |
| KS | 11.38983\% - (LIBOR $\times 1.525424$ ) | 9.711864 | 3.00 | 11.38983 | 19 | 5.50 |
| KT | 45.576923\% - (LIBOR $\times 6.923077$ ) | 7.500000 | 3.00 | 7.50000 | 19 | 6.15 |

(1)LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

The Group 1 Principal Distribution Amount will be allocated in the following order of priority:

1. Sequentially, to PA and PB , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Sequentially, to $G A, G B, G C, G D$ and $G E$, in that order, until retired
3. Sequentially, to PA and PB , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 2

A percentage of the Group 2 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") will be allocated in the following order of priority:

1. Sequentially, to $\mathrm{LA}, \mathrm{LB}, \mathrm{LC}, \mathrm{LD}, \mathrm{LE}$ and LG , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Sequentially, to KA and KB , in that order, until retired
3. Concurrently,
a. $9.0909090909 \%$ to KO
b. $90.9090909091 \%$ to $\mathrm{KC}, \mathrm{KF}, \mathrm{KS}$ and KT , pro rata, until retired
4. Concurrently, to $\mathrm{KD}, \mathrm{KE}$ and KO , pro rata, based on their then outstanding principal balances, until retired
5. Sequentially, to $L A, L B, L C, L D, L E$ and $L G$, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 3

The Group 3 Principal Distribution Amount and the MZ Accrual Amount will be allocated as follows:

- The MZ Accrual Amount, sequentially, to MV, MJ, MK, ML and MZ, in that order, until retired
- The Group 3 Principal Distribution Amount in the following order of priority:

1. Sequentially, to $M N, M T, M B, M C$ and $M D$, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To the PAC II Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, concurrently as follows:
a. $36.4342556880 \%$ sequentially, to JA, JB, JC, JD and JE, in that order, until retired
b. $63.5657443120 \%$ sequentially, to MJ, MK, ML, MV and MZ, in that order, until retired
3. Sequentially, to ME, MG, MH and JK, in that order, until retired
4. To the PAC II Classes in the same manner and priority as described in step 2 above, but without regard to their Aggregate Scheduled Principal Balances, until retired
5. Sequentially, to $\mathrm{MN}, \mathrm{MT}, \mathrm{MB}, \mathrm{MC}$ and MD , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 4

The Group 4 Principal Distribution Amount and the TZ Accrual will be allocated as follows:

- The TZ Accrual Amount, sequentially, to TV and TZ, in that order, until retired
- The Group 4 Principal Distribution Amount in the following order of priority:

1. Sequentially, to TA, TB, TC, TD, TE and EG, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Sequentially, to TV and TZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
3. Sequentially, to YA, YB and YC, in that order, until retired
4. Sequentially, to TV and TZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired
5. Sequentially, to TA, TB, TC, TD, TE and EG, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

Scheduled Principal Balances: The Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges:

## Class

PA and PB (in the aggregate)
LA, LB, LC, LD, LE and LG (in the aggregate)
MB, MC, MD, MN and MT (in the aggregate)
JA, JB, JC, JD, JE, MJ, MK, ML, MV and
MZ (in the aggregate)
EG, TA, TB, TC, TD and TE (in the aggregate)
TV and TZ (in the aggregate)
A
Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| CI | \$255,600,000 | 100\% of TA, TB and TC (in the aggregate) (PAC I Classes) |
| DI. | \$310,650,000 | 100\% of TA, TB, TC and TD (in the aggregate) (PAC I Classes) |
| HI. | \$ 82,200,000 | 100\% of TA (PAC I Class) |
| IB | \$ 30,840,000 | 60\% of LB (PAC Class) |
| IC | \$ 6,000,000 | 30\% of LC (PAC Class) |
| IG | \$ 30,000,000 | 100\% of EG (PAC I Class) |
| IH. | \$107,100,000 | 100\% of TB (PAC I Class) |
| IL | \$ 12,000,000 | 60\% of LA (PAC Class) |
| IM. | \$ 94,300,000 | 100\% of MN and MT (in the aggregate) (SC/PAC I Classes) |
| IN | \$ 18,300,000 | 100\% of MT (SC/PAC I Class) |
| IT. | \$ 5,850,000 | 100\% of MB (SC/PAC I Class) |
|  | 17,329,692 | 94.6977704918\% of MT (SC/PAC I Class) |
|  | $\underline{\text { \$ 23,179,692 }}$ |  |
| NI . | \$ 66,300,000 | 100\% of TC (PAC I Class) |
| OI. | \$ 76,000,000 | 100\% of MN (SC/PAC I Class) |
| VI | \$ 72,450,000 | 100\% of TV (PAC II / AD Class) |
| XI | \$189,300,000 | 100\% of TA and TB (in the aggregate) (PAC I Classes) |

Tax Status: Double REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.
Regular and Residual Classes: Class $R R$ is a Residual Class and includes the Residual Interest of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.
Available Combinations(1)

| REMIC Securities |  | urities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | Maximum <br> Original Class <br> Principal Batance <br> or Classs Notional <br> Balance(2) | Principal <br> Type (3) | Interest Rate | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ |  | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Security Group 2 Combination 1(5) |  |  |  |  |  |  |  |  |
| LA | \$ 20,000,000 | IL | \$ 12,000,000 | NTL(PAC) | 5.00\% | FIX/IO | 38374BH71 | September 2021 |
|  |  | LH | 20,000,000 | PAC | 2.00 | FIX | 38374 BH 89 | September 2021 |
|  |  | LJ | 20,000,000 | PAC | 2.25 | FIX | 38374 BH 97 | September 2021 |
|  |  | LK | 20,000,000 | PAC | 2.50 | FIX | 38374 BJ 20 | September 2021 |
|  |  | LM | 20,000,000 | PAC | 3.00 | FIX | 38374 BJ 38 | September 2021 |
|  |  | LN | 20,000,000 | PAC | 3.50 | FIX | 38374 BJ 46 | September 2021 |
|  |  | LT | 20,000,000 | PAC | 4.00 | FIX | 38374 BJ 53 | September 2021 |
|  |  | LU | 20,000,000 | PAC | 4.50 | FIX | 38374 BJ 61 | September 2021 |
| Combination 2(5) |  |  |  |  |  |  |  |  |
| LB | \$ 51,400,000 | BC | \$ 51,400,000 | PAC | 2.00\% | FIX | 38374 BJ 79 | September 2026 |
|  |  | BD | 51,400,000 | PAC | 2.25 | FIX | 38374 BJ 87 | September 2026 |
|  |  | BE | 51,400,000 | PAC | 2.50 | FIX | 38374 BJ 95 | September 2026 |
|  |  | BG | 51,400,000 | PAC | 3.00 | FIX | 38374 BK 28 | September 2026 |
|  |  | BH | 51,400,000 | PAC | 3.50 | FIX | 38374 BK 36 | September 2026 |
|  |  | BJ | 51,400,000 | PAC | 4.00 | FIX | 38374 BK 44 | September 2026 |
|  |  | BK | 51,400,000 | PAC | 4.50 | FIX | 38374 BK 51 | September 2026 |
|  |  | IB | 30,840,000 | NTL(PAC) | 5.00 | FIX/IO | 38374 BK 69 | September 2026 |
| Combination 3(5) |  |  |  |  |  |  |  |  |
| LC | \$ 20,000,000 | BL | \$ 20,000,000 | PAC | 3.50\% | FIX | 38374 BL2 7 | April 2028 |
|  |  | BM | 20,000,000 | PAC | 4.00 | FIX | 38374 BL35 | April 2028 |
|  |  | BN | 20,000,000 | PAC | 4.50 | FIX | 38374 BL 43 | April 2028 |
|  |  | IC | 6,000,000 | NTL(PAC) | 5.00 | FIX/IO | 38374 BL 50 | April 2028 |
| Combination 4(5) |  |  |  |  |  |  |  |  |
| KA | \$ 25,200,000 | BO | \$ 4,200,000 | SUP | 0.00\% | PO | 38374 BL68 | November 2030 |
|  |  | BT | 24,000,000 | SUP | 5.25 | FIX | 38374 BL76 | November 2030 |
|  |  | BU | 22,909,090 | SUP | 5.50 | FIX | 38374 BL 84 | November 2030 |
|  |  | BX | 21,913,043 | SUP | 5.75 | FIX | 38374 BL 92 | November 2030 |
|  |  | BY | 21,000,000 | SUP | 6.00 | FIX | 38374 BM 26 | November 2030 |


| MX Securities |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\underset{\text { Principal Class }}{\text { Orinal }}$ Principal Balance or Class Notional Balance(2) | Principal Type(3) | Interest Rate | Interest Type(3) | $\underset{\text { Number }}{\text { Nusip }}$ | Final Distribution Date $(4)$ |
| 1,316,667 | SUP | 0.00\% | PO | 38374 BM 34 | May 2031 |
| 7,523,809 | SUP | 5.25 | FIX | 38374 BM 42 | May 2031 |
| 7,181,818 | SUP | 5.50 | FIX | 38374BM59 | May 2031 |
| 6,869,565 | SUP | 5.75 | FIX | 38374 BM 67 | May 2031 |
| 6,583,333 | SUP | 6.00 | FIX | 38374 BM 75 | May 2031 |
| 7,030,434 | SUP | 5.75\% | FIX | 38374 BM 83 | January 2032 |
| 6,737,500 | SUP | 6.00 | FIX | 38374 BM 91 | January 2032 |
| 612,500 | SUP | 0.00 | PO | 38374 BN 25 | January 2032 |
| \$ 5,739,130 | Sup | 5.75\% | FIX | 38374 BN 33 | August 2033 |
| 5,500,000 | SUP | 6.00 | FIX | 38374 BN 41 | August 2033 |
| 500,000 | SUP | 0.00 | PO | 38374 BN 58 | August 2033 |
| \$ 23,179,692 | SC/PAC I | 5.50\% | FIX | 38374 BN 66 | July 2033 |
| \$ 94,300,000 | SC/PAC I | 5.50\% | FIX | 38374 BN 74 | July 2033 |
| 76,000,000 | SC/PAC I | 3.50\% | FIX | 38374 BN 82 | July 2033 |
| 76,000,000 | SC/PAC I | 4.00 | FIX | 38374 BN 90 | July 2033 |
| 76,000,000 | SC/PAC I | 4.50 | FIX | 38374 BP 23 | July 2033 |
| 76,000,000 | SC/PAC I | 5.00 | FIX | 38374 BP 31 | July 2033 |
| 59,714,285 | SC/PAC I | 7.00 | FIX | 38374 BP 49 | July 2033 |
| 76,000,000 | NTL(SC/PAC I) | 5.50 | FIX/IO | $38374 \mathrm{BP56}$ | July 2033 |
| 76,000,000 | SC/PAC I | 0.00 | PO | $38374 \mathrm{BP64}$ | July 2033 |



| REMIC Securities |  |
| :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance |
| $\underset{K B}{\text { Combination 5(5) }}$ | \$ 7,900,000 |
| Combination 6(5) | \$ 7,350,000 |
| $\underset{K D}{\text { Combination } 7(5)}$ | \$ 6,000,000 |
| Security Group 3 Combination 8 |  |
| MB | \$ 5,850,000 |
| MT | 17,329,692 |
| Combination 9 |  |
| MN | \$ 76,000,000 |
| MT | 18,300,000 |
| Combination 10(5) |  |
| MN | \$ 76,000,000 |

REMIC Securities

| Class | Original Clas Principal Balance or Class Notional Balance | $\begin{gathered} \text { Related } \\ \text { MX Class } \end{gathered}$ |  | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Interest } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Combination 11(5) |  |  |  |  |  |  |  |  |
| MT | \$ 18,300,000 | IN | \$ 18,300,000 | NTL(SC/PAC I) | 5.50\% | FIX/IO | 38374BP72 | July 2033 |
|  |  | OG | 18,300,000 | SC/PAC I | 3.50 | FIX | $38374 \mathrm{BP80}$ | July 2033 |
|  |  | OH | 18,300,000 | SC/PAC I | 4.00 | FIX | $38374 \mathrm{BP9} 98$ | July 2033 |
|  |  | OJ | 18,300,000 | SC/PAC I | 4.50 | FIX | 38374 BQ 22 | July 2033 |
|  |  | OK | 18,300,000 | SC/PAC I | 5.00 | FIX | 38374 BQ 30 | July 2033 |
|  |  | OL | 14,378,571 | SC/PAC I | 7.00 | FIX | 38374 BQ 48 | July 2033 |
|  |  | OM | 18,300,000 | SC/PAC I | 0.00 | PO | 38374 BQ 55 | July 2033 |
| Combination $12(5)$ |  |  |  |  |  |  |  |  |
| MA(6) | \$ 94,300,000 | IM | \$ 94,300,000 | NTL(SC/PAC I) | 5.50\% | FIX/IO | 38374 BQ 63 | July 2033 |
|  |  | мо | 94,300,000 | SC/PAC I | 0.00 | PO | 38374 BQ 71 | July 2033 |
|  |  | MP | 74,092,857 | SC/PAC I | 7.00 | FIX | 38374 BQ 89 | July 2033 |
|  |  | MU | 94,300,000 | SC/PAC I | 3.50 | FIX | 38374 BQ 97 | July 2033 |
|  |  | MW | 94,300,000 | SC/PAC I | 4.00 | FIX | 38374 BR21 | July 2033 |
|  |  | MX | 94,300,000 | SC/PAC I | 4.50 | FIX | 38374 BR 39 | July 2033 |
|  |  | MY | 94,300,000 | SC/PAC I | 5.00 | FIX | 38374 BR47 | July 2033 |
| Combination 13(5) |  |  |  |  |  |  |  |  |
| NT(6) | \$ 23,179,692 | IT | \$ 23,179,692 | NTL(SC/PAC I) | 5.50\% | FIX/IO | 38374 BR54 | July 2033 |
|  |  | NL | 23,179,692 | SC/PAC I | 3.50 | FIX | 38374 BR62 | July 2033 |
|  |  | NM | 23,179,692 | SC/PAC I | 4.00 | FIX | 38374 BR 70 | July 2033 |
|  |  | NO | 23,179,692 | SC/PAC I | 0.00 | PO | 38374 BR88 | July 2033 |
|  |  | NU | 23,179,692 | SC/PAC I | 4.50 | FIX | $38374 \mathrm{BR96}$ | July 2033 |
|  |  | NV | 23,179,692 | SC/PAC I | 5.00 | FIX | 38374 BS 20 | July 2033 |
|  |  | NW | 18,212,615 | SC/PAC I | 7.00 | FIX | $38374 \mathrm{BS3} 8$ | July 2033 |
| Security Group 4 |  |  |  |  |  |  |  |  |
| Combination 14 |  |  |  |  |  |  |  |  |
| EG | \$ 30,000,000 | TG | \$ 30,000,000 | PAC I | 5.50\% | FIX | 38374 BS 46 | August 2033 |
| IG | 30,000,000 |  |  |  |  |  |  |  |
| Combination 15 |  |  |  |  |  |  |  |  |
| TA | \$ 82,200,000 | XT | \$189,300,000 | PAC I | 5.50\% | FIX | $38374 \mathrm{BS5} 3$ | February 2028 |
| TB | 107,100,000 |  |  |  |  |  |  |  |
| Combination 16 |  |  |  |  |  |  |  |  |
| TA | \$82,200,000 | CT | \$255,600,000 | PAC I | 5.50\% | FIX | $38374 \mathrm{BS6} 1$ | August 2029 |
| тв | 107,100,000 |  |  |  |  |  |  |  |
| TC | 66,300,000 |  |  |  |  |  |  |  |

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REMIC Securities

| Class | Original Class Principal Balance or Class Notional Balance | - |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{c}\text { Related } \\ \text { MX Class }\end{array}$ |  | Principal Type(3) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination 17 |  |  |  |  |  |  |  |  |
| TA | \$ 82,200,000 | DT | \$310,650,000 | PAC I | 5.50\% | FIX | 38374BS79 | October 2030 |
| TB | 107,100,000 |  |  |  |  |  |  |  |
| TC | 66,300,000 |  |  |  |  |  |  |  |
| TD | 55,050,000 |  |  |  |  |  |  |  |
| Combination 18(5) |  |  |  |  |  |  |  |  |
| TA | \$ 82,200,000 | HA | \$ 82,200,000 | PAC I | 2.00\% | FIX | 38374BS87 | March 2025 |
|  |  | HB | 82,200,000 | PAC I | 2.50 | FIX | 38374BS95 | March 2025 |
|  |  | HC | 82,200,000 | PAC I | 3.00 | FIX | 38374 BT29 | March 2025 |
|  |  | HD | 82,200,000 | PAC I | 3.50 | FIX | 38374 BT37 | March 2025 |
|  |  | HE | 82,200,000 | PAC I | 4.00 | FIX | 38374 BT45 | March 2025 |
|  |  | HG | 82,200,000 | PAC I | 4.50 | FIX | 38374 BT52 | March 2025 |
|  |  | HI | 82,200,000 | NTL (PAC I) | 5.50 | FIX/IO | 38374 BT60 | March 2025 |
|  |  | HJ | 82,200,000 | PAC I | 5.00 | FIX | 38374 BT78 | March 2025 |
|  |  | HK | 75,350,000 | PAC I | 6.00 | FIX | 38374 BT86 | March 2025 |
|  |  | HL | 64,585,714 | PAC I | 7.00 | FIX | 38374BT94 | March 2025 |
|  |  | HO | 82,200,000 | PAC I | 0.00 | PO | 38374 BU 27 | March 2025 |
| Combination 19(5) |  |  |  |  |  |  |  |  |
| TB | \$107,100,000 | HM | \$107,100,000 | PAC I | 2.00\% | FIX | 38374 BU 35 | February 2028 |
|  |  | HN | 107,100,000 | PAC I | 2.50 | FIX | 38374 BU43 | February 2028 |
|  |  | HP | 107,100,000 | PAC I | 3.00 | FIX | 38374 BU50 | February 2028 |
|  |  | HT | 107,100,000 | PAC I | 3.50 | FIX | 38374 BU68 | February 2028 |
|  |  | HU | 107,100,000 | PAC I | 4.00 | FIX | 38374 BU76 | February 2028 |
|  |  | HV | 107,100,000 | PAC I | 4.50 | FIX | 38374BU84 | February 2028 |
|  |  | HW | 107,100,000 | PAC I | 5.00 | FIX | 38374 BU92 | February 2028 |
|  |  | HX | 98,175,000 | PAC I | 6.00 | FIX | 38374 BV26 | February 2028 |
|  |  | HY | 84,150,000 | PAC I | 7.00 | FIX | 38374BV34 | February 2028 |
|  |  | IH | 107,100,000 | NTL (PAC I) | 5.50 | FIX/IO | 38374BV42 | February 2028 |
|  |  | YP | 107,100,000 | PAC I | 0.00 | PO | 38374 BV59 | February 2028 |



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| REMIC Securities |  | MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | $\quad$ Related MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type(3) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination 23(5) |  |  |  |  |  |  |  |  |
| XT (6) | \$189,300,000 | XA | \$189,300,000 | PAC I | 2.00\% | FIX | 38374 BZ71 | February 2028 |
|  |  | XB | 189,300,000 | PAC I | 2.50 | FIX | 38374 BZ89 | February 2028 |
|  |  | XC | 189,300,000 | PAC I | 3.00 | FIX | 38374 BZ97 | February 2028 |
|  |  | XD | 189,300,000 | PAC I | 3.50 | FIX | 38374 B2A0 | February 2028 |
|  |  | XE | 189,300,000 | PAC I | 4.00 | FIX | 38374 B 2 B 8 | February 2028 |
|  |  | XH | 189,300,000 | PAC I | 4.50 | FIX | $38374 \mathrm{B2C6}$ | February 2028 |
|  |  | XI | 189,300,000 | NTL (PAC I) | 5.50 | FIX/IO | 38374 B 2 D 4 | February 2028 |
|  |  | XJ | 189,300,000 | PAC I | 5.00 | FIX | 38374 B 2 E 2 | February 2028 |
|  |  | XK | 173,525,000 | PAC I | 6.00 | FIX | 38374 B 2 F 9 | February 2028 |
|  |  | XL | 148,735,714 | PAC I | 7.00 | FIX | 38374 B2G7 | February 2028 |
|  |  | XP | 189,300,000 | PAC I | 0.00 | PO | 38374 B 2 H 5 | February 2028 |
| Combination 24(5) |  |  |  |  |  |  |  |  |
| TV | \$ 72,450,000 | VG | \$ 72,450,000 | PAC II/AD | 4.00\% | FIX | 38374 B 2 J 1 | February 2018 |
|  |  | VH | 72,450,000 | PAC II/AD | 4.50 | FIX | 38374 B 2 K 8 | February 2018 |
|  |  | VI | 72,450,000 | NTL (PAC II/AD) | 5.50 | FIX/IO | 38374 B2L6 | February 2018 |
|  |  | VJ | 72,450,000 | PAC II/AD | 5.00 | FIX | 38374B2M4 | February 2018 |
|  |  | VK | 72,450,000 | PAC II/AD | 5.25 | FIX | 38374 B 2 N 2 | February 2018 |
|  |  | VL | 56,925,000 | PAC II/AD | 7.00 | FIX | 38374 B 2 P 7 | February 2018 |
|  |  | VO | 72,450,000 | PAC II/AD | 0.00 | PO | 38374 B 2 Q 5 | February 2018 |

(1) All exchanges must comply with minimum denominations restrictions.
(2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notional Balance) of that Class, assuming it were to be issued on the Closing Date.
is Supplement.
See "Description of the Securities - Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations. (6) MX Class.

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# Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 2004-021

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page S-7 which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own Ginnie Mae Certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be April 30, 2004.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Ginnie Mae REMIC Trust 2004-021

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | $\underset{\text { Princinal }}{\text { Origal }}$ Balance(2) | Interest Rate | Principal Type (3) | Interest <br> Type (3) | $\begin{gathered} \begin{array}{c} \text { Final Distribution } \\ \text { Date(4) } \end{array} \\ \hline \end{gathered}$ | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| GA | \$25,340,000 | 5.0\% | SUP | FIX | October 2032 | 38374 FV 76 |
| GB | 5,000,000 | 5.0 | SUP | FIX | March 2033 | 38374 FV 84 |
| GC | 780,000 | 5.0 | SUP | FIX | March 2033 | 38374 FV 92 |
| GD | 5,070,000 | 5.0 | SUP | FIX | August 2033 | 38374 FW 26 |
| GE | 10,970,000 | 5.0 | SUP | FIX | April 2034 | 38374 FW 34 |
| PA(1) | 40,860,000 | 5.0 | PAC I | FIX | June 2025 | 38374 FW 42 |
| PB(1) | 49,590,000 | 5.0 | PAC I | FIX | May 2030 | 38374 FW 59 |
| PC(1) | 37,810,000 | 5.0 | PAC I | FIX | April 2033 | 38374 FWW 67 |
| PD | 14,910,000 | 5.0 | PAC I | FIX | April 2034 | 38374 FW 75 |
| YA | 3,180,000 | 5.0 | PAC II | FIX | November 2033 | 38374 FW 83 |
| YB | 1,530,000 | 5.0 | PAC II | FIX | January 2034 | 38374 FW 91 |
| YC | 2,100,000 | 5.0 | PAC II | FIX | February 2034 | 38374 FX 25 |
| YD | 2,860,000 | 5.0 | PAC II | FIX | April 2034 | 38374 FX 33 |
| Security Group 2 |  |  |  |  |  |  |
| A | 100,000,000 | 5.0 | SEQ | FIX | November 2031 | 38374 FX 41 |
| B | 18,729,600 | 5.0 | SEQ | FIX | April 2034 | 38374 FX 58 |
| Residual |  |  |  |  |  |  |
| R | 0 | 0.0 | NPR | NPR | April 2034 | 38374 FX 66 |

(1) These Securities may be exchanged for MX Securities described in Schedule I.
(2) Subject to increase as described under "Increase in Size" in this Supplement.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: U.S. Bank National Association
Tax Administrator: The Trustee
Closing Date: April 30, 2004
Distribution Dates: For the Group 1 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in May 2004. For the Group 2 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in May 2004.

Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type |  |  |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II |  | Certificate Rate |
| Original Term <br> To Maturity <br> (in years) |  |  |  |
| 2 | Ginnie Mae I | $5.0 \%$ | 30 |
| 2 | $5.0 \%$ | 30 |  |

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Trust Assets ${ }^{1}$ :

${ }^{1}$ As of April 1, 2004.
${ }^{2}$ Does not include the Group 1 Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Group 1 Trust Assets may bear interest at rates ranging from $0.25 \%$ to $1.50 \%$ per annum above the related Certificate Rate.

The actual remaining terms to maturity, loan ages and, in the case of the Group 1 Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes an Interest Only Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

A percentage of the Group 1 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 1 Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount") will be allocated in the following order of priority:

1. Sequentially, to $\mathrm{PA}, \mathrm{PB}, \mathrm{PC}$ and PD , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Sequentially, to $\mathrm{YA}, \mathrm{YB}, \mathrm{YC}$ and YD , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
3. Sequentially, to $G A, G B, G C, G D$ and $G E$, in that order, until retired
4. Sequentially, to YA, YB, YC and YD, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired
5. Sequentially to $\mathrm{PA}, \mathrm{PB}, \mathrm{PC}$ and PD , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 2

The Group 2 Principal Distribution Amount will be allocated, sequentially, to A and B, in that order, until retired

Scheduled Principal Balances: The Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges:
Class
PA, PB, PC and PD (in the aggregate) $\ldots \ldots \ldots \ldots \ldots$
YA, YB, YC and YD (in the aggregate) $\ldots \ldots \ldots \ldots \ldots$.

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | Original Class Notional Balance | Represents |
| :---: | :---: | :---: |
| IB | \$ 9,918,000 | 20\% of PB (PAC I Class) |
| IC | \$ 3,781,000 | $10 \%$ of PC (PAC I Class) |
| IT | \$45,225,000 | $50 \%$ of PA and PB (in the aggregate) (PAC I Classes) |
| PI | \$20,430,000 | $50 \%$ of PA (PAC I Class) |

Tax Status: Single REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.
Regular and Residual Classes: Class R is a Residual Class and includes the Residual Interest of the Trust REMIC; all other Classes of REMIC Securities are Regular Classes.
Schedule I
Available Combinations(1)

| REMIC Secur |  |  |  |  | nX Securit |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class | Related MX Class | Maximum <br> Original Class <br> Principal Batance <br> or Class Notional <br> Balance(2) | Principal <br> Type (3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Security Group 1 |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { Combination } 1 \\ & \text { PA } \\ & \text { PB } \end{aligned}$ | $\begin{array}{r} \$ 40,860,000 \\ 49,590,000 \end{array}$ | PT | \$90,450,000 | PAC I | 5.0\% | FIX | 38374 F X 74 | May 2030 |
| Combination 2(5) |  |  |  |  |  |  |  |  |
| PA | \$40,860,000 | PG | \$40,860,000 | PAC I | 2.5\% | FIX | 38374 FX 82 | June 2025 |
|  |  | PH | 40,860,000 | PAC I | 3.0 | FIX | 38374 FX 90 | June 2025 |
|  |  | PI | 20,430,000 | NTL (PAC I) | 5.0 | FIX/IO | 38374 FY 24 | June 2025 |
|  |  | PJ | 40,860,000 | PAC I | 3.5 | FIX | 38374 FY3 2 | June 2025 |
|  |  | PK | 40,860,000 | PAC I | 4.0 | FIX | 38374 FY40 | June 2025 |
|  |  | PL | 40,860,000 | PAC I | 4.5 | FIX | 38374 FY 57 | June 2025 |
| Combination 3(5) |  |  |  |  |  |  |  |  |
| PB | \$49,590,000 | IB | \$ 9,918,000 | NTL (PAC I) | 5.0\% | FIX/IO | 38374 FY 65 | May 2030 |
|  |  | PX | 49,590,000 | PAC I | 4.0 | FIX | 38374 FY73 | May 2030 |
|  |  | PY | 49,590,000 | PAC I | 4.5 | FIX | 38374 FY8 1 | May 2030 |
| Combination 4 |  |  |  |  |  |  |  |  |
| PC | \$37,810,000 | IC | \$ 3,781,000 | NTL (PAC I) | 5.0\% | FIX/IO | 38374 FY 99 | April 2033 |
|  |  | PE | 37,810,000 | PAC I | 4.5 | FIX | 38374 F Z 23 | April 2033 |


|  |  |  |  |  | MX Securi |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance | Related <br> MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Interest } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | CUSIP <br> Number | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination 5(5) |  |  |  |  |  |  |  |  |
|  |  | PM | 90,450,000 | PAC I | 2.5 | FIX | 38374 F Z 49 | May 2030 |
|  |  | PN | 90,450,000 | PAC I | 3.0 | FIX | 38374 F Z 56 | May 2030 |
|  |  | PU | 90,450,000 | PAC I | 3.5 | FIX | 38374 F Z 64 | May 2030 |
|  |  | PV | 90,450,000 | PAC I | 4.0 | FIX | 38374 F Z 72 | May 2030 |
|  |  | PW | 90,450,000 | PAC I | 4.5 | FIX | 38374 F Z 80 | May 2030 |

(1) All exchanges must comply with minimum denominations restrictions.
(2) The amount shown for each MX Class represents the maximum Original
(2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notional Balance) of that Class, assuming it were to be issued on the Closing Date. Exchange" in the Base Offering Circular for a discussion of subcombinations.

# Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities<br>and MX Securities<br>Ginnie Mae REMIC Trust 2003-113

> The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page S-6 which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

## The Trust and its Assets

The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be December 30, 2003.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Citigroup

## Williams Capital Group, L.P.

## Ginnie Mae REMIC Trust 2003-113

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | $\begin{gathered} \text { Original } \\ \text { Principal } \\ \text { Balance(2) } \end{gathered}$ | Interest Rate | Principal <br> Type(3) | Interest <br> Type(3) | Final Distribution Date(4) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| A (1) | \$472,640,000 | 4.50\% | SEQ / AD | FIX | August 2026 | $38374 \mathrm{EG68}$ |
| VA(1) | 64,680,000 | 4.50 | AD / SEQ | FIX | January 2015 | $38374 \mathrm{EG76}$ |
| VB(1) | 61,880,000 | 4.50 | SEQ/AD | FIX | February 2022 | $38374 \mathrm{EG84}$ |
| ZA | 100,800,000 | 4.50 | SEQ | FIX / Z | December 2033 | $38374 \mathrm{EG92}$ |
| Security Group 2 |  |  |  |  |  |  |
| NA (1) | 81,978,841 | 4.50 | SC/SEQ | FIX | October 2032 | 38374 EH 26 |
| NC(1) | 12,222,223 | 4.50 | SC/SEQ | FIX | October 2032 | 38374 EH 34 |
| Residual |  |  |  |  |  |  |
| R | 0 | 0.00 | NPR | NPR | December 2033 | 38374 EH 42 |

(1) These Securities may be exchanged for MX Securities described in Schedule I.
(2) Subject to increase as described under "Increase in Size" in this Supplement.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: Wells Fargo Bank, N.A.
Tax Administrator: The Trustee
Closing Date: December 30, 2003
Distribution Dates: For the Group 1 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in January 2004. For the Group 2 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in January 2004.

Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type | Certificate Rate | Original Term <br> To Maturity <br> (in years) |  |
| :---: | :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae I | $4.5 \%$ <br> 2 | Underlying Certificates |  |

${ }^{(1)}$ Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1 Trust Assets ${ }^{1}$ :


The actual remaining terms to maturity and loan ages of many of the Mortgage Loans underlying the Group 1 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trusts.
Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only or Interest Only Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

A percentage of the Group 1 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 1 Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount") and the ZA Accrual Amount will be allocated as follows:

- The ZA Accrual Amount, sequentially, to VA, VB, A and ZA, in that order, until retired
- The Group 1 Adjusted Principal Distribution Amount, sequentially, to A, VA, VB and ZA, in that order, until retired


## SECURITY GROUP 2

- The Group 2 Principal Distribution Amount will be allocated, sequentially, to NA and NC, in that order, until retired

Accrual Class: Interest will accrue on the Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Class as interest. Interest so accrued on the Accrual Class on each Distribution Date will constitute the Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | $\begin{aligned} & \text { Original Class } \\ & \text { Notional Balance } \end{aligned}$ | Represents Approximately |
| :---: | :---: | :---: |
| AI | \$472,640,000 | 100\% of A (SEQ / AD Class) |
| BI | \$ 94,201,064 | 100\% of NA and NC (in the aggregate) (SC/SEQ Classes) |
| CI | \$ 12,222,223 | 100\% of NC (SC/SEQ Class) |
| NI | \$ 81,978,841 | 100\% of NA (SC/SEQ Class) |
| VI | $\begin{array}{r} \$ 534,520,000 \\ 64,680,000 \\ \hline \end{array}$ | $100 \%$ of A and VB (in the aggregate) (SEQ/AD Classes) $100 \%$ of VA (AD / SEQ Class) |
|  | \$599,200,000 |  |

Tax Status: Single REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Class R is a Residual Class and is the Residual Interest of the Trust REMIC; all other Classes of REMIC Securities are Regular Classes.
Schedule I


| REMIC Securities |
| :---: | :---: |
| Class <br> Original Class <br> Principal Balance <br> or Class <br> Notional Balance |
| Combination 4(5) |
| NA |$\quad \$ 81,978,841$

REMIC Securities


# Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 2003-097


#### Abstract

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.


See "Risk Factors" beginning on page $\mathrm{S}-10$ which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

## The Trust and its Assets

The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be November 28, 2003.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Ginnie Mae REMIC Trust 2003-097

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and

| Class of REMIC Securities | Original Principal Balance(2) | Interest Rate | Principal <br> Type(3) | Interest <br> Type(3) | Final Distribution Date(4) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| YA | \$ 54,000,000 | 5.5 \% | SC/TAC/AD | FIX | May 2033 | $38374 \mathrm{EVQ7}$ |
| YB | 5,104,000 | 5.5 | SC/SUP | FIX | May 2033 | 38374 EVR 5 |
| YC | 2,490,000 | 5.5 | SC/SUP | FIX | May 2033 | 38374 EVS 3 |
| YZ | 5,234 | 5.5 | SC/TAC | FIX / Z | May 2033 | $38374 \mathrm{EVT1}$ |
| Security Group 2 |  |  |  |  |  |  |
| Y | 7,450,197 | 12.5 | SC / PT | FIX | September 2017 | $38374 \mathrm{EVU8}$ |
| Security Group 3 |  |  |  |  |  |  |
| FA | 65,000,000 | (5) | PT | FLT | November 2033 | $38374 \mathrm{EVV6}$ |
| SA | 65,000,000 | (5) | NTL (PT) | INV/IO | November 2033 | 38374 EVW 4 |
| Security Group 4 |  |  |  |  |  |  |
| GZ | 55,000,000 | 6.0 | NSJ / TAC / AD | FIX / Z | November 2033 | 38374 EVX 2 |
| KZ(1) | 9,900,000 | 6.0 | NSJ/SUP / AD | FIX / Z | November 2033 | $38374 \mathrm{EVY0}$ |
| MA (1) | 87,000,000 | 3.5 | PAC/AD | FIX | March 2033 | $38374 \mathrm{EVZ7}$ |
| MF (1) | 145,000,000 | (5) | PAC/AD | FLT | March 2033 | $38374 \mathrm{EWA1}$ |
| MS (1) | 145,000,000 | (5) | NTL (PAC/AD) | INV/IO | March 2033 | 38374 EWB 9 |
| MZ (1) | 3,100,000 | 6.0 | PAC/AD | FIX / Z | November 2033 | 38374 EWC 7 |
| Security Group 5 |  |  |  |  |  |  |
| LA (1).......... . | 35,000,000 | 6.0 | PAC/AD | FIX | April 2033 | 38374 EWD 5 |
| LZ (1) | 460,000 | 6.0 | PAC/AD | FIX / Z | November 2033 | 38374 EWE 3 |
| ZL(1) | 15,000,000 | 6.0 | SUP | FIX / Z | November 2033 | 38374EWF0 |
| Security Group 6 |  |  |  |  |  |  |
| PA | 10,276,000 | 5.0 | SC/PAC | FIX | May 2033 | $38374 \mathrm{EWG8}$ |
| PB | 15,490,000 | 5.0 | SC/PAC | FIX | May 2033 | $38374 \mathrm{EWH6}$ |
| YD | 3,422,000 | 5.0 | SC/SUP | FIX | May 2033 | 38374 EWJ 2 |
| YE | 1,609 | 5.0 | SC/SUP | FIX | May 2033 | $38374 \mathrm{EWK9}$ |
| Security Group 7 |  |  |  |  |  |  |
| NA (1) | 12,300,000 | 4.5 | PAC | FIX | October 2018 | 38374 EWL 7 |
| NB(1) | 40,600,000 | 4.5 | PAC | FIX | May 2022 | 38374 EWM 5 |
| NC(1) | 40,000,000 | 4.5 | PAC | FIX | April 2028 | 38374 EWN 3 |
| ND | 30,700,000 | 4.5 | PAC | FIX | January 2030 | $38374 \mathrm{EWP8}$ |
| NE | 46,700,000 | 4.5 | PAC | FIX | June 2032 | $38374 \mathrm{EWQ6}$ |
| NV(1) | 7,200,000 | 4.5 | AD / PAC | FIX | November 2014 | 38374 EWR4 |
| NW (1) | 11,500,000 | 4.5 | PAC/AD | FIX | August 2025 | 38374 EWS 2 |
| NX (1) | 44,500,000 | 4.5 | PAC | FIX | September 2025 | $38374 \mathrm{EWT0}$ |
| NZ(1) | 11,300,000 | 4.5 | PAC | FIX/Z | November 2033 | 38374 EWU 7 |
| YI(1) | 57,120,000 | (5) | NTL(SUP) | INV/IO | November 2033 | 38374 EWV 5 |
| YJ(1) | 57,120,000 | (5) | NTL(SUP) | INV/IO | November 2033 | 38374 EWW 3 |
| YM (1) | 57,120,000 | (5) | SUP | FLT | November 2033 | $38374 \mathrm{EWX1}$ |
| YS(1) | 38,080,000 | (5) | SUP | INV | November 2033 | 38374 EWY 9 |
| Residual |  |  |  |  |  |  |
| RR. | 0 | 0.0 | NPR | NPR | November 2033 | $38374 \mathrm{EWZ6}$ |

(1) These Securities may be exchanged for MX Securities described in Schedule I.
(2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for each Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of each Notional Class will be reduced is indicated in parentheses.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(5) See "Terms Sheet - Interest Rates" in this Supplement.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: U.S. Bank National Association
Tax Administrator: The Trustee
Closing Date: November 28, 2003
Distribution Dates: For the Group 1, 2, 4, 5 and 6 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in December 2003. For the Group 3 and 7 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in December 2003.

Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type | Certificate Rate |  |
| :---: | :---: | :---: | :---: | | Original Term <br> To Maturity <br> (in years) |
| :---: |
| 1 |$\quad$

${ }^{(1)}$ Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 3, 4, 5 and 7 Trust Assets ${ }^{1}$ :

| Principal Balance | Weighted Average <br> Remaining Term to <br> Maturity (in months) | Weighted Average Loan Age (in months) | $\begin{gathered} \text { Weighted } \\ \text { Average } \\ \text { Mortgage Rate }{ }^{3} \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Group 3 Trust Assets |  |  |  |
| \$ 65,000,000 | 284 | 69 | 7.50\% |
| Group 4 Trust Assets |  |  |  |
| \$300,000,000 | 348 | 10 | 6.75\% |
| Group 5 Trust Assets |  |  |  |
| \$ 50,460,000 | 328 | 23 | 6.75\% |
| Group 7 Trust Assets |  |  |  |
| \$340,000,000 | 351 | 4 | 5.00\% |

[^3]The actual remaining terms to maturity, loan ages and, in the case of the Group 4 and 5 Trust Assets, Mortgage Rates of many of the Mortgage Loans underlying the Group 3, 4, 5 and 7 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trusts.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes an Interest Only, Non-Sticky Jump or Inverse Floating Rate Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | Initial <br> Interest <br> Rate(2) | Minimum Rate | $\begin{aligned} & \text { Maximum } \\ & \text { Rate } \end{aligned}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.45\% | 1.570\% | 0.45\% | 7.000\% | 0 | 0.00\% |
| MF | LIBOR + 0.30\% | 1.400\% | 0.30\% | 7.500\% | 0 | 0.00\% |
| MS | 7.20\% - LIBOR | 6.100\% | 0.00\% | 7.200\% | 0 | 7.20\% |
| SA | 6.55\% - LIBOR | 5.430\% | 0.00\% | 6.550\% | 0 | 6.55\% |
| YF | LIBOR + 1.50\% | 2.600\% | 1.50\% | 7.500\% | 0 | 0.00\% |
| YI | 6.05\% - LIBOR | 0.050\% | 0.00\% | 0.050\% | 0 | 6.05\% |
| YJ | 6.10\% - LIBOR | 0.050\% | 0.00\% | 0.050\% | 0 | 6.10\% |
| YM | LIBOR + 1.40\% | 2.500\% | 1.40\% | 7.500\% | 0 | 0.00\% |
| YN | LIBOR + 1.45\% | 2.550\% | 1.45\% | 7.500\% | 0 | 0.00\% |
| YS | 9.00\% - (LIBOR $\times 1.5$ ) | 7.350\% | 0.00\% | 9.000\% | 0 | 6.00\% |
| YU | 9.075\% - (LIBOR $\times 1.5$ ) | 7.425\% | 0.00\% | 9.075\% | 0 | 6.05\% |
| YW | 9.15\% - (LIBOR $\times 1.5$ ) | 7.500\% | 0.00\% | 9.150\% | 0 | 6.10\% |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

The Group 1 Principal Distribution Amount and the YZ Accrual Amount will be allocated as follows:

- The YZ Accrual Amount, sequentially, to YA and YZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired
- The Group 1 Principal Distribution Amount in the following order of priority:

1. Sequentially, to YA and YZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Sequentially, to YB and YC , in that order, until retired
3. Sequentially, to YA and YZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 2

The Group 2 Principal Distribution Amount will be allocated to Y, until retired

## SECURITY GROUP 3

The Group 3 Principal Distribution Amount will be allocated to FA, until retired

## SECURITY GROUP 4

The Group 4 Principal Distribution Amount and the GZ, KZ and MZ Accrual Amounts will be allocated as follows:

- The MZ Accrual Amount in the following order of priority:

1. Concurrently, to MA and MF, pro rata, until retired
2. To MZ, until retired

- The Group 4 Principal Distribution Amount and the GZ and KZ Accrual Amounts in the following order of priority:

1. To the PAC Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, in the following order of priority:
a. Concurrently, to MA and MF, pro rata, until retired
b. To MZ, until retired
2. Up to the Jump Percentage of the sum of the remaining Group 4 Principal Distribution Amount and GZ and KZ Accrual Amounts, to KZ, until retired
3. To GZ, until reduced to its Scheduled Principal Balance for that Distribution Date
4. To KZ, until retired
5. To GZ, without regard to its Scheduled Principal Balances, until retired
6. To the PAC Classes, in the same manner and priority described in step 1 above, but without regard to their Aggregate Scheduled Principal Balances, until retired

- For any Distribution Date, the "Jump Percentage" means the percentage (not greater than $99 \%$ ) derived by dividing (A) the excess, if any, of the $425 \%$ PSA Group 4 Balance over the remaining Principal Balance of the Group 4 Trust Assets after giving effect to their reduction on that Distribution Date (the "Group 4 Trust Asset Balance") by (B) the excess of the $425 \%$ PSA Group 4 Balance over the $500 \%$ PSA Group 4 Balance


## SECURITY GROUP 5

The Group 5 Principal Distribution Amount and the LZ and ZL Accrual Amounts will be allocated as follows:

- The LZ Accrual Amount, sequentially, to LA and LZ, in that order, until retired
- The Group 5 Principal Distribution Amount and ZL Accrual Amount in the following order of priority:

1. Sequentially, to LA and LZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZL , until retired
3. Sequentially, to LA and LZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 6

The Group 6 Principal Distribution Amount will be allocated in the following order of priority:

1. Sequentially, to PA and PB , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Sequentially, to YD and YE, in that order, until retired
3. Sequentially, to PA and PB , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 7

A percentage of the Group 7 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 7 Principal Distribution Amount (the "Group 7 Adjusted Principal Distribution Amount") and the NZ Accrual Amount will be allocated as follows:

- The NZ Accrual Amount, sequentially, to NV, NW and NZ, in that order, until retired
- The Group 7 Adjusted Principal Distribution Amount in the following order of priority:

1. Sequentially, to NA, NB, NX, NC, ND, NE, NV, NW and NZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Concurrently, to YM and YS, pro rata, until retired
3. Sequentially, to NA, NB, NX, NC, ND, NE, NV, NW and NZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

Scheduled Principal Balances: The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges or Rates:

| Class | Structuring Ranges or Rates |
| :---: | :---: |
| MA, MF and MZ (in the aggregate) | 223\% PSA through 400\% PSA |
| LA and LZ (in the aggregate) | 175\% PSA through 400\% PSA |
| PA and PB (in the aggregate) | 110\% PSA through 350\% PSA |
| NA, NB, NC, ND, NE, NV, NW, NX aggregate) | 100\% PSA through 250\% PSA |
| YA and YZ (in the aggregate) | 150\% PSA |
| GZ | 400\% PSA |

Jump Balances: The $425 \%$ PSA Group 4 Balances and 500\% PSA Group 4 Balances (together, the "Jump Balances") are included in Schedule III to this Supplement. The Jump Balances were calculated using a Structuring Rate of the respective percentage of PSA and the assumed characteristics of the related Trust MBS to be delivered on the Closing Date. The actual characteristics of the related Trust MBS may vary from the characteristics assumed in preparing the Jump Balances included in Schedule III to this Supplement and, if so, the Sponsor may recalculate such balances. The Sponsor will make them available on Ginnie Mae's Multiclass Securities e-Access located on Ginnie Mae's website ("e-Access") shortly after the Closing Date.

Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on
each Distribution Date will constitute an Accrual Amount which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| DI ... | \$ 2,733,333 | 22.2222222222\% of NA (PAC Class) |
| IH | 18,911,111 | 22.2222222222\% of NB and NX, in the aggregate (PAC Classes) |
| IM | 30,533,333 | 22.2222222222 \% of NA, NB, NC and NX, in the aggregate (PAC Classes) |
| IV | 9,888,888 | 22.2222222222\% of NX (PAC Class) |
| IX | 9,022,222 | 22.2222222222\% of NB (PAC Class) |
| LI. | 14,583,333 | 41.6666666667\% of LA (PAC/AD Class) |
| MS. . | 145,000,000 | 100\% of MF (PAC/AD Class) |
| SA | 65,000,000 | 100\% of FA (PT Class) |
| TI | 11,755,555 | 22.222222222 \% of NA and NB, in the aggregate (PAC Classes) |
| YI | 57,120,000 | 100\% of YM (SUP Class) |
| YJ.... | 57,120,000 | 100\% of YM (SUP Class) |

Tax Status: Double REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Class $R R$ is a Residual Class and includes the Residual Interest of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.
Schedule I

| Available Combinations(1) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| REMIC Securities |  |  | MX Securities |  |  |  |  |  |  |
| Class |  | riginal Class cipal Balance or Class ional Balance | Related <br> MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{array}{c}\text { Interest } \\ \text { Rate }\end{array}$ | Interest <br> Type(3) | CUSIP Number | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Security Group 4 |  |  |  |  |  |  |  |  |  |
| Combination 1 |  |  |  |  |  |  |  |  |  |
| MA | \$ | 87,000,000 | MB | \$ 92,800,000 | PAC/AD | 3.75\% | FIX | 38374 EXA 0 | March 2033 |
| MF |  | 5,800,000 |  |  |  |  |  |  |  |
| MS |  | 5,800,000 |  |  |  |  |  |  |  |
| Combination 2 |  |  |  |  |  |  |  |  |  |
| MA | \$ | 87,000,000 | MC | \$ 99,428,572 | PAC/AD | 4.00\% | FIX | 38374 EX B 8 | March 2033 |
| MF |  | 12,428,572 |  |  |  |  |  |  |  |
| MS |  | 12,428,572 |  |  |  |  |  |  |  |
| Combination 3 |  |  |  |  |  |  |  |  |  |
| MA | \$ | 87,000,000 | MD | \$107,076,923 | PAC/AD | 4.25\% | FIX | 38374 EX C 6 | March 2033 |
| MF |  | 20,076,923 |  |  |  |  |  |  |  |
| MS |  | 20,076,923 |  |  |  |  |  |  |  |
| Combination 4 |  |  |  |  |  |  |  |  |  |
| MA | \$ | 87,000,000 | ME | \$116,000,000 | PAC/AD | 4.50\% | FIX | 38374 EX D 4 | March 2033 |
| MF |  | 29,000,000 |  |  |  |  |  |  |  |
| MS |  | 29,000,000 |  |  |  |  |  |  |  |
| Combination 5 |  |  |  |  |  |  |  |  |  |
| MA | \$ | 87,000,000 | MG | \$126,545,455 | PAC/AD | 4.75\% | FIX | 38374 EXE 2 | March 2033 |
| MF |  | 39,545,455 |  |  |  |  |  |  |  |
| MS |  | 39,545,455 |  |  |  |  |  |  |  |
| Combination 6 |  |  |  |  |  |  |  |  |  |
| MA | \$ | 87,000,000 | MH | \$139,200,000 | PAC/AD | 5.00\% | FIX | 38374 EX F 9 | March 2033 |
| MF |  | 52,200,000 |  |  |  |  |  |  |  |
| MS |  | 52,200,000 |  |  |  |  |  |  |  |
| Combination 7 |  |  |  |  |  |  |  |  |  |
| MA | \$ | 87,000,000 | MJ | \$174,000,000 | PAC/AD | 5.50\% | FIX | 38374 EX G 7 | March 2033 |
| MF |  | 87,000,000 |  |  |  |  |  |  |  |
| MS |  | 87,000,000 |  |  |  |  |  |  |  |


| REMIC Securitie |  |  | - MX Securities |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | $\underset{\text { Principal Balance }}{\text { Original Class }}$ or Class <br> Notional Balance |  | Related MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) |  | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | Interest Rate | Interest <br> Type(3) | CUSIP Number | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination 8 |  |  |  |  |  |  |  |  |  |  |
| MA |  | 87,000,000 | MK |  | 32,000,000 | PAC/AD | 6.00\% | FIX | 38374 EXH 5 | March 2033 |
| MF |  | 45,000,000 |  |  |  |  |  |  |  |  |
| MS |  | 45,000,000 |  |  |  |  |  |  |  |  |
| Combination 9 |  |  |  |  |  |  |  |  |  |  |
| MF |  | 45,000,000 | ML |  | 45,000,000 | PAC/AD | 7.50\% | FIX | 38374 EX J 1 | March 2033 |
| MS |  | 45,000,000 |  |  |  |  |  |  |  |  |
| Security Groups 4 and 5 |  |  |  |  |  |  |  |  |  |  |
| Combination 10 |  |  |  |  |  |  |  |  |  |  |
| KZ | \$ | 9,900,000 | JZ | \$ | 24,900,000 | NSJ/SUP/AD | 6.00\% | FIX / Z | 38374 EXK 8 | November 2033 |
| ZL |  | 15,000,000 |  |  |  |  |  |  |  |  |
| Combination 11 |  |  |  |  |  |  |  |  |  |  |
| LZ | \$ | 460,000 | ZN | \$ | 3,560,000 | PAC/AD | 6.00\% | FIX / Z | 38374 EX L 6 | November 2033 |
| MZ |  | 3,100,000 |  |  |  |  |  |  |  |  |
| Security Group 5 |  |  |  |  |  |  |  |  |  |  |
| Combination 12(7) | \$ | 35,000,000 | LB | \$ | 35,000,000 | PAC/AD | 5.50\% | FIX | 38374 EXM 4 | April 2033 |
| LA |  |  | LC |  | 35,000,000 | PAC/AD | 5.00 | FIX | 38374 EXN 2 | April 2033 |
|  |  |  | LD |  | 35,000,000 | PAC/AD | 4.50 | FIX | 38374 EXP 7 | April 2033 |
|  |  |  | LE |  | 35,000,000 | PAC/AD | 4.00 | FIX | 38374 EXQ 5 | April 2033 |
|  |  |  | LG |  | 35,000,000 | PAC/AD | 3.50 | FIX | 38374 EXR 3 | April 2033 |
|  |  |  | LI |  | 14,583,333 | NTL (PAC/AD) | 6.00 | FIX/IO | 38374 EX S 1 | April 2033 |
| Security Group 7 |  |  |  |  |  |  |  |  |  |  |
| Combination 13 |  |  |  |  |  |  |  |  |  |  |
| NA | \$ | 12,300,000 | TA | \$ | 52,900,000 | PAC | 4.50\% | FIX | 38374 EX T 9 | May 2022 |
| NB |  | 40,600,000 |  |  |  |  |  |  |  |  |
| Combination 14 |  |  |  |  |  |  |  |  |  |  |
| NB | \$ | 40,600,000 | TX | \$ | 85,100,000 | PAC | 4.50\% | FIX | 38374 EXU 6 | September 2025 |
| NX |  | 44,500,000 |  |  |  |  |  |  |  |  |
| Combination 15 |  |  |  |  |  |  |  |  |  |  |
| NA | \$ | 12,300,000 | TC |  | 37,400,000 | PAC | 4.50\% | FIX | 38374 EXV 4 | April 2028 |
| NB |  | 40,600,000 |  |  |  |  |  |  |  |  |
| NC |  | 40,000,000 |  |  |  |  |  |  |  |  |
| NX |  | 44,500,000 |  |  |  |  |  |  |  |  |

REMIC Securities

| Class | $\underset{\text { Principal Balance }}{\text { Original Class }}$ or Class <br> Notional Balance |  | Related MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) |  | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | Interest Rate | Interest <br> Type(3) | CUSIP Number | Final Distribution Date(4) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Combination 16 |  |  |  |  |  |  |  |  |  |  |
| NW |  | 11,500,000 |  |  |  |  |  |  |  |  |
| NZ |  | 11,300,000 |  |  |  |  |  |  |  |  |
| Combination 17(7) |  |  |  |  |  |  |  |  |  |  |
| NA | \$ | 12,300,000 | DA | \$ | 12,300,000 | PAC | 3.50\% | FIX | $38374 \mathrm{EXX0}$ | October 2018 |
|  |  |  | DC |  | 12,300,000 | PAC | 3.75 | FIX | 38374 EXY 8 | October 2018 |
|  |  |  | DE |  | 12,300,000 | PAC | 4.00 | FIX | $38374 \mathrm{EXZ5}$ | October 2018 |
|  |  |  | DH |  | 12,300,000 | PAC | 4.25 | FIX | $38374 \mathrm{EYA9}$ | October 2018 |
|  |  |  | DI |  | 2,733,333 | NTL (PAC) | 4.50 | FIX/IO | $38374 \mathrm{EYB7}$ | October 2018 |
| Combination 18(7) |  |  |  |  |  |  |  |  |  |  |
| NB | \$ | 40,600,000 | DJ | \$ | 40,600,000 | PAC | 3.50\% | FIX | $38374 \mathrm{EYC5}$ | May 2022 |
|  |  |  | DK |  | 40,600,000 | PAC | 3.75 | FIX | 38374 EYD3 | May 2022 |
|  |  |  | DL |  | 40,600,000 | PAC | 4.00 | FIX | 38374 EYE 1 | May 2022 |
|  |  |  | DM |  | 40,600,000 | PAC | 4.25 | FIX | 38374 EYF 8 | May 2022 |
|  |  |  | IX |  | 9,022,222 | NTL (PAC) | 4.50 | FIX/IO | $38374 \mathrm{EYG6}$ | May 2022 |
| Combination 19(7) |  |  |  |  |  |  |  |  |  |  |
| NX | \$ | 44,500,000 | DN | \$ | 44,500,000 | PAC | 3.50\% | FIX | $38374 \mathrm{EYH4}$ | September 2025 |
|  |  |  | DT |  | 44,500,000 | PAC | 3.75 | FIX | 38374 EYJ 0 | September 2025 |
|  |  |  | DU |  | 44,500,000 | PAC | 4.00 | FIX | $38374 \mathrm{EYK7}$ | September 2025 |
|  |  |  | DV |  | 44,500,000 | PAC | 4.25 | FIX | $38374 \mathrm{EYL5}$ | September 2025 |
|  |  |  | IV |  | 9,888,888 | NTL (PAC) | 4.50 | FIX/IO | 38374 EYM3 | September 2025 |
| Combination 20(7) |  |  |  |  |  |  |  |  |  |  |
| TA(5) | \$ | 52,900,000 | TB | \$ | 52,900,000 | PAC | 3.50\% | FIX | $38374 \mathrm{EYN1}$ | May 2022 |
|  |  |  | TD |  | 52,900,000 | PAC | 3.75 | FIX | 38374 EYP6 | May 2022 |
|  |  |  | TE |  | 52,900,000 | PAC | 4.00 | FIX | 38374 EYQ 4 | May 2022 |
|  |  |  | TG |  | 52,900,000 | PAC | 4.25 | FIX | 38374 EYR 2 | May 2022 |
|  |  |  | TI |  | 11,755,555 | NTL (PAC) | 4.50 | FIX/IO | $38374 \mathrm{EYS0}$ | May 2022 |
| Combination 21(7) |  |  |  |  |  |  |  |  |  |  |
| TX (5) | \$ | 85,100,000 | TH | \$ | 85,100,000 | PAC | 3.50\% | FIX | $38374 \mathrm{EYT8}$ | September 2025 |
|  |  |  | TJ |  | 85,100,000 | PAC | 3.75 | FIX | 38374 EYU 5 | September 2025 |
|  |  |  | TK |  | 85,100,000 | PAC | 4.00 | FIX | 38374 EYV 3 | September 2025 |
|  |  |  | TL |  | 85,100,000 | PAC | 4.25 | FIX | 38374 EYW1 | September 2025 |
|  |  |  | IH |  | 18,911,111 | NTL (PAC) | 4.50 | FIX/IO | $38374 \mathrm{EYX9}$ | September 2025 |


| REMIC Securities |  |  | MX Securities |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Principal Balance or Class <br> Notional Balance |  | Related MX Class |  | Maximum iginal Class cipal Balance Class Notional alance(2) | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | Interest Rate | Interest <br> Type(3) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination 22(7) |  |  |  |  |  |  |  |  |  |  |
| TC(5) |  | 137,400,000 | TM |  | 37,400,000 | PAC | 3.50\% | FIX | 38374 EYY 7 | April 2028 |
|  |  |  | TN |  | 37,400,000 | PAC | 3.75 | FIX | 38374 EYZ 4 | April 2028 |
|  |  |  | TU |  | 37,400,000 | PAC | 4.00 | FIX | 38374 EZA8 | April 2028 |
|  |  |  | TY |  | 37,400,000 | PAC | 4.25 | FIX | 38374 EZB6 | April 2028 |
|  |  |  | IM |  | 30,533,333 | NTL (PAC) | 4.50 | FIX / IO | 38374 EZC4 | April 2028 |
| Combination 23 (6) |  |  |  |  |  |  |  |  |  |  |
| YI | \$ | 57,120,000 | YF | \$ | 57,120,000 | SUP | (6) | FLT | 38374 EZD 2 | November 2033 |
| YJ |  | 57,120,000 |  |  |  |  |  |  |  |  |
| YM |  | 57,120,000 |  |  |  |  |  |  |  |  |
| Combination 24 |  |  |  |  |  |  |  |  |  |  |
| YJ | \$ | 57,120,000 | YN | \$ | 57,120,000 | SUP | (6) | FLT | 38374 EZE0 | November 2033 |
| YM |  | 57,120,000 |  |  |  |  |  |  |  |  |
| Combination 25 |  |  |  |  |  |  |  |  |  |  |
| YI | \$ | 57,120,000 | YU | \$ | 38,080,000 | SUP | (6) | INV | 38374 EZF7 | November 2033 |
| YS |  | 38,080,000 |  |  |  |  |  |  |  |  |
| Combination 26 |  |  |  |  |  |  |  |  |  |  |
| YI | \$ | 57,120,000 | YW | \$ | 38,080,000 | SUP | (6) | INV | 38374 EZG5 | November 2033 |
| YJ |  | 57,120,000 |  |  |  |  |  |  |  |  |
| YS |  | 38,080,000 |  |  |  |  |  |  |  |  |
| Combination 27 |  |  |  |  |  |  |  |  |  |  |
| YI | \$ | 57,120,000 | YT | \$ | 95,200,000 | SUP | 4.50\% | FIX | 38374 EZH 3 | November 2033 |
| YJ |  | 57,120,000 |  |  |  |  |  |  |  |  |
| YM |  | 57,120,000 |  |  |  |  |  |  |  |  |
| YS |  | 38,080,000 |  |  |  |  |  |  |  |  |

[^4]Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 2003-062


#### Abstract

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.


See "Risk Factors" beginning on page $\mathrm{S}-9$ which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.
The Ginnie Mae Guaranty
Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own Ginnie Mae Certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be July 30, 2003.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Ginnie Mae REMIC Trust 2003-062

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | Original <br> Principal <br> Balance(2) | Interest Rate | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | Interest <br> Type(3) | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ | $\begin{aligned} & \text { CUSIP } \\ & \text { Number } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| A | \$ 10,939,250 | 5.00\% | SUP | FIX | December 2029 | 38374 BCZ4 |
| AB | 6,342,438 | 5.00 | SUP | FIX | October 2030 | 38374 BDA 8 |
| AC | 4,305,875 | 5.00 | SUP | FIX | May 2031 | 38374 BDB6 |
| AD | 7,273,438 | 5.00 | SUP | FIX | April 2032 | 38374 BDC 4 |
| AE | 10,881,063 | 5.00 | SUP | FIX | July 2033 | 38374 BDD 2 |
| BA | 16,292,500 | 5.00 | SUP | FIX | November 2029 | 38374 BDE 0 |
| BC | 9,775,500 | 5.00 | SUP | FIX | October 2030 | 38374 BDF 7 |
| BD | 6,167,875 | 5.00 | SUP | FIX | May 2031 | $38374 \mathrm{BDG5}$ |
| BE | 11,055,625 | 5.00 | SUP | FIX | April 2032 | 38374 BDH 3 |
| BG | 13,004,906 | 5.00 | SUP | FIX | July 2033 | $38374 \mathrm{BDJ9}$ |
| FG | 1,105,562 | (5) | SUP | FLT/DLY | July 2033 | $38374 \mathrm{BDK6}$ |
| PB (1) | 42,549,609 | 5.00 | PAC | FIX | May 2033 | 38374 BDL4 |
| PC | 5,018,672 | 5.00 | PAC | FIX | July 2033 | 38374 BDM 2 |
| SG | 2,211,125 | (5) | SUP | INV/DLY | July 2033 | $38374 \mathrm{BDN0}$ |
| TA(1) | 15,128,750 | 5.00 | PAC | FIX | March 2022 | 38374 BDP 5 |
| TB (1) | 93,100,000 | 5.00 | PAC | FIX | March 2029 | 38374 BDQ 3 |
| TC (1) | 37,240,000 | 5.00 | PAC | FIX | April 2031 | 38374 BDR1 |
| Security Group 2 |  |  |  |  |  |  |
| MA(1) | 28,800,000 | 5.50 | PAC/AD | FIX | June 2033 | $38374 \mathrm{BDS9}$ |
| MZ. | 80,249 | 5.50 | PAC/AD | FIX/Z | July 2033 | $38374 \mathrm{BDT7}$ |
| ZA (1) | 3,000,000 | 5.50 | NSJ/SUP/AD | FIX/Z | July 2033 | $38374 \mathrm{BDU4}$ |
| ZP(1) | 7,000,000 | 5.50 | NSJ/SUP/AD | FIX/Z | July 2033 | 38374 BDV 2 |
| Security Group 3 |  |  |  |  |  |  |
| HA (1) | 2,800,000 | 5.00 | PAC I | FIX | November 2019 | 38374 BDW 0 |
| HB(1) | 20,200,000 | 5.00 | PAC I | FIX | April 2025 | 38374 BFJ 7 |
| HC (1) | 18,900,000 | 5.00 | PAC I | FIX | January 2029 | $38374 \mathrm{BDX8}$ |
| HD (1) | 23,800,000 | 5.00 | PAC I | FIX | October 2032 | 38374 BDY6 |
| HE | 5,872,000 | 5.00 | PAC I | FIX | July 2033 | $38374 \mathrm{BDZ3}$ |
| UA | 10,048,000 | 5.00 | SUP | FIX | January 2032 | 38374 BEA7 |
| UB | 2,116,000 | 5.00 | SUP | FIX | May 2032 | 38374 BEB5 |
| UC | 432,000 | 5.00 | SUP | FIX | May 2032 | 38374 BEC 3 |
| UD | 1,672,000 | 5.00 | SUP | FIX | August 2032 | 38374 BED 1 |
| UE | 6,804,000 | 5.00 | SUP | FIX | July 2033 | 38374 BEE9 |
| YA | 3,704,000 | 5.00 | PAC II | FIX | February 2033 | 38374 BEF 6 |
| YB | 2,028,000 | 5.00 | PAC II | FIX | May 2033 | 38374 BEG4 |
| YC | 120,000 | 5.00 | PAC II | FIX | May 2033 | 38374 BEH 2 |
| YD | 1,504,000 | 5.00 | PAC II | FIX | July 2033 | 38374 BEJ 8 |
| Security Group 4 |  |  |  |  |  |  |
| KA (1) | 196,200,000 | 5.50 | PAC/AD | FIX | June 2033 | 38374 BEK5 |
| KZ | 600,000 | 5.50 | PAC/AD | FIX/Z | July 2033 | 38374 BLU5 |
| ZJ (1) | 25,200,000 | 5.50 | NSJ/SUP/AD | FIX/Z | July 2033 | 38374 BLV3 |
| ZK (1) | 18,000,000 | 5.50 | NSJ/SUP/AD | FIX/Z | July 2033 | 38374 BEL3 |
| Residual |  |  |  |  |  |  |
| R | 0 | 0.00 | NPR | NPR | July 2033 | 38374 BEM 1 |

(1) These Securities may be exchanged for MX Securities described in Schedule I.
(2) Subject to increase as described under "Increase in Size" in this Supplement.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(5) See "Terms Sheet - Interest Rates" in this Supplement.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: July 30, 2003
Distribution Dates: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in August 2003.

## Trust Assets:

| Trust Asset Group | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II | 5.00\% | 30 |
| 2 | Ginnie Mae II | 5.50 | 30 |
| 3 | Ginnie Mae II | 5.00 | 30 |
| 4 | Ginnie Mae II | 5.50 | 30 |

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

\section*{Assumed Characteristics of the Mortgage Loans Underlying the Trust Assets ${ }^{1}$ : <br> | Wringhted Average <br> Remaining Term to <br> Balance $^{2}$ |
| :--- | <br> Group 1 Trust Assets \$292,392,188 357 <br> Group 2 Trust Assets \$ 38,880,249 358 <br> Weighted Average

(ioan Age
(in months) <br> Weighted Average Mortgage Rate ${ }^{3}$ <br> Group 3 Trust Assets \$100,000,000 358 $1 \quad 5.60 \%$ <br> Group 4 Trust Assets <br> \$240,000,000 <br> 358 <br> 2 <br> $6.25 \%$}
${ }^{1}$ As of July 1, 2003.
${ }^{2}$ Does not include Group 3 Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Trust Assets may bear interest at rates ranging from $0.25 \%$ to $1.50 \%$ per annum above the related Certificate Rate.

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only, Non-Sticky Jump or Inverse Floating Rate Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | Initial <br> Interest <br> Rate(2) | $\begin{gathered} \text { Minimum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \quad \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FG | LIBOR + 1.40\% | 2.50\% | 1.4\% | 7.00\% | 19 | 0.0\% |
| SG | 6.80\% - (LIBOR $\times 0.50$ ) | 6.25\% | 4.0\% | 6.80\% | 19 | 5.6\% |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

The Group 1 Principal Distribution Amount will be allocated in the following order of priority:

1. Sequentially, to $\mathrm{TA}, \mathrm{TB}, \mathrm{TC}, \mathrm{PB}$ and PC , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, until retired
2. Concurrently:
a. $40.0000012078 \%$ sequentially, to $\mathrm{A}, \mathrm{AB}, \mathrm{AC}, \mathrm{AD}$ and AE , in that order, until retired
b. $59.9999987922 \%$ in the following order of priority:
i. Sequentially, to $\mathrm{BA}, \mathrm{BC}, \mathrm{BD}$ and BE , in that order, until retired
ii. Concurrently, to $\mathrm{BG}, \mathrm{FG}$ and SG , pro rata, until retired
3. Sequentially, to TA, TB, TC, PB and PC, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 2

The Group 2 Principal Distribution Amount and the MZ, ZA and ZP Accrual Amounts will be allocated as follows:

- The MZ Accrual Amount, sequentially, to MA and MZ, in that order, until retired
- The Group 2 Principal Distribution Amount and the ZA and ZP Accrual Amounts in the following order of priority:

1. Sequentially, to MA and MZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, until retired
2. Up to the ZP Jump Percentage of the remaining Principal Distribution Amount and the ZA and ZP Accrual Amounts to ZP, until retired
3. Sequentially, to ZA and ZP , in that order, until retired
4. Sequentially, to MA and MZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

- For any Distribution Date, the "ZP Jump Percentage" means the percentage equal to the difference (not less than 0\%) between (a) the lesser of (i) $99 \%$ and (ii) the quotient of (A) the excess, if any, of the $626 \%$ PSA Group 2 Balance over the remaining Principal Balance of the Group 2 Trust Assets, after giving effect to their reduction on that Distribution Date (the "Group 2 Trust Asset Balance") and (B) the excess of the $626 \%$ PSA Group 2 Balance over the $700 \%$ PSA Group 2 Balance and (b) the quotient of (A) the excess, if any, of the $800 \%$ PSA Group 2 Balance over the Group 2 Trust Asset Balance and (B) the excess of the $800 \%$ PSA Group 2 Balance over the $900 \%$ PSA Group 2 Balance


## SECURITY GROUP 3

A percentage of the Group 3 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 3 Principal Distribution Amount (the "Group 3 Adjusted Principal Distribution Amount") will be allocated in the following order of priority:

1. Sequentially, to $\mathrm{HA}, \mathrm{HB}, \mathrm{HC}, \mathrm{HD}$ and HE , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, until retired
2. Sequentially, to YA, YB, YC and YD, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, until retired
3. Sequentially, to UA, UB, UC, UD and UE, in that order, until retired
4. Sequentially, to YA, YB, YC and YD, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired
5. Sequentially, to $\mathrm{HA}, \mathrm{HB}, \mathrm{HC}, \mathrm{HD}$ and HE , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 4

The Group 4 Principal Distribution Amount and the KZ, ZJ and ZK Accrual Amounts will be allocated as follows:

- The KZ Accrual Amount, sequentially, to KA and KZ, in that order, until retired
- The Group 4 Principal Distribution Amount and the ZJ and ZK Accrual Amounts in the following order of priority:

1. Sequentially, to KA and KZ , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, until retired
2. Up to the ZJ Jump Percentage of the remaining Principal Distribution Amount and the ZJ and ZK Accrual Amounts to ZJ, until retired
3. Sequentially, to ZK and ZJ , in that order, until retired
4. Sequentially, to KA and KZ , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

- For any Distribution Date, the "ZJ Jump Percentage" means the percentage equal to the difference (not less than 0\%) between (a) the lesser of (i) $99 \%$ and (ii) the quotient of (A) the excess, if any, of the $551 \%$ PSA Group 4 Balance over the remaining Principal Balance of the Group 4 Trust Assets, after giving effect to their reduction on that Distribution Date (the "Group 4 Trust Asset Balance") and (B) the excess of the $551 \%$ PSA Group 4 Balance over the $700 \%$ PSA Group 4 Balance and (b) the quotient of (A) the excess, if any, of the $800 \%$ PSA Group 4 Balance over the Group 4 Trust Asset Balance and (B) the excess of the $800 \%$ PSA Group 4 Balance over the $900 \%$ PSA Group 4 Balance

Scheduled Principal Balances: The Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges:

## Class

PB, PC, TA, TB and TC (in the aggregate)
MA and MZ (in the aggregate)
HA, HB, HC, HD and HE (in the aggregate)
YA, YB, YC and YD (in the aggregate) .......................... 120\% PSA through 200\% PSA
KA and KZ (in the aggregate) ......................................... 325\% PSA through 515\% PSA
Jump Balances: The 626\% PSA Group 2 Balances, 700\% PSA Group 2 Balances, 800\% PSA Group 2 Balances, $900 \%$ PSA Group 2 Balances, 551\% PSA Group 4 Balances, 700\% PSA Group 4 Balances, $800 \%$ PSA Group 4 Balances and $900 \%$ PSA Group 4 Balances (together, the "Jump Balances") are included in Schedule III to this Supplement. The Jump Balances were calculated using a Structuring Rate of the respective percentage of PSA and the assumed characteristics of the related Trust MBS to be delivered on the Closing Date. The actual characteristics of the related Trust MBS may vary from the characteristics assumed in preparing the Jump Balances included in Schedule III to this Supplement and, if so, the Sponsor may recalculate such balances. The Sponsor will make them available on Ginnie Mae's Multiclass Securities e-Access located on Ginnie Mae's website ("e-Access") shortly after the Closing Date.
Schedule I

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|  | REMIC Securities |  | mx Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class | $\underset{\text { Original Class }}{\text { Principal Balance }}$ | Related MX Class | $\begin{gathered} \text { Maximum } \\ \text { Original Class } \\ \text { Principal Baance } \\ \text { or Class Notional } \\ \text { Balance(2) } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | Interest Rate | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
|  | Combination 4(6) |  |  |  |  |  |  |  |  |
|  | TA | \$ 15,128,750 | IT | \$ 7,564,375 | NTL(PAC) | 5.00\% | FIX/IO | 38374 BFC 2 | March 2022 |
|  |  |  | TD | 15,128,750 | PAC | 2.50 | FIX | 38374 BFD 0 | March 2022 |
|  |  |  | TE | 15,128,750 | PAC | 2.75 | FIX | 38374 BFE 8 | March 2022 |
|  |  |  | TG | 15,128,750 | PAC | 3.00 | FIX | 38374 BFF 5 | March 2022 |
|  |  |  | TH | 15,128,750 | PAC | 3.25 | FIX | 38374 BFG 3 | March 2022 |
|  |  |  | TJ | 15,128,750 | PAC | 3.50 | FIX | 38374 BFK 4 | March 2022 |
|  |  |  | TK | 15,128,750 | PAC | 3.75 | FIX | $38374 \mathrm{BFL2}$ | March 2022 |
|  |  |  | TL | 15,128,750 | PAC | 4.00 | FIX | $38374 \mathrm{BFM0}$ | March 2022 |
|  |  |  | TM | 15,128,750 | PAC | 4.25 | FIX | 38374 BFN 8 | March 2022 |
|  |  |  | TN | 15,128,750 | PAC | 4.50 | FIX | 38374 BFP 3 | March 2022 |
|  | Combination 5(6) ${ }^{\text {(6) }}$ |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \infty \\ & +\infty \\ & \infty \end{aligned}$ | тB | \$ 93,100,000 | CA | \$ 93,100,000 | PAC | 3.25\% | FIX | 38374 BFQ 1 | March 2029 |
|  |  |  | CD | 93,100,000 | PAC | 3.75 | FIX | 38374 BFR 9 | March 2029 |
|  |  |  | CE | 93,100,000 | PAC | 4.00 | FIX | 38374 BFS 7 | March 2029 |
|  |  |  | CG | 93,100,000 | PAC | 4.25 | FIX | $38374 \mathrm{BFT5}$ | March 2029 |
|  |  |  | CH | 93,100,000 | PAC | 4.50 | FIX | 38374 BFU 2 | March 2029 |
|  |  |  | IC | 46,550,000 | NTL(PAC) | 5.00 | FIX/IO | 38374 BFV 0 | March 2029 |
|  |  |  | NB | 93,100,000 | PAC | 3.50 | FIX | 38374 BFW 8 | March 2029 |
|  |  |  | TU | 93,100,000 | PAC | 2.50 | FIX | 38374 BFX 6 | March 2029 |
|  |  |  | TV | 93,100,000 | PAC | 2.75 | FIX | 38374 BFY 4 | March 2029 |
|  |  |  | TW | 93,100,000 | PAC | 3.00 | FIX | $38374 \mathrm{BFZ1}$ | March 2029 |





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| Remic securities |  |  |  |  | Securit |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance | $\begin{gathered} \text { Reated } \\ \text { MX Class } \end{gathered}$ |  | $\begin{aligned} & \text { Principal } \\ & \text { Type (3) } \end{aligned}$ | $\begin{gathered} \text { Interest } \\ \text { Reate } \\ \text { Rate } \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type (3) } \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Fistal } \\ \text { Distritution } \\ \text { Date(t) } \end{gathered}$ |
| Security Group 4 Combination 13(6) |  |  |  |  |  |  |  |  |
| кА | \$196,200,000 | кс | \$196,200,000 | PaC/AD | 2.00\% | FIX | 38374BLW1 | June 2033 |
|  |  | KD | 196,200,000 | PaC/Ad | 2.50 | FIX | 38374 BLX9 | June 2033 |
|  |  | KE | 196,200,000 | PaC/Ad | 3.00 | FIX | 38374 BLY 7 | June 2033 |
|  |  | KG | 196,200,000 | PAC/Ad | 3.25 | FIX | $38374 \mathrm{BLZ4}$ | June 2033 |
|  |  | кн | 196,200,000 | PaC/Ad | 3.50 | FIX | 38374bma8 | June 2033 |
|  |  | кı | 196,200,000 | NTL(PAC/AD) | 5.50 | FIX/IO | $38374 \mathrm{BMB6}$ | June 2033 |
|  |  | кJ | 196,200,000 | Pac/ad | 3.75 | FIX | $38374 \mathrm{BMC4}$ | June 2033 |
|  |  | KL | 196,200,000 | PaC/AD | 4.25 | FIX | 38374 BMD 2 | June 2033 |
|  |  | км | 196,200,000 | PAC/AD | 4.00 | FIX | 38374 BME 0 | June 2033 |
|  |  | kN | 196,200,000 | Pac/ad | 4.50 | FIX | $38374 \mathrm{BmF7}$ | June 2033 |
|  |  | ко | 196,200,000 | Pac/ad | 0.00 | PO | $38374 \mathrm{BMG5}$ | June 2033 |
|  |  | кт | 196,200,000 | PaC/AD | 5.00 | FIX | 38374 вмн3 | June 2033 |
|  |  | kU | 179,850,000 | Pac/ad | 6.00 | FIX | $38374 \mathrm{Bmj9}$ | June 2033 |
|  |  | кV | 154,157,142 | Pac/ad | 7.00 | FIX | 38374вмк6 | June 2033 |
|  |  | kw | 143,880,000 | Pac/ad | 7.50 | FIX | 38374 BmL 4 | June 2033 |
| Combination 14 ( 4 , |  |  |  |  |  |  |  |  |
| ZJ | \$ 25,200,000 | ZL | \$ 43,200,000 | Sup | 5.50\% | FIX/Z | $38374 \mathrm{BmM2}$ | July 2033 |
| Zk | 18,000,000 |  |  |  |  |  |  |  |
| (1) All exchanges must comply with minimum denominations restrictions. |  |  |  |  |  |  |  |  |
| (2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class No Balance) of that Class, assuming it were to be issued on the Closing Date. |  |  |  |  |  |  |  |  |
| (3) As defined under "Class Types" in Appendix I to the Base Offering Circular. |  |  |  |  |  |  |  |  |
| (4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement. |  |  |  |  |  |  |  |  |
| (6) In the case of Combinations $2,3,4,5,6,7,9,10,11,12$ and 13 , various subcombinations are permitted. See "Description of Securities - Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations. |  |  |  |  |  |  |  |  |

# GINNIE MAE ${ }^{\circledR}$ <br> Guaranteed REMIC Pass-Through Securities and MX Securities 

Ginnie Mae REMIC Trust 2003-018


The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page $\mathrm{S}-9$ which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

The Ginnie Mae Guaranty
Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be March 28, 2003.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

The date of this Offering Circular Supplement is March 20, 2003.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."
Sponsor: Salomon Smith Barney Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: March 28, 2003
Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in April 2003.

Trust Assets:

| $\begin{aligned} & \text { Trust } \\ & \text { Asset } \\ & \text { Group } \end{aligned}$ | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II | 5.0\% | 30 |
| 2 | Ginnie Mae II | 5.0\% | 30 |
| 3 | Underlying Certificate | (1) | (1) |
| 4 | Ginnie Mae II | 5.5\% | 30 |
| 5 | Underlying Certificate | (1) | (1) |
| 6 | Underlying Certificate | (1) | (1) |

${ }^{(1)}$ Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.
Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2 and 4 Trust Assets ${ }^{1}$ :

| Principal Balance | Weighted Average Remaining Term to Maturity (in months) | $\begin{gathered} \text { Weighted Average } \\ \text { Loan Age } \\ \text { (in months) } \\ \hline \end{gathered}$ | Weighted <br> Average <br> Mortgage Rate ${ }^{3}$ |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets |  |  |  |
| \$ 20,000,000 | 359 | 1 | 5.80\% |
| Group 2 Trust Assets |  |  |  |
| \$150,000,000 | 359 | 1 | 5.80\% |
| Group 4 Trust Assets |  |  |  |
| \$629,000,000 | 358 | 1 | 6.25\% |
| ${ }^{1}$ As of March 1, 2003. |  |  |  |
| Does not include Group 2 Trust Assets that will be ad Fee. |  |  |  |
| ${ }^{3}$ The Mortgage Loans underlying the Group 1, 2 and 4 Trust Assets may bear interest at rates ranging from $0.5 \%$ to $1.5 \%$ per annum above the related Certificate Rate. |  |  |  |

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 2 and 4 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trusts.
Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.
Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only, Inverse Floating Rate Class or Non-Sticky Jump Class. See "Description of the Securities - Form of Securities" in this Supplement.
Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as 'LIBOR"') as follows:

| Class | Interest Rate Formula(1) | Initial <br> Rate(2) | $\qquad$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FP | LIBOR + 0.30\% | 1.570000\% | 0.30\% | 8.0000000\% | 0 | 0.00\% |
| FT | LIBOR + 0.30\% | 1.650000\% | 0.30\% | 8.0000000\% | 0 | 0.00\% |
| PF | LIBOR + 0.43\% | 1.700000\% | 0.43\% | 8.0000000\% | 0 | 0.00\% |
| PS | 16.654\% - (LIBOR $\times 2.20$ ) | 13.860000\% | 0.00\% | 16.6540000\% | 0 | 7.57\% |
| SP | 7.70\% - LIBOR | 6.430000\% | 0.00\% | 7.7000000\% | 0 | 7.70\% |
| ST | 12.8333333\% - | 10.583333\% | 0.00\% | 12.8333333\% | 0 | 7.70\% |
|  | $($ LIBOR $\times 1.6666667)$ |  |  |  |  |  |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date, the following distributions will be made to the related Securities:

## Security Group 1

The Group 1 Principal Distribution Amount will be allocated, sequentially, to JA, JB, JC, JD, JE and JG, in that order, until retired

## Security Group 2

A percentage of the Group 2 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") will be allocated in the following order of priority:

1. Concurrently, to FT and ST, pro rata, until retired
2. To T, until retired

## Security Group 3

The Group 3 Principal Distribution Amount and the HZ Accrual Amount will be allocated as follows:

- The HZ Accrual Amount, sequentially, to HV and HZ, in that order, until retired.
- The Group 3 Principal Distribution Amount, concurrently, as follows:

1. $50.0000040350 \%$, concurrently, to HA and HB, pro rata, until retired
2. $49.9999959650 \%$, sequentially, to HV and HZ, in that order, until retired

## Security Group 4

The Group 4 Principal Distribution Amount and beginning in step 2, the ZA Accrual Amount will be allocated in the following order of priority:

1. To the PAC I Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, in the following order of priority:
a. Sequentially, to PX and ND, in that order, until retired
b. Concurrently, to FP and PC, pro rata, until retired
c. To PD, until retired
d. Concurrently, to PF and PS, pro rata, until retired
e. To EG, until retired
2. Up to the ZA Jump Percentage of the sum of the remaining Group 4 Principal Distribution Amount and the ZA Accrual Amount to ZA, until retired
3. To YV, until reduced to its Scheduled Principal Balance for that Distribution Date
4. To ZA, until retired
5. To YV, without regard to its Scheduled Principal Balances, until retired
6. To the PAC I Classes, in the manner and order of priority described in Step 1, but without regard to their Aggregate Scheduled Principal Balances, until retired

- For any Payment Date, the "ZA Jump Percentage" means the percentage (not greater than $99 \%$ ) derived by dividing (a) the excess, if any, of the $301 \%$ PSA Balance over the remaining Principal Balance of the Group 4 Trust Assets, after giving effect to their reduction on that Payment Date by (b) the excess of the $301 \%$ PSA Balance, if any, over the $410 \%$ PSA Balance


## Security Group 5

The Group 5 Principal Distribution Amount and the OZ Accrual Amount will be allocated as follows:

- The OZ Accrual Amount, sequentially, to OV and OZ, in that order, until retired.
- The Group 5 Principal Distribution Amount, concurrently, as follows:

1. $50 \%$, concurrently, to $\mathrm{OA}, \mathrm{OB}$ and OC , pro rata, until retired
2. $50 \%$, sequentially, to OV and OZ , in that order, until retired

## Security Group 6

The Group 6 Principal Distribution Amount will be allocated, concurrently, to KA and KB, pro rata, until retired

Scheduled Principal Balances: The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges:

| Class |  |  |
| :---: | :---: | :---: |
|  |  |  |
| YV |  |  |

Jump Balances: The $301 \%$ PSA and $410 \%$ PSA Balances (together, the "Jump Balances") are included in Schedule III to this Supplement. The $301 \%$ PSA and $410 \%$ PSA Balances were calculated using a Structuring Rate of $301 \%$ PSA and $410 \%$ PSA, respectively, and the assumed characteristics of the related Trust MBS to be delivered on the Closing Date. The actual characteristics of the related Trust MBS may vary from the characteristics assumed in preparing the $301 \%$ PSA and $410 \%$ PSA Balances included in Schedule III to this Supplement and, if so, the Sponsor may recalculate such balances. The Sponsor will make them available on Ginnie Mae's Multiclass Securities e-Access located on Ginnie Mae's website ("e-Access") shortly after the Closing Date.

Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."
Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| GI | \$26,800,000 | 100\% of EG (PAC I Class) |
| IA | 21,200,000 | $36.3636363636 \%$ of PX (PAC I Class) |
| IC | 13,272,727 | 18.1818181818\% of PC (PAC I Class) |
| PI | 17,154,545 | $27.2727272727 \%$ of ND (PAC I Class) |
| SP | 29,200,000 | 100\% of FP (PAC I Class) |
| YI | 40,363,636 | $27.2727272727 \%$ of YV (NSJ/PAC II Class) |

Tax Status: Double REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.
Regular and Residual Classes: Class $R R$ is a Residual Class and includes the Residual Interest of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.
Schedule I
Available Combinations(1)

| REMIC Securities |  | urities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance | Related MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type (3) | Interest Rate | $\begin{aligned} & \text { Interest } \\ & \text { Type (3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Security Group 4 Combination 1(5) |  |  |  |  |  |  |  |  |
| PX | \$ 58,300,000 | IA | \$ 21,200,000 | NTL (PAC I) | 5.50\% | FIX/IO | 38373S L 70 | September 2024 |
|  |  | NA | 58,300,000 | PAC I | 3.50 | FIX | 38373S L88 | September 2024 |
|  |  | NB | 58,300,000 | PAC I | 4.00 | FIX | 38373S L96 | September 2024 |
|  |  | PA | 58,300,000 | PAC I | 4.50 | FIX | 38373SM20 | September 2024 |
| Combination 2(5) |  |  |  |  |  |  |  |  |
| PC | \$ 73,000,000 | IC | \$ 13,272,727 | NTL (PAC I) | 5.50\% | FIX/IO | 38373SM38 | September 2029 |
|  |  | NE | 73,000,000 | PAC I | 3.50 | FIX | 38373SM46 | September 2029 |
|  |  | NG | 73,000,000 | PAC I | 4.00 | FIX | 38373SM53 | September 2029 |
| Combination 3 |  |  |  |  |  |  |  |  |
| EG | \$ 26,800,000 | PG | \$ 26,800,000 | PAC I | 5.50\% | FIX | 38373SM61 | March 2033 |
| GI | 26,800,000 |  |  |  |  |  |  |  |
| Combination 4(5) |  |  |  |  |  |  |  |  |
| YV | \$148,000,000 | YA | \$148,000,000 | NSJ/PAC II/AD | 4.00\% | FIX | 38373SM79 | March 2033 |
|  |  | YB | 148,000,000 | NSJ/PAC II / AD | 4.25 | FIX | 38373SM87 | March 2033 |
|  |  | YC | 148,000,000 | NSJ/PAC II/AD | 4.50 | FIX | 38373SM95 | March 2033 |
|  |  | YD | 148,000,000 | NSJ/PAC II / AD | 4.75 | FIX | 38373 SN29 | March 2033 |
|  |  | YE | 148,000,000 | NSJ/PAC II/AD | 5.00 | FIX | 38373 SN 37 | March 2033 |
|  |  | YG | 148,000,000 | NSJ/PAC II / AD | 5.25 | FIX | 38373 SN45 | March 2033 |
|  |  | YI | 40,363,636 | $\begin{gathered} \text { NTL } \\ (\mathrm{NSJ} / \mathrm{PAC} \text { II/AD) } \end{gathered}$ | 5.50 | FIX/IO | 38373SN52 | March 2033 |

(1) All exchanges must comply with minimum denominations restrictions.
(2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notional Balance) of that Class, assuming it were to be issued on the Closing Date.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(5) In the case of Combinations 1, 2 and 4, various subcombinations are permitted. See "Description of the Securities Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations.

Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$

## Guaranteed REMIC Pass-Through Securities and MX Securities

Ginnie Mae REMIC Trust 2003-010


The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page S-8 which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own (1) Ginnie Mae Certificates and (2) a certain previously issued certificate.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be February 28, 2003.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

The date of this Offering Circular Supplement is February 20, 2003.

## Ginnie Mae REMIC Trust 2003-010

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | Original <br> Principal <br> Balance(2) | $\begin{gathered} \text { Interest } \\ \text { Rate } \\ \hline \end{gathered}$ | Principal Type(3) | Interest <br> Type(3) | $\begin{array}{c}\text { Final Distribution } \\ \text { Date }(4)\end{array}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| JA | \$ 6,000,000 | 5.0\% | SC/PT | FIX | April 2030 | 38373SBA 4 |
| JB | 3,000,000 | 5.5 | SC/PT | FIX | April 2030 | 38373 SB B 2 |
| JC | 1,500,000 | 6.0 | SC/PT | FIX | April 2030 | 38373 SBC0 |
| JD | 1,500,000 | 7.0 | SC/PT | FIX | April 2030 | 38373 SBD8 |
| Security Group 2 |  |  |  |  |  |  |
| PA(1) | 72,999,120 | 5.5 | PAC I | FIX | October 2023 | 38373SBE 6 |
| PB(1) | 42,960,000 | 5.5 | PAC I | FIX | August 2025 | 38373SBF3 |
| PC(1) | 75,600,000 | 5.5 | PAC I | FIX | June 2028 | 38373 SBG1 |
| PD (1) | 30,300,000 | 5.5 | PAC I | FIX | June 2029 | 38373 SBH9 |
| PH(1) | 19,200,000 | 5.5 | PAC I | FIX | January 2030 | 38373 SB J 5 |
| PJ (1) | 54,000,000 | 5.5 | PAC I | FIX | August 2031 | 38373SBK2 |
| PK (1) | 15,630,720 | 5.5 | PAC I | FIX | January 2032 | 38373 SB L 0 |
| PV(1) | 13,176,000 | 5.5 | AD / PAC I | FIX | January 2014 | 38373SBM8 |
| PX (1) | 10,680,000 | 5.5 | PAC I | FIX | November 2019 | 38373SBN6 |
| PZ(1) | 16,200,000 | 5.5 | PAC I | FIX / Z | February 2033 | 38373SB P 1 |
| VP(1) | 15,451,200 | 5.5 | PAC I/AD | FIX | September 2021 | 38373SBQ9 |
| YV(1) | 69,402,480 | 5.5 | PAC II/AD | FIX | January 2033 | 38373 SBR 7 |
| ZA | 79,200,480 | 5.5 | CPT/SUP/PAC II | FIX / Z | February 2033 | 38373 SB S 5 |
| Security Group 3 |  |  |  |  |  |  |
| KA (1) . . . . . | 100,000,000 | 5.5 | SEQ | FIX | July 2031 | 38373SB T3 |
| KH | 7,078,000 | 5.5 | SEQ | FIX | May 2032 | 38373SBU0 |
| KJ | 7,078,000 | 5.5 | SEQ | FIX | February 2033 | 38373 SB V8 |
| Residual |  |  |  |  |  |  |
| R............ | 0 | 0.0 | NPR | NPR | February 2033 | 38373SBW6 |

(1) These Securities may be exchanged for MX Securities described in Schedule I.
(2) Subject to increase as described under "Increase in Size" in this Supplement.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular.
(4) See 'Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Salomon Smith Barney Inc.
Trustee: U.S. Bank National Association
Tax Administrator: The Trustee
Closing Date: February 28, 2003
Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in March 2003.

## Trust Assets:

| Trust Asset Group | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Underlying Certificate | (1) | (1) |
| 2 | Ginnie Mae II | 5.5\% | 30 |
| 3 | Ginnie Mae II | 5.5 | 30 |

(1) Certain information regarding the Underlying Certificate is set forth in
Exhibits A and B to this Supplement.

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

## Assumed Characteristics of the Mortgage Loans Underlying the Group 2 and 3 Trust Assets ${ }^{1}$ :

| Principal |
| :---: |
| Balance |
| Weighted Average <br> Remaining Term to <br> Maturity (in months) |
| $\$ 514,800,000$ |


| Weighted Average |
| :---: |
| Loan Age |
| (in months) |

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans underlying the Group 2 and 3 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement.

See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trust.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only or Interest Only Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates on the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

Allocation of Principal: On each Distribution Date, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

- The Group 1 Principal Distribution Amount will be allocated, concurrently, to JA, JB, JC and JD, pro rata, until retired.


## SECURITY GROUP 2

A percentage of the Group 2 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") and the PZ, ZA1 and ZA2 Accrual Amounts will be allocated as follows:

- The PZ Accrual Amount, sequentially, to PV, VP and PZ, in that order, until retired
- The ZA1 Accrual Amount, sequentially, to YV and ZA1, in that order, until retired
- The ZA2 Accrual Amount in the following order of priority:

1. Sequentially, to YV and ZA1, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZA2, until retired

- The Group 2 Adjusted Principal Distribution Amount in the following order of priority:

1. Sequentially, to PX, PA, PB, PC, PD, PH, PJ, PK, PV, VP and PZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Sequentially, to YV and ZA1, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
3. To ZA2, until retired
4. Sequentially, to YV and ZA1, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired
5. Sequentially, to PX, PA, PB, PC, PD, PH, PJ, PK, VP, PV and PZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 3

- The Group 3 Principal Distribution Amount will be allocated, sequentially, to KA, KH and KJ, in that order, until retired

Scheduled Principal Balances: The Aggregate Scheduled Principal Balances for the Classes or component listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges:

## Class or Component

PA, PB, PC, PD, PH, PJ, PK, PV, PX, PZ and VP
(in the aggregate)
YV and ZA1 (in the aggregate)
Structuring Ranges

100\% PSA through 250\% PSA
160\% PSA through 250\% PSA

Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | $\begin{aligned} & \text { Original Class } \\ & \text { Notional Balance } \end{aligned}$ | Represents Approximately |
| :---: | :---: | :---: |
| IA | \$ 83,679,120 | 100\% of PA and PX (in the aggregate) (PAC I Classes) |
| IB | 202,239,120 | 100\% of PA, PB, PC and PX (in the aggregate) (PAC I Classes) |
| IC | 75,600,000 | 100\% of PC (PAC I Class) |
| ID | 232,539,120 | $100 \%$ of PA, PB, PC, PD and PX (in the aggregate) (PAC I Classes) |
| IE | 221,859,120 | $100 \%$ of PA, PB, PC and PD (in the aggregate) (PAC I Classes) |
| IG | 251,739,120 | $100 \%$ of PA, PB, PC, PD, PH and PX (in the aggregate) (PAC I Classes) |
| IH | 241,059,120 | $100 \%$ of PA, PB, PC, PD and PH (in the aggregate) (PAC I Classes) |
| IJ | 295,059,120 | $100 \%$ of PA, PB, PC, PD, PH and PJ (in the aggregate) (PAC I Classes) |
| IK | 148,860,000 | $100 \%$ of PB, PC and PD (in the aggregate) (PAC I Classes) |
| IO | 72,999,120 | 100\% of PA (PAC I Class) |
| IY | 69,402,480 | 100\% of YV (PAC II/AD Class) |
| KI | 100,000,000 | 100\% of KA (SEQ Class) |
| MI | 42,960,000 | 100\% of PB (PAC I Class) |

Component Class: For purposes of calculating distributions of principal, Class ZA is comprised of multiple components having the designations and characteristics set forth below. Components are not separately transferable from the related Class of Securities.

| Class | Components | $\underset{\text { Principal }}{\text { Type }}$ | Interest Type | Interest Rate | Original Principal Balance |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ZA. | ZA1 | PAC II | FIX | 5.5\% | \$ 1,298,880 |
|  | ZA2 | SUP | FIX | 5.5 | 77,901,600 |

Tax Status: Single REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.
Regular and Residual Classes: Class R is a Residual Class and includes the Residual Interest of the Trust REMIC; all other Classes of REMIC Securities are Regular Classes.
Schedule I

| Available Combinations(1) |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| remic Securities |  |  | mX Securities |  |  |  |  |  |  |  |  |  |
| Class | $\underset{\text { Principal Balance }}{\substack{\text { Original Class }}}$ |  | Related MX Class | Maximum <br> Oriminal Class <br> Principal Balance <br> or Class Notional <br> Balance(2) |  | $\underset{\text { Principal }}{\text { Type(3) }}$ | Interest Rate | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\underset{\substack{\text { Distribal } \\ \text { Date(tion } \\ \text { Date }}}{\substack{\text { and }}}$ | $\begin{array}{c}\text { Increased } \\ \text { Minimum } \\ \text { Denomination(5) }\end{array}$ |  |
| Security Group 2 Combination 1(7) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| YV | \$ | 69,402,480 | IY | \$ | 69,402,480 | NTL(PAC II) | 5.50\% | FIX/IO | 38373SBX4 | January 2033 | \$ | 910,000 |
|  |  |  | YA |  | 69,402,480 | PAC II | 4.00 | FIX | 38373SBY2 | January 2033 |  | N/A |
|  |  |  | YB |  | 69,402,480 | PAC II | 4.25 | FIX | 38373 SBZ9 | January 2033 |  | N/A |
|  |  |  | YC |  | 69,402,480 | PAC II | 4.50 | FIX | 38373 CCA3 | January 2033 |  | N/A |
|  |  |  | YD |  | 69,402,480 | PAC II | 4.75 | FIX | 38373SCB1 | January 2033 |  | N/A |
|  |  |  | YE |  | 69,402,480 | PAC II | 5.00 | FIX | 38373SCC9 | January 2033 |  | N/A |
|  |  |  | YH |  | 69,402,480 | PAC II | 5.25 | FIX | 38373SCD7 | January 2033 |  | N/A |
|  |  |  | YJ |  | 63,618,940 | PAC II | 6.00 | FIX | 38373SCE5 | January 2033 |  | N/A |
|  |  |  | YK |  | 54,530,520 | PAC II | 7.00 | FIX | 38373SCF2 | January 2033 |  | N/A |
|  |  |  | YL |  | 47,714,205 | PAC II | 8.00 | FIX | 38373SCG0 | January 2033 |  | N/A |
|  |  |  | YP |  | 69,402,480 | PAC II | 0.00 | PO | 38373SCH8 | January 2033 | \$ | 110,000 |
| Combination 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| PA |  | \$ 72,999,120 | CA |  | 83,679,120 | PAC I | 5.50\% | FIX | 38373 SCJ 4 | October 2023 |  | N/A |
| PX |  | 10,680,000 |  |  |  |  |  |  |  |  |  |  |
| Combination 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| PA |  | \$ 72,999,120 | CB |  | 202,239,120 | PAC I | 5.50\% | FIX | 38373SCK1 | June 2028 |  | N/A |
| PB |  | 42,960,000 |  |  |  |  |  |  |  |  |  |  |
| PC |  | 75,600,000 |  |  |  |  |  |  |  |  |  |  |
| PX |  | 10,680,000 |  |  |  |  |  |  |  |  |  |  |
| Combination 4 |  |  |  |  |  |  |  |  |  |  |  |  |
| PA |  | \$ 72,999,120 | CD |  | 232,539,120 | PAC I | 5.50\% | FIX | 38373SCL9 | June 2029 |  | N/A |
| PB |  | 42,960,000 |  |  |  |  |  |  |  |  |  |  |
| PC |  | 75,600,000 |  |  |  |  |  |  |  |  |  |  |
| PD |  | 30,300,000 |  |  |  |  |  |  |  |  |  |  |
| PX |  | 10,680,000 |  |  |  |  |  |  |  |  |  |  |


| REMIC Securities |  |  | MX Securities |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class |  | Original Class incipal Balance | Related MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | Interest Rate | $\begin{array}{r} \text { Interest } \\ \text { Type(3) } \\ \hline \end{array}$ | CUSIP <br> Number | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | Increased <br> Minimum <br> Denomination(5) |
| Combination 5 |  |  |  |  |  |  |  |  |  |  |
| PA | \$ | 72,999,120 | CE | \$221,859,120 | PAC I | 5.50\% | FIX | 38373 SCM7 | June 2029 | N/A |
| PB |  | 42,960,000 |  |  |  |  |  |  |  |  |
| PC |  | 75,600,000 |  |  |  |  |  |  |  |  |
| PD |  | 30,300,000 |  |  |  |  |  |  |  |  |
| Combination 6 |  |  |  |  |  |  |  |  |  |  |
| PA | \$ | 72,999,120 | CG | \$251,739,120 | PAC I | 5.50\% | FIX | 38373 SCN 5 | January 2030 | N/A |
| PB |  | 42,960,000 |  |  |  |  |  |  |  |  |
| PC |  | 75,600,000 |  |  |  |  |  |  |  |  |
| PD |  | 30,300,000 |  |  |  |  |  |  |  |  |
| PH |  | 19,200,000 |  |  |  |  |  |  |  |  |
| PX |  | 10,680,000 |  |  |  |  |  |  |  |  |
| Combination 7 |  |  |  |  |  |  |  |  |  |  |
| PA | \$ | 72,999,120 | CH | \$241,059,120 | PAC I | 5.50\% | FIX | 38373 SCP 0 | January 2030 | N/A |
| PB |  | 42,960,000 |  |  |  |  |  |  |  |  |
| PC |  | 75,600,000 |  |  |  |  |  |  |  |  |
| PD |  | 30,300,000 |  |  |  |  |  |  |  |  |
| PH |  | 19,200,000 |  |  |  |  |  |  |  |  |
| Combination 8 |  |  |  |  |  |  |  |  |  |  |
| PA | \$ | 72,999,120 | CJ | \$295,059,120 | PAC I | 5.50\% | FIX | 38373 SCQ8 | August 2031 | N/A |
| PB |  | 42,960,000 |  |  |  |  |  |  |  |  |
| PC |  | 75,600,000 |  |  |  |  |  |  |  |  |
| PD |  | 30,300,000 |  |  |  |  |  |  |  |  |
| PH |  | 19,200,000 |  |  |  |  |  |  |  |  |
| PJ |  | 54,000,000 |  |  |  |  |  |  |  |  |
| Combination 9 |  |  |  |  |  |  |  |  |  |  |
| PB | \$ | 42,960,000 | CK | \$148,860,000 | PAC I | 5.50\% | FIX | 38373 SCR6 | June 2029 | N/A |
| PC |  | 75,600,000 |  |  |  |  |  |  |  |  |
| PD |  | 30,300,000 |  |  |  |  |  |  |  |  |
| Combination 10 |  |  |  |  |  |  |  |  |  |  |
| PD | \$ | 30,300,000 | CL | \$ 49,500,000 | PAC I | 5.50\% | FIX | 38373 SCS 4 | January 2030 | N/A |
| PH |  | 19,200,000 |  |  |  |  |  |  |  |  |
| Combination 11 |  |  |  |  |  |  |  |  |  |  |
| PH | \$ | 19,200,000 | CM | \$ 88,830,720 | PAC I | $5.50 \%$ | FIX | 38373 SCT 2 | January 2032 | N/A |
| PJ |  | 54,000,000 |  |  |  |  |  |  |  |  |
| PK |  | 15,630,720 |  |  |  |  |  |  |  |  |

REMIC Securities

| Class | Original Class Principal Balance |  | Maximum Original Class Principal Balance or Class Notional Balance (2) |  | Interest | 保 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Related MX Class |  | Principal Type(3) |  | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | Increased Minimum Denomination(5) |
| Combination 12 PV PZ VP | $\begin{array}{r} \$ 13,176,000 \\ 16,200,000 \\ 15,451,200 \end{array}$ | CN | \$ 44,827,200 | PAC I | 5.50\% | FIX | 38373SCU9 | February 2033 | N/A |
| Combination 13(7) |  |  |  |  |  |  |  |  |  |
|  |  | CT | 83,679,120 | PAC I | 3.00 | FIX | 38373 CW 5 | October 2023 | N/A |
|  |  | CU | 83,679,120 | PAC I | 3.50 | FIX | 38373 SCX3 | October 2023 | N/A |
|  |  | CV | 83,679,120 | PAC I | 4.00 | FIX | 38373 SCY1 | October 2023 | N/A |
|  |  | CW | 83,679,120 | PAC I | 4.50 | FIX | 38373 SCZ8 | October 2023 | N/A |
|  |  | CX | 83,679,120 | PAC I | 5.00 | FIX | 38373 DDA 2 | October 2023 | N/A |
|  |  | CY | 57,529,395 | PAC I | 8.00 | FIX | 38373 DDB0 | October 2023 | N/A |
|  |  | IA | 83,679,120 | NTL (PAC I) | 5.50 | FIX/IO | 38373SDC8 | October 2023 | \$1,455,000 |
| Combination 14 (7) |  |  |  |  |  |  |  |  |  |
| CB (6) | \$202,239,120 | BA | \$202,239,120 | PAC I | 3.00\% | FIX | 38373 DD 6 | June 2028 | N/A |
|  |  | BC | 202,239,120 | PAC I | 3.50 | FIX | 38373SDE4 | June 2028 | N/A |
|  |  | BD | 202,239,120 | PAC I | 4.00 | FIX | 38373SDF1 | June 2028 | N/A |
|  |  | BE | 202,239,120 | PAC I | 4.50 | FIX | 38373 SDG9 | June 2028 | N/A |
|  |  | BG | 202,239,120 | PAC I | 5.00 | FIX | 38373 SDH7 | June 2028 | N/A |
|  |  | BH | 139,039,395 | PAC I | 8.00 | FIX | 38373 SDJ3 | June 2028 | N/A |
|  |  | BP | 202,239,120 | PAC I | 0.00 | PO | 38373 DEK0 | June 2028 | \$ 107,000 |
|  |  | IB | 202,239,120 | NTL (PAC I) | 5.50 | FIX/IO | 38373SDL8 | June 2028 | \$ 910,000 |
| Combination 15(7) |  |  |  |  |  |  |  |  |  |
| CD (6) | \$232,539,120 | BO | \$232,539,120 | PAC I | 0.00\% | PO | 38373 DDM 6 | June 2029 | \$ 111,000 |
|  |  | BT | 232,539,120 | PAC I | 3.00 | FIX | 38373SDN4 | June 2029 | N/A |
|  |  | BU | 232,539,120 | PAC I | 3.50 | FIX | 38373SDP9 | June 2029 | N/A |
|  |  | BV | 232,539,120 | PAC I | 4.00 | FIX | 38373 SDQ7 | June 2029 | N/A |
|  |  | BW | 232,539,120 | PAC I | 4.50 | FIX | 38373 DDR5 | June 2029 | N/A |
|  |  | BX | 232,539,120 | PAC I | 5.00 | FIX | 38373 SDS3 | June 2029 | N/A |
|  |  | BY | 159,870,645 | PAC I | 8.00 | FIX | 38373SDT1 | June 2029 | N/A |
|  |  | ID | 232,539,120 | NTL (PAC I) | 5.50 | FIX/IO | 38373 SDU8 | June 2029 | \$ 728,000 |


| , | $\begin{array}{l}\text { Original Class } \\ \text { Principal Balance }\end{array}$ | RelatedMX Class |  |  | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ |  |  |  | Increased <br> Minimum <br> Denomination(5) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class |  |  | Maximum <br> Original Class <br> Principal Balance <br> or Class Notional <br> Balance(2) | Principal Type(3) |  | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |  |  |
| Combination 16(7) |  |  |  |  |  |  |  |  |  |  |
| CE (6) | \$221,859,120 | DA | \$221,859,120 | PAC I | 3.00\% | FIX | 38373 SDV6 | June 2029 |  | N/A |
|  |  | DB | 221,859,120 | PAC I | 3.50 | FIX | 38373 DWW4 | June 2029 |  | N/A |
|  |  | DC | 221,859,120 | PAC I | 4.00 | FIX | 38373SDX2 | June 2029 |  | N/A |
|  |  | DE | 221,859,120 | PAC I | 4.50 | FIX | 38373 D Y0 | June 2029 |  | N/A |
|  |  | DG | 221,859,120 | PAC I | 5.00 | FIX | 38373 SDZ7 | June 2029 |  | N/A |
|  |  | DH | 152,528,145 | PAC I | 8.00 | FIX | 38373 SEA1 | June 2029 |  | N/A |
|  |  | DP | 221,859,120 | PAC I | 0.00 | PO | 38373 SEB9 | June 2029 | \$ | 110,000 |
|  |  | IE | 221,859,120 | NTL (PAC I) | 5.50 | FIX/IO | 38373 SEC 7 | June 2029 | \$ | 728,000 |
| Combination 17(7) |  |  |  |  |  |  |  |  |  |  |
| CG (6) | \$251,739,120 | DO | \$251,739,120 | PAC I | 0.00\% | PO | 38373SED5 | January 2030 | \$ | 111,000 |
|  |  | DT | 251,739,120 | PAC I | 3.00 | FIX | 38373 SEE3 | January 2030 |  | N/A |
|  |  | DU | 251,739,120 | PAC I | 3.50 | FIX | 38373SEF0 | January 2030 |  | N/A |
|  |  | DV | 251,739,120 | PAC I | 4.00 | FIX | 38373SEG8 | January 2030 |  | N/A |
|  |  | DW | 251,739,120 | PAC I | 4.50 | FIX | 38373SEH6 | January 2030 |  | N/A |
|  |  | DX | 251,739,120 | PAC I | 5.00 | FIX | 38373 SEJ 2 | January 2030 |  | N/A |
|  |  | DY | 173,070,645 | PAC I | 8.00 | FIX | 38373SEK9 | January 2030 |  | N/A |
|  |  | IG | 251,739,120 | NTL (PAC I) | 5.50 | FIX/IO | 38373 SEL7 | January 2030 | \$ | 728,000 |
| Combination 18(7) |  |  |  |  |  |  |  |  |  |  |
| CH (6) | \$241,059,120 | EA | \$241,059,120 | PAC I | 3.00\% | FIX | 38373SEM5 | January 2030 |  | N/A |
|  |  | EB | 241,059,120 | PAC I | 3.50 | FIX | 38373SEN3 | January 2030 |  | N/A |
|  |  | EC | 241,059,120 | PAC I | 4.00 | FIX | 38373 SEP8 | January 2030 |  | N/A |
|  |  | ED | 241,059,120 | PAC I | 4.50 | FIX | 38373 SEQ6 | January 2030 |  | N/A |
|  |  | EG | 241,059,120 | PAC I | 5.00 | FIX | 38373 SER 4 | January 2030 |  | N/A |
|  |  | EH | 165,728,145 | PAC I | 8.00 | FIX | 38373SES2 | January 2030 |  | N/A |
|  |  | EP | 241,059,120 | PAC I | 0.00 | PO | 38373SET0 | January 2030 | \$ | 114,000 |
|  |  | IH | 241,059,120 | NTL (PAC I) | 5.50 | FIX/IO | 38373SEU 7 | January 2030 | \$ | 607,000 |
| Combination 19(7) |  |  |  |  |  |  |  |  |  |  |
| CJ (6) | \$295,059,120 | EO | \$295,059,120 | PAC I | 0.00\% | PO | 38373SEV5 | August 2031 | \$ | 118,000 |
|  |  | ET | 295,059,120 | PAC I | 3.00 | FIX | 38373SEW3 | August 2031 |  | N/A |
|  |  | EU | 295,059,120 | PAC I | 3.50 | FIX | 38373SEX1 | August 2031 |  | N/A |
|  |  | EV | 295,059,120 | PAC I | 4.00 | FIX | 38373 SEY9 | August 2031 |  | N/A |
|  |  | EW | 295,059,120 | PAC I | 4.50 | FIX | 38373SEZ6 | August 2031 |  | N/A |
|  |  | EX | 295,059,120 | PAC I | 5.00 | FIX | 38373 SFA0 | August 2031 |  | N/A |
|  |  | EY | 202,853,145 | PAC I | 8.00 | FIX | 38373 SFB8 | August 2031 |  | N/A |
|  |  | IJ | 295,059,120 | NTL (PAC I) | 5.50 | FIX/IO | 38373SFC6 | August 2031 | \$ | 520,000 |


| Class | Original Class Principal Balance | Related MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) |  | Interest | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ |  | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Increased } \\ \text { Minimum } \\ \text { Denomination(5) } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Type(3) <br> Principal |  |  | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ |  |  |
| Combination 20(7) |  |  |  |  |  |  |  |  |  |
| CK (6) | \$148,860,000 | GA | \$148,860,000 | PAC I | 3.00\% | FIX | 38373SFD4 | June 2029 | N/A |
|  |  | GB | 148,860,000 | PAC I | 3.50 | FIX | 38373SFE2 | June 2029 | N/A |
|  |  | GC | 148,860,000 | PAC I | 4.00 | FIX | 38373 SFF9 | June 2029 | N/A |
|  |  | GD | 148,860,000 | PAC I | 4.50 | FIX | 38373 SFG7 | June 2029 | N/A |
|  |  | GE | 148,860,000 | PAC I | 5.00 | FIX | 38373 SFH5 | June 2029 | N/A |
|  |  | GH | 102,341,250 | PAC I | 8.00 | FIX | 38373 SFJ 1 | June 2029 | N/A |
|  |  | GP | 148,860,000 | PAC I | 0.00 | PO | 38373SFK8 | June 2029 | \$ 118,000 |
|  |  | IK | 148,860,000 | NTL (PAC I) | 5.50 | FIX/IO | 38373 SFL6 | June 2029 | \$ 520,000 |
| Combination 21(7) |  |  |  |  |  |  |  |  |  |
| PA | \$ 72,999,120 | IO | \$ 72,999,120 | NTL (PAC I) | 5.50\% | FIX/IO | 38373SFM4 | October 2023 | \$1,213,000 |
|  |  | LO | 72,999,120 | PAC I | 0.00 | PO | 38373 SFN2 | October 2023 | \$ 104,000 |
|  |  | LT | 72,999,120 | PAC I | 3.00 | FIX | 38373 SFP7 | October 2023 | N/A |
|  |  | LU | 72,999,120 | PAC I | 3.50 | FIX | 38373 SFQ 5 | October 2023 | N/A |
|  |  | LV | 72,999,120 | PAC I | 4.00 | FIX | 38373 SFR 3 | October 2023 | N/A |
|  |  | LW | 72,999,120 | PAC I | 4.50 | FIX | 38373SFS 1 | October 2023 | N/A |
|  |  | LX | 72,999,120 | PAC I | 5.00 | FIX | 38373SFT9 | October 2023 | N/A |
|  |  | LY | 50,186,895 | PAC I | 8.00 | FIX | 38373SFU6 | October 2023 | N/A |
| Combination 22(7) |  |  |  |  |  |  |  |  |  |
| PB | \$ 42,960,000 | MA | \$ 42,960,000 | PAC I | 3.00\% | FIX | 38373SFV4 | August 2025 | N/A |
|  |  | MB | 42,960,000 | PAC I | 3.50 | FIX | 38373SFW2 | August 2025 | N/A |
|  |  | MC | 42,960,000 | PAC I | 4.00 | FIX | 38373SFX0 | August 2025 | N/A |
|  |  | MD | 42,960,000 | PAC I | 4.50 | FIX | 38373SFY8 | August 2025 | N/A |
|  |  | ME | 42,960,000 | PAC I | 5.00 | FIX | 38373 SFZ5 | August 2025 | N/A |
|  |  | MG | 29,535,000 | PAC I | 8.00 | FIX | 38373SGA9 | August 2025 | N/A |
|  |  | MI | 42,960,000 | NTL (PAC I) | 5.50 | FIX/IO | 38373SGB7 | August 2025 | \$ 728,000 |
|  |  | MP | 42,960,000 | PAC I | 0.00 | PO | 38373 SGC5 | August 2025 | \$ 109,000 |
| Combination 23(7) |  |  |  |  |  |  |  |  |  |
| PC | \$ 75,600,000 | IC | \$ 75,600,000 | NTL (PAC I) | 5.50\% | FIX/IO | 38373SGD3 | June 2028 | \$ 667,000 |
|  |  | MO | 75,600,000 | PAC I | 0.00 | PO | 38373SGE1 | June 2028 | \$ 112,000 |
|  |  | MT | 75,600,000 | PAC I | 3.00 | FIX | 38373 SGF8 | June 2028 | N/A |
|  |  | MU | 75,600,000 | PAC I | 3.50 | FIX | 38373 SGG6 | June 2028 | N/A |
|  |  | MV | 75,600,000 | PAC I | 4.00 | FIX | 38373 SGH4 | June 2028 | N/A |
|  |  | MW | 75,600,000 | PAC I | 4.50 | FIX | 38373 G GJ 0 | June 2028 | N/A |
|  |  | MX | 75,600,000 | PAC I | 5.00 | FIX | 38373 SGK7 | June 2028 | N/A |
|  |  | MY | 51,975,000 | PAC I | 8.00 | FIX | 38373 GGL5 | June 2028 | N/A |

REMIC Securities


# Government National Mortgage Association 

GINNIE MAE ${ }^{\circledR}$


Guaranteed REMIC Pass-Through Securities and MX Securities
Ginnie Mae REMIC Trust 2002-79


## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

The Ginnie Mae Guaranty
Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be November 29, 2002.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

The date of this Offering Circular Supplement is November 21, 2002.

Ginnie Mae REMIC Trust 2002-79
The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | Original Principal Balance(2) | $\begin{aligned} & \text { Interest } \\ & \text { Rate } \end{aligned}$ | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | Interest Type(3) | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| KJ (1) | \$ 10,000,000 | 5.5\% | SEQ | FIX | May 2032 | 38373YAA2 |
| KL(1) | 6,097,561 | 5.5 | SEQ | FIX | November 2032 | 38373YAB0 |
| LA (1) | 246,000,000 | 5.5 | SEQ | FIX | September 2026 | $38373 Y A C 8$ |
| LE (1) | 36,080,000 | 5.5 | SEQ | FIX | May 2028 | $38373 Y A D 6$ |
| LG(1) | 32,800,000 | 5.5 | SEQ | FIX | August 2029 | 38373YAE 4 |
| LH (1) | 13,120,000 | 5.5 | SEQ | FIX | February 2030 | 38373 YAF1 |
| LM (1) | 38,704,000 | 5.5 | SEQ | FIX | July 2031 | 38373YAG9 |
| LV(1) | 6,593,561 | 5.5 | AD / SEQ | FIX | December 2011 | 38373 YAH 7 |
| LW (1) | 10,302,439 | 5.5 | SEQ /AD | FIX | August 2020 | 38373Y A J 3 |
| LZ(1) | 10,302,439 | 5.5 | SEQ | FIX / Z | November 2032 | 38373YAK0 |
| Security Group 2 |  |  |  |  |  |  |
| FA.... | 67,690,803 | (5) | PT | FLT | November 2032 | 38373YAL8 |
| SA | 67,690,803 | (5) | NTL (PT) | INV/IO | November 2032 | 38373YAM6 |
| Security Group 3 |  |  |  |  |  |  |
| FB | 13,000,000 | (5) | PT | FLT | November 2032 | 38373YAN4 |
| SB | 13,000,000 | (5) | NTL (PT) | INV/IO | November 2032 | 38373YAP9 |
| Security Group 4 |  |  |  |  |  |  |
| JA | 3,794,443 | 5.5 | SEQ | FIX | February 2015 | 38373 YAQ 7 |
| JB | 5,014,521 | 5.5 | SEQ | FIX | April 2023 | 38373 YAR 5 |
| JC | 3,774,082 | 5.5 | SEQ | FIX | April 2027 | 38373 YAS 3 |
| JD | 1,514,094 | 5.5 | SEQ | FIX | August 2028 | $38373 Y$ AT1 |
| JE | 1,187,847 | 5.5 | SEQ | FIX | August 2029 | $38373 Y A U 8$ |
| JG | 1,401,158 | 5.5 | SEQ | FIX | September 2030 | 38373YAV6 |
| JH | 1,513,592 | 5.5 | SEQ | FIX | September 2031 | 38373YAW4 |
| JK | 1,308,892 | 5.5 | SEQ | FIX | August 2032 | 38373YAX2 |
| JL | 491,371 | 5.5 | SEQ | FIX | November 2032 | 38373YAY0 |
| Security Group 5 |  |  |  |  |  |  |
| IP | 98,850,632 | 6.0 | SC/NTL (PT) | FIX/IO | June 2028 | 38373 YBG8 |
| IS | 38,367,464 | 6.0 | SC/NTL (PT) | FIX/IO | September 2028 | 38373YBH6 |
| Security Group 6 |  |  |  |  |  |  |
| KB. | 28,467,154 | 6.0 | SUP | FIX | August 2031 | 38373 Y B J 2 |
| KP(1) | 300,000,000 | 6.0 | PAC | FIX | August 2031 | $38373 Y B K 9$ |
| KV (1) | 12,000,000 | 6.0 | SEQ / AD | FIX | November 2013 | 38373 Y B L 7 |
| KW (1) | 11,496,350 | 6.0 | SEQ / AD | FIX | February 2020 | $38373 Y B M 5$ |
| KZ(1) | 13,000,000 | 6.0 | SEQ | FIX / Z | November 2032 | $38373 Y B N 3$ |
| Residual |  |  |  |  |  |  |
| R. | 0 | 0.0 | NPR | NPR | November 2032 | 38373 YBP 8 |

[^5]
## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."
Sponsor: Salomon Smith Barney Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: November 29, 2002
Distribution Dates: For Group 1, 4, 5 and 6 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in December 2002. For Group 2 and 3 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in December 2002.

Trust Assets:

| Trust Asset Group | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II | 5.5\% | 30 |
| 2 | Ginnie Mae I | 8.0 | 30 |
| 3 | Ginnie Mae I | 10.0 | 30 |
| 4 | Ginnie Mae II | 5.5 | 30 |
| $5 \mathrm{~A}^{(1)}$ | Underlying Certificates | (2) | (2) |
| $5 \mathrm{~B}^{(1)}$ | Underlying Certificates | (2) | (2) |
| 6 | Ginnie Mae II | 6.0 | 30 |

${ }^{(1)}$ Trust Asset Group 5 consists of two subgroups, Subgroup 5A and Subgroup 5B (each, a "Subgroup"). Certain information regarding these Subgroups is set forth in Exhibit A to this Supplement.
${ }^{(2)}$ Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.
Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4 and 6 Trust Assets ${ }^{1}$ :

| Principal Balance ${ }^{2}$ | Weighted Average Remaining Term to Maturity (in months) | Weighted Average Loan Age (in months) | Weighted Average Mortgage Rate |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets |  |  |  |
| \$410,000,000 | 354 | 4 | 6.30\% |
| Group 2 Trust Assets |  |  |  |
| \$ 67,690,803 | 161 | 188 | 8.50\% |
| Group 3 Trust Assets |  |  |  |
| \$ 13,000,000 | 149 | 200 | 10.50\% |
| Group 4 Trust Assets |  |  |  |
| \$ 20,000,000 | 355 | 1 | 6.31\% |
| Group 6 Trust Assets |  |  |  |
| \$364,963,504 | 354 | 4 | 6.78\% |
| ${ }^{1}$ As of November 1, 2002. |  |  |  |
| ${ }^{2}$ Does not include Group 1 Trust Assets that will be added to pay the Trustee Fee. |  |  |  |
| 3 The Mortgag interest at rat Certificate R | Loans underlying es ranging from 0 te. | roup 1, 4 and 6 $1.5 \%$ per annu | ssets may bea ove the relate |

The actual remaining terms to maturity, loan ages and, in the case of the Group 1, 4 and 6 Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trusts.
Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.
Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.
Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only or Inverse Floating Rate Class. See "Description of the Securities - Form of Securities" in this Supplement.
Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | Initial Interest Rate(2) | $\begin{gathered} \text { Minimum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.30\% | 2.10\% | 0.30\% | 8.00\% | 0 | 0.00\% |
| FB | LIBOR + 0.25\% | 2.05\% | 0.25\% | 9.00\% | 0 | 0.00\% |
| SA | 7.70\% - LIBOR | 5.90\% | 0.00\% | 7.70\% | 0 | 7.70\% |
| SB | 9.75\% - LIBOR | 7.95\% | 1.00\% | 9.75\% | 0 | 8.75\% |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

A percentage of the Group 1 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 1 Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount") and the LZ Accrual Amount will be allocated as follows:

- The LZ Accrual Amount in the following order of priority:

1. Sequentially, to LV and LW, in that order, until retired
2. To LZ, until retired

- The Group 1 Adjusted Principal Distribution Amount in the following order of priority:

1. Sequentially, to LA, LE, LG, LH and LM, in that order, until retired
2. Concurrently:
a. $37.1802499076 \%$, sequentially, to KJ and KL, in that order, until retired
b. $62.8197500924 \%$, sequentially, to LV, LW and LZ, in that order, until retired

## SECURITY GROUP 2

The Group 2 Principal Distribution Amount will be allocated to FA, until retired

## SECURITY GROUP 3

The Group 3 Principal Distribution Amount will be allocated to FB, until retired

## SECURITY GROUP 4

The Group 4 Principal Distribution Amount will be allocated, sequentially, to JA, JB, JC, JD, JE, JG, JH, JK and JL, in that order, until retired

## SECURITY GROUP 6

The Group 6 Principal Distribution Amount and the KZ Accrual Amount will be allocated as follows:

- The KZ Accrual Amount in the following order of priority:

1. Sequentially, to KV and KW, in that order, until retired
2. To KZ, until retired

- The Group 6 Principal Distribution Amount in the following order of priority:

1. To KP, until reduced to its Scheduled Principal Balance for that Distribution Date
2. To KB, until retired
3. To KP, without regard to its Scheduled Principal Balance, until retired
4. Sequentially, to KV, KW and KZ, in that order, until retired

Scheduled Principal Balances: The Scheduled Principal Balances for the Class listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Range:

| Class | Structuring Range |
| :---: | :---: |
| KP | 412\% PSA through 500\% PSA |

Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."
Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| IA | \$246,000,000 | 100\% of LA (SEQ Class) |
| IB | \$282,080,000 | 100\% of LA and LE (SEQ Classes) |
| IC | \$314,880,000 | 100\% of LA, LE and LG (SEQ Classes) |
| ID | \$328,000,000 | 100\% of LA, LE, LG and LH (SEQ Classes) |
| IE | \$ 1,916,058 | 16.6666666667\% of KW (SEQ / AD Class) |
| IK | \$100,000,000 | $33.3333333333 \%$ of KP (PAC Class) |
| IM . | $\begin{array}{r} \$ 62,826,146 \\ 4,608,000 \end{array}$ | $17.1326591161 \%$ of LA, LE, LG, LH and LM (SEQ Classes) $27.2727272727 \%$ of LV (AD/SEQ Class) and LW (SEQ/AD Class) |


| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| IN | \$100,010,181 | $27.2727272727 \%$ of LA, LE, LG, LH and LM (SEQ Classes) |
| IP | \$ 98,850,632 | 100\% of the Subgroup 5A Trust Assets |
| IS. | \$ 38,367,464 | 100\% of the Subgroup 5B Trust Assets |
| NI | \$ 4,000,000 | $33.3333333333 \%$ of KV (SEQ/AD Class) |
| SA | \$ 67,690,803 | 100\% of FA (PT Class) |
| SB | \$ 13,000,000 | 100\% of FB (PT Class) |

Tax Status: Single REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.
Regular and Residual Classes: Class R is a Residual Class; all other Classes of REMIC Securities are Regular Classes.
Schedule I

| Available Combinations(1) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| REmIC Securities |  | MX Securities |  |  |  |  |  |  |  |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type(3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Increased } \\ \text { Minimum } \\ \text { Denomination(5) } \\ \hline \end{gathered}$ |
| Security Group 1 |  |  |  |  |  |  |  |  |  |
| Combination 1 |  |  |  |  |  |  |  |  |  |
| LA | \$246,000,000 | LN | \$366,704,000 | SEQ | 5.50\% | FIX | 38373 YBQ6 | July 2031 | N/A |
| LE. | 36,080,000 |  |  |  |  |  |  |  |  |
| LG. . | 32,800,000 |  |  |  |  |  |  |  |  |
| LH . . | 13,120,000 |  |  |  |  |  |  |  |  |
| LM. . | 38,704,000 |  |  |  |  |  |  |  |  |
| Combination 2 |  |  |  |  |  |  |  |  |  |
| LG. . | \$ 32,800,000 | LT | \$ 84,624,000 | SEQ | 5.50\% | FIX | 38373 Y BR 4 | July 2031 | N/A |
| LH. . | 13,120,000 |  |  |  |  |  |  |  |  |
| LM. | 38,704,000 |  |  |  |  |  |  |  |  |
| Combination 3 |  |  |  |  |  |  |  |  |  |
| LE | \$ 36,080,000 | LU | \$120,704,000 | SEQ | 5.50\% | FIX | 38373 Y B S 2 | July 2031 | N/A |
| LG | 32,800,000 |  |  |  |  |  |  |  |  |
| LH. . | 13,120,000 |  |  |  |  |  |  |  |  |
| LM. . | 38,704,000 |  |  |  |  |  |  |  |  |
| Combination 4 |  |  |  |  |  |  |  |  |  |
| LA.. | \$246,000,000 | LB | \$282,080,000 | SEQ | 5.50\% | FIX | 38373 YBT0 | May 2028 | N/A |
| LE.... | 36,080,000 |  |  |  |  |  |  |  |  |
| Combination 5 |  |  |  |  |  |  |  |  |  |
| LA . | \$246,000,000 | LC | \$314,880,000 | SEQ | 5.50\% | FIX | $38373 Y B U 7$ | August 2029 | N/A |
| LE | 36,080,000 |  |  |  |  |  |  |  |  |
| LG | 32,800,000 |  |  |  |  |  |  |  |  |
| Combination 6 |  |  |  |  |  |  |  |  |  |
| LA . | \$246,000,000 | LD | \$328,000,000 | SEQ | 5.50\% | FIX | 38373 YBV 5 | February 2030 | N/A |
| LE | 36,080,000 |  |  |  |  |  |  |  |  |
| LG. | 32,800,000 |  |  |  |  |  |  |  |  |
| LH. | 13,120,000 |  |  |  |  |  |  |  |  |

REMIC Securities

| $\begin{gathered} \text { Related } \\ \text { MX Class } \\ \hline \end{gathered}$ | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type(3) | $\begin{array}{c}\text { Interest } \\ \text { Rate }\end{array}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date }(4) \\ \hline \end{gathered}$ | Increased <br> Minimum <br> Denomination(5) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LJ | \$ 27,198,439 | SEQ | 5.50\% | FIX | 38373YBW3 | November 2032 | N/A |
| LK | \$ 16,896,000 | SEQ / AD | 5.50\% | FIX | 38373 YBX 1 | August 2020 | N/A |
| LY | \$ 43,296,000 | SEQ | 5.50\% | FIX | 38373 Y BY9 | November 2032 | N/A |
| AB | \$246,000,000 | SEQ | 3.50\% | FIX | 38373 Y BZ6 | September 2026 | N/A |
| AC | 246,000,000 | SEQ | 3.75 | FIX | $38373 \mathrm{YCA0}$ | September 2026 | N/A |
| AD | 246,000,000 | SEQ | 4.00 | FIX | 38373 YCB 8 | September 2026 | N/A |
| AE | 246,000,000 | SEQ | 4.25 | FIX | 38373 YCC6 | September 2026 | N/A |
| AG | 246,000,000 | SEQ | 4.50 | FIX | 38373 YCD 4 | September 2026 | N/A |
| AH | 246,000,000 | SEQ | 4.75 | FIX | 38373 YCE 2 | September 2026 | N/A |
| AJ | 246,000,000 | SEQ | 5.00 | FIX | 38373 YCF9 | September 2026 | N/A |
| AK | 246,000,000 | SEQ | 5.25 | FIX | 38373YCG7 | September 2026 | N/A |
| AL | 225,500,000 | SEQ | 6.00 | FIX | $38373 \mathrm{YCH5}$ | September 2026 | N/A |
| AM | 193,285,714 | SEQ | 7.00 | FIX | 38373 Y C J 1 | September 2026 | N/A |
| AN | 169,125,000 | SEQ | 8.00 | FIX | 38373 YCK 8 | September 2026 | N/A |
| AP | 246,000,000 | SEQ | 0.00 | PO | 38373Y CL6 | September 2026 | \$ 111,000 |
| IA | 246,000,000 | NTL (SEQ) | 5.50 | FIX/IO | 38373YCM4 | September 2026 | \$ 809,000 |


REMIC Securities

| Related MX Class | Maximum <br> Orininial Class <br> Principal Balance <br> or Class Notional <br> Balance(2) | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | Interest Rate | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ | Increased <br> Minimum <br> Denomination(5) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BA | \$282,080,000 | SEQ | 3.50\% | FIX | 38373YCN2 | May 2028 | N/A |
| BC | 282,080,000 | SEQ | 3.75 | FIX | $38373 \mathrm{YCP7}$ | May 2028 | N/A |
| BD | 282,080,000 | SEQ | 4.00 | FIX | $38373 Y C Q 5$ | May 2028 | N/A |
| BE | 282,080,000 | SEQ | 4.25 | FIX | 38373 YCR3 | May 2028 | N/A |
| BG | 282,080,000 | SEQ | 4.50 | FIX | 38373YCS 1 | May 2028 | N/A |
| BH | 282,080,000 | SEQ | 4.75 | FIX | 38373YCT9 | May 2028 | N/A |
| BJ | 282,080,000 | SEQ | 5.00 | FIX | $38373 Y C U 6$ | May 2028 | N/A |
| BK | 282,080,000 | SEQ | 5.25 | FIX | $38373 Y$ CV4 | May 2028 | N/A |
| BL | 258,573,333 | SEQ | 6.00 | FIX | 38373 YCW 2 | May 2028 | N/A |
| BM | 221,634,285 | SEQ | 7.00 | FIX | 38373YCX0 | May 2028 | N/A |
| BN | 193,930,000 | SEQ | 8.00 | FIX | $38373 \mathrm{YCY8}$ | May 2028 | N/A |
| BP | 282,080,000 | SEQ | 0.00 | PO | 38373YCZ5 | May 2028 | 113,000 |
| IB | 282,080,000 | NTL (SEQ) | 5.50 | FIX/IO | $38373 Y$ DA9 | May 2028 | 728,000 |
| CA | \$314,880,000 | SEQ | 3.50\% | FIX | $38373 Y$ DB7 | August 2029 | N/A |
| CB | 314,880,000 | SEQ | 3.75 | FIX | 38373YDC5 | August 2029 | N/A |
| CD | 314,880,000 | SEQ | 4.00 | FIX | 38373YDD3 | August 2029 | N/A |
| CE | 314,880,000 | SEQ | 4.25 | FIX | $38373 Y$ DE 1 | August 2029 | N/A |
| CG | 314,880,000 | SEQ | 4.50 | FIX | 38373YDF8 | August 2029 | N/A |
| CH | 314,880,000 | SEQ | 4.75 | FIX | 38373 YDG6 | August 2029 | N/A |
| CJ | 314,880,000 | SEQ | 5.00 | FIX | 38373 YDH 4 | August 2029 | N/A |
| CK | 314,880,000 | SEQ | 5.25 | FIX | 38373 Y DJ 0 | August 2029 | N/A |
| CL | 288,640,000 | SEQ | 6.00 | FIX | 38373 YDK7 | August 2029 | N/A |
| CM | 247,405,714 | SEQ | 7.00 | FIX | 38373 YDL5 | August 2029 | N/A |
| CN | 216,480,000 | SEQ | 8.00 | FIX | 38373YDM3 | August 2029 | N/A |
| CP | 314,880,000 | SEQ | 0.00 | PO | $38373 Y D N 1$ | August 2029 | 115,000 |
| IC | 314,880,000 | NTL (SEQ) | 5.50 | FIX/IO | 38373YDP6 | August 2029 | 667,000 |

$\begin{array}{cc}\text { Class } & \begin{array}{c}\text { Original Class } \\ \text { Principal Balance } \\ \text { or Class } \\ \text { Notional Balance }\end{array} \\ \text { Combination } & 11(7) \\ \operatorname{LB}(6) \ldots . . & \$ 282,080,000\end{array}$
Combination $12(7)$
$\operatorname{LC}(6) \ldots . . . \$ 314,880,000$
REMIC Securities

| Class $\quad$Original Class <br> Principal Balance <br> or Class <br> Notional Balance | $\begin{gathered} \text { Related } \\ \text { MX Class } \end{gathered}$ | Maximum <br> Original Class <br> Principal Balance <br> or Class Notional <br> Balance(2) | Principal Type(3) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \begin{array}{c} \text { CUSIP } \\ \text { Number } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |  | $\begin{aligned} & \text { ncreased } \\ & \text { Kinimum } \\ & \text { mination(5) } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Combination 13(7) |  |  |  |  |  |  |  |  |  |
| LD (6) .... \$328,000,000 | DA | \$328,000,000 | SEQ | 3.50\% | FIX | $38373 Y$ QQ4 | February 2030 |  | N/A |
|  | DB | 328,000,000 | SEQ | 3.75 | FIX | 38373 YDR2 | February 2030 |  | N/A |
|  | DC | 328,000,000 | SEQ | 4.00 | FIX | 38373 YDS 0 | February 2030 |  | N/A |
|  | DE | 328,000,000 | SEQ | 4.25 | FIX | 38373 YDT8 | February 2030 |  | N/A |
|  | DG | 328,000,000 | SEQ | 4.50 | FIX | $38373 Y D U 5$ | February 2030 |  | N/A |
|  | DH | 328,000,000 | SEQ | 4.75 | FIX | 38373YDV3 | February 2030 |  | N/A |
|  | DJ | 328,000,000 | SEQ | 5.00 | FIX | 38373YDW1 | February 2030 |  | N/A |
|  | DK | 328,000,000 | SEQ | 5.25 | FIX | 38373YDX9 | February 2030 |  | N/A |
|  | DL | 300,666,666 | SEQ | 6.00 | FIX | 38373 YDY7 | February 2030 |  | N/A |
|  | DM | 257,714,285 | SEQ | 7.00 | FIX | 38373YDZ4 | February 2030 |  | N/A |
|  | DN | 225,500,000 | SEQ | 8.00 | FIX | 38373YEA8 | February 2030 |  | N/A |
|  | DP | 328,000,000 | SEQ | 0.00 | PO | 38373YEB6 | February 2030 | \$ | 116,000 |
|  | ID | 328,000,000 | NTL(SEQ) | 5.50 | FIX/IO | 38373YEC4 | February 2030 | \$ | 650,000 |
| Combination 14 (7) |  |  |  |  |  |  |  |  |  |
| LN(6) .... \$230,362,536 | MA | \$247,258,536 | SEQ / AD | 5.50\% | FIX | 38373 YED 2 | July 2031 |  | N/A |
|  | MB | 247,258,536 | SEQ / AD | 4.00 | FIX | 38373YEE 0 | July 2031 |  | N/A |
|  | MC | 247,258,536 | SEQ / AD | 4.50 | FIX | 38373YEF 7 | July 2031 |  | N/A |
|  | MD | 247,258,536 | SEQ / AD | 5.00 | FIX | 38373YEG5 | July 2031 |  | N/A |
|  | MH | 247,258,536 | SEQ / AD | 4.75 | FIX | 38373YEH3 | July 2031 |  | N/A |
|  | IM | 67,434,146 | NTL/ (SEQ/AD) | 5.50 | FIX/IO | 38373YEJ 9 | July 2031 | \$ | 520,000 |
| Combination $15(7)$ ( ${ }^{\text {c }}$ |  |  |  |  |  |  |  |  |  |
| LN(6) $\ldots . . \$ 366,704,000$ | ME | \$366,704,000 | SEQ | 4.00\% | FIX | 38373YEK6 | July 2031 |  | N/A |
|  | MG | 366,704,000 | SEQ | 4.50 | FIX | 38373YEL4 | July 2031 |  | N/A |
|  | MJ | 366,704,000 | SEQ | 4.75 | FIX | 38373YEM2 | July 2031 |  | N/A |
|  | MK | 366,704,000 | SEQ | 5.00 | FIX | 38373YEN0 | July 2031 |  | N/A |
|  | IN | 100,010,181 | NTL(SEQ) | 5.50 | FIX/IO | 38373YEP5 | July 2031 | \$ | 520,000 |


| REMIC Securities |  | curities |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance Notion Class Notional Balance | $\begin{array}{c}\text { Related } \\ \text { MX Class }\end{array}$ | Maximum <br> Original Class <br> Principal Batance <br> or Classs Notional <br> Balance(2) | $\begin{aligned} & \text { Principal } \\ & \text { Type }(3) \\ & \hline \end{aligned}$ | Interest Rate | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} { }_{\text {CUSIP }}^{\text {Cumber }} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |  | $\begin{aligned} & \text { ncreased } \\ & \text { hinimum } \\ & \text { mination(5) } \end{aligned}$ |
| Security Group 6 |  |  |  |  |  |  |  |  |  |  |
| Combination 16(7) |  |  |  |  |  |  |  |  |  |  |
| KP | \$300,000,000 | KA | \$300,000,000 | PAC | 4.35\% | FIX | 38373YES9 | August 2031 |  | N/A |
|  |  | KC | 300,000,000 | PAC | 4.00 | FIX | 38373YET7 | August 2031 |  | N/A |
|  |  | KD | 300,000,000 | PAC | 4.25 | FIX | 38373 YEU4 | August 2031 |  | N/A |
|  |  | KE | 300,000,000 | PAC | 4.50 | FIX | 38373YEV2 | August 2031 |  | N/A |
|  |  | KG | 300,000,000 | PAC | 4.75 | FIX | 38373YEW0 | August 2031 |  | N/A |
|  |  | KH | 300,000,000 | PAC | 5.00 | FIX | 38373YEX8 | August 2031 |  | N/A |
|  |  | KT | 300,000,000 | PAC | 5.25 | FIX | 38373YEY6 | August 2031 |  | N/A |
|  |  | KU | 300,000,000 | PAC | 5.50 | FIX | 38373YEZ3 | August 2031 |  | N/A |
|  |  | IK | 100,000,000 | NTL (PAC) | 6.00 | FIX/IO | 38373 YFA7 | August 2031 | \$ | 607,000 |
| Combination 17(7) |  |  |  |  |  |  |  |  |  |  |
| KV. | \$ 12,000,000 | NA | \$ 12,000,000 | SEQ/AD | 4.00\% | FIX | 38373YFB5 | November 2013 |  | N/A |
|  |  | NB | 12,000,000 | SEQ/AD | 4.50 | FIX | 38373 YFC3 | November 2013 |  | N/A |
|  |  | NC | 12,000,000 | SEQ/AD | 5.00 | FIX | 38373YFD1 | November 2013 |  | N/A |
|  |  | ND | 12,000,000 | SEQ/AD | 5.50 | FIX | 38373YFE9 | November 2013 |  | N/A |
|  |  | NI | 4,000,000 | NTL(SEQ/AD) | 6.00 | FIX/IO | 38373YFF6 | November 2013 | \$ | 417,000 |
| Combination 18(7) |  |  |  |  |  |  |  |  |  |  |
| KW | \$ 11,496,350 | NE | \$ 11,496,350 | SEQ/AD | 5.00\% | FIX | 38373YFG4 | February 2020 |  | N/A |
|  |  | NG | 11,496,350 | SEQ/AD | 5.50 | FIX | 38373YFH2 | February 2020 |  | N/A |
|  |  | IE | 1,916,058 | NTL(SEQ/AD) | 6.00 | FIX/IO | 38373YFJ 8 | February 2020 | \$ | 267,000 |
| Combination 19 |  |  |  |  |  |  |  |  |  |  |
| KV... | \$ 12,000,000 | NH | \$ 23,496,350 | SEQ/AD | 6.00\% | FIX | $38373 Y \mathrm{FN} 9$ | February 2020 |  | N/A |
| KW | 11,496,350 |  |  |  |  |  |  |  |  |  |
| Combination 20 |  |  |  |  |  |  |  |  |  |  |
| KV......... | \$ 12,000,000 | NJ | \$ 36,496,350 | SEQ | 6.00\% | FIX | 38373YFP 4 | November 2032 |  | N/A |
| KW ........ | 11,496,350 |  |  |  |  |  |  |  |  |  |
| KZ......... | 13,000,000 |  |  |  |  |  |  |  |  |  |

(1) All exchanges must comply with minimum denominations restrictions
(2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notional Balance) of that Class, assuming it were to be issued on the Closing Date.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(5) Each Class will be issued in the denominations specified. If no denomination is indicated for a Class, that Class will be issued in
Securities" in this Supplement
subcombinations.
of

# Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 2003-046


#### Abstract

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.


See "Risk Factors" beginning on page $\mathbf{S}-11$ which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.
The Ginnie Mae Guaranty
Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

## The Trust and its Assets

The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be June 30, 2003.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Citigroup

## Utendahl Capital Partners, L.P.

The date of this Offering Circular Supplement is June 23, 2003.

## Ginnie Mae REMIC Trust 2003-046

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | Original Principal Balance(2) | Interest Rate | Principal Type (3) | Interest Type(3) | Final Distribution Date(4) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| DA (1) | \$28,840,000 | 5.5\% | PAC I | FIX | April 2023 | 38373QZ79 |
| DB (1) | 51,967,000 | 5.5 | PAC I | FIX | February 2027 | 38373QZ87 |
| DC (1) | 42,811,000 | 5.5 | PAC I | FIX | September 2029 | 38373QZ95 |
| DE (1) | 17,428,000 | 5.5 | PAC I | FIX | August 2030 | 38373 Q 2 A 8 |
| DG (1) | 49,490,000 | 5.5 | PAC I | FIX | December 2032 | 38373Q2 26 |
| HA. | 6,343,875 | 4.5 | PAC I | FIX | June 2033 | 38373 Q2 24 |
| HB. | 6,343,875 | 6.5 | PAC I | FIX | June 2033 | 38373 Q2D 2 |
| YA (1) | 52,678,500 | 5.5 | NSJ/PAC II/AD | FIX | April 2033 | 38373 Q 2 E 0 |
| ZB | 44,097,750 | 5.5 | NSJ/SUP | FIX/Z | June 2033 | 38373Q2F7 |
| Security Group 2 |  |  |  |  |  |  |
| TA | 3,075,000 | 5.5 | SC/SEQ | FIX | March 2033 | 38373Q2G5 |
| TB | 3,700,000 | 4.5 | SC/SEQ | FIX | March 2033 | 38373 Q2H3 |
| TC | 3,700,000 | 6.5 | SC/SEQ | FIX | March 2033 | 38373 Q 2 J 9 |
| Security Group 3 |  |  |  |  |  |  |
| MA | 3,509,334 | 5.0 | SC/SEQ | FIX | May 2033 | 38373 Q 2 K 6 |
| MB | 3,509,333 | 5.0 | SC/SEQ | FIX | May 2033 | 38373 Q 2 L 4 |
| MC | 3,509,333 | 5.0 | SC/SEQ | FIX | May 2033 | 38373Q2M2 |
| MD | 2,632,125 | 5.0 | SC/STP | FIX | May 2033 | 38373 Q2N0 |
| ME | 2,632,125 | 6.0 | SC/STP | FIX | May 2033 | 38373 Q 2 P5 |
| MG | 5,264,000 | 6.5 | SC/STP | FIX | May 2033 | 38373 Q2Q3 |
| Security Group 4 |  |  |  |  |  |  |
| FA | 17,333,334 | (5) | SC/PT | FLT | April 2032 | 38373 Q 2 R 1 |
| SA | 2,666,666 | (5) | SC/PT | INV | April 2032 | 38373Q 2 S 9 |
| Security Group 5 |  |  |  |  |  |  |
| FB | 50,000,000 | (5) | PT | FLT | June 2033 | 38373Q2T7 |
| SB | 50,000,000 | (5) | NTL (PT) | INV/IO | June 2033 | 38373 Q2U4 |
| Security Group 6 |  |  |  |  |  |  |
| FD | 5,773,162 | (5) | PT | FLT | June 2033 | 38373Q2V2 |
| SD | 5,773,162 | (5) | NTL (PT) | INV/IO | June 2033 | 38373Q2W0 |
| Security Group 7 |  |  |  |  |  |  |
| AB | 1,780,000 | 5.0 | SUP | FIX | March 2032 | 38373Q2X8 |
| AC | 3,330,000 | 5.0 | SUP | FIX | September 2032 | 38373 Q2Y6 |
| AD . | 13,520,000 | 5.0 | SUP | FIX | June 2033 | 38373 Q 2 Z3 |
| AG . | 20,500,000 | 5.0 | SUP | FIX | September 2032 | 38373 Q 3A7 |
| AH. | 5,045,000 | 4.0 | SUP | FIX | December 2031 | 38373Q3B5 |
| AK | 5,045,000 | 6.0 | SUP | FIX | December 2031 | 38373Q3C3 |
| EP (1) | 15,790,000 | 0.0 | PAC I | PO | June 2033 | 38373Q3D1 |
| JA. | 9,500,000 | 5.0 | PAC II | FIX | January 2033 | 38373Q3E9 |
| JB | 4,000,000 | 5.0 | PAC II | FIX | April 2033 | 38373Q3F6 |
| JC | 3,440,000 | 5.0 | PAC II | FIX | June 2033 | 38373Q3G4 |
| PA | 100,000,000 | 5.0 | PAC I | FIX | May 2029 | 38373Q3H2 |
| PB | 47,350,000 | 5.0 | PAC I | FIX | July 2032 | 38373 Q 3 J 8 |
| PI (1) | 15,790,000 | 5.0 | NTL (PAC I) | FIX/IO | June 2033 | 38373Q3K5 |
| Security Group 8 |  |  |  |  |  |  |
| WA (1) | 30,000,000 | 5.5 | PAC/AD | FIX | April 2033 | 38373Q3 L 3 |
| WZ | 126,800 | 5.5 | PAC/AD | FIX/Z | June 2033 | 38373Q3M1 |
| ZW | 7,912,088 | 5.5 | SUP | FIX/Z | June 2033 | 38373Q3N9 |
| Security Group 9 |  |  |  |  |  |  |
| EN (1) | 182,400,000 | 0.0 | PAC/AD | PO | December 2032 | 38373Q3P4 |
| FN (1) | 121,600,000 | (5) | NTL (PAC/AD) | FLT/IO | December 2032 | 38373Q3Q2 |
| NB. | 10,173,000 | 5.0 | PAC/AD | FIX | June 2033 | 38373Q3R0 |
| NC | 8,427,000 | 5.0 | SUP | FIX | June 2032 | 38373Q 3 S 8 |
| ND | 19,000,000 | 5.0 | SUP | FIX | June 2033 | 38373Q3T6 |
| SN (1) | 121,600,000 | (5) | NTL (PAC/AD) | INV/IO | December 2032 | 38373Q3U3 |
| ZN. | 30,000,000 | 5.0 | TAC | FIX/Z | June 2033 | 38373Q3V1 |
| Security Group 10 |  |  |  |  |  |  |
| FC (1) | 16,879,200 | (5) | SC/PT | FLT | June 2032 | 38373Q3W9 |
| UA (1) | 2,596,800 | (5) | SC/PT | INV | June 2032 | 38373Q3X7 |
| UB (1) | 12,334,800 | (5) | NTL (SC/PT) | INV/IO | June 2032 | 38373Q3Y5 |
| Residual |  |  |  |  |  |  |
| RR.... | 0 | 0.0 | NPR | NPR | June 2033 | 38373Q3Z2 |

[^6]
## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: June 30, 2003
Distribution Dates: For the Group 5, 6 and 8 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in July 2003. For the Group 4 and 10 Securities, the 17 th day of each month or, if the 17 th day is not a Business Day, the first Business Day following the 17th day of each month commencing in July 2003. For the Group 1, 2, 3, 7 and 9 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in July 2003.

Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type |  | Original Term <br> Co Maturity <br> (in years) |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Ginnie Mae II |  |  <br>  <br> 2 | Underlying Certificate |

${ }^{(1)}$ Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.
Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 5, 6, 7, 8 and 9 Trust Assets ${ }^{1}$ :

| Principal Balance | Weighted Average Remaining Term to Maturity (in months) |  | Weighted Average Loan Age (in months) | Weighted Average Mortgage Rate ${ }^{3}$ |
| :---: | :---: | :---: | :---: | :---: |
| Group 1 Trust Assets |  |  |  |  |
| \$300,000,000 |  | 357 | 2 | 6.3\% |
| Group 5 Trust Assets |  |  |  |  |
| \$ 50,000,000 |  | 324 | 32 | 8.0\% |
| Group 6 Trust Assets |  |  |  |  |
| \$ 5,773,162 |  | 146 | 205 | 10.0\% |
| Group 7 Trust Assets |  |  |  |  |
| \$229,300,000 |  | 357 | 2 | 5.8\% |
| Group 8 Trust Assets |  |  |  |  |
| \$ 38,038,888 |  | 356 | 2 | 6.0\% |
| Group 9 Trust Assets |  |  |  |  |
| \$250,000,000 |  | 358 | 1 | 5.8\% |

[^7]The actual remaining terms to maturity, loan ages and, in the case of the Group 1, 7 and 9 Trust Assets, Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 5, 6, 7, 8 and 9 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trusts.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Non-Sticky Jump, Interest Only or Inverse Floating Rate Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | Initial <br> Interest <br> Rate(2) | $\underset{\text { Rate }}{\text { Minimum }}$ | $\begin{aligned} & \text { Maximum } \\ & \text { Rate } \end{aligned}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.35\% | 1.6500\% | 0.35\% | 7.5000\% | 0 | 0.00\% |
| FB | LIBOR + 0.22\% | 1.5200\% | 0.22\% | 7.5000\% | 0 | 0.00\% |
| FC | LIBOR + 0.35\% | 1.4900\% | 0.35\% | 7.5000\% | 0 | 0.00\% |
| FD | LIBOR + 0.40\% | 1.7000\% | 0.40\% | 7.5000\% | 0 | 0.00\% |
| FN | LIBOR + 0.30\% | 1.5500\% | 0.30\% | 7.5000\% | 0 | 0.00\% |
| NF | LIBOR + 0.30\% | 1.5500\% | 0.30\% | 7.5000\% | 0 | 0.00\% |
| SA | 46.475\% - (LIBOR $\times 6.50$ ) | 38.0250\% | 0.00\% | 46.4750\% | 0 | 7.15\% |
| SB | 7.28\% - LIBOR | 5.9800\% | 0.00\% | 7.2800\% | 0 | 7.28\% |
| SC | 46.475\% - (LIBOR $\times 6.50$ ) | 39.0650\% | 0.00\% | 46.4750\% | 0 | 7.15\% |
| SD | 9.10\% - LIBOR | 7.8000\% | 2.00\% | 9.1000\% | 0 | 7.10\% |
| SN | 7.20\% - LIBOR | 5.9500\% | 0.00\% | 7.2000\% | 0 | 7.20\% |
| UA | 12.5125\% - (LIBOR $\times 1.75$ ) | 10.5175\% | 0.00\% | 12.5125\% | 0 | 7.15\% |
| UB | 7.15\% - LIBOR | 6.0100\% | 0.00\% | 7.1500\% | 0 | 7.15\% |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

The Group 1 Principal Distribution Amount and beginning in step 3, the ZB Accrual Amount will be allocated in the following order of priority:

1. To the PAC I Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, in the following order of priority:
a. Sequentially, to DA, DB, DC, DE and DG, in that order, until retired
b. Concurrently, to HA and HB, pro rata, until retired
2. Up to the ZB Jump Percentage of the remaining Principal Distribution Amount to ZB , until its balance (before giving effect to any increase on that Distribution Date) has been reduced to $\$ 4,125,000$
3. To YA, until reduced to its Scheduled Principal Balance for that Distribution Date
4. To ZB , until its balance (after giving effect to any increase or reduction on that Distribution Date) has been reduced to $\$ 4,125,000$
5. To YA, without regard to its Scheduled Principal Balances, until retired
6. To ZB , until retired
7. To the PAC I Classes, in the manner and order of priority described in Step 1, but without regard to their Aggregate Scheduled Principal Balances, until retired

- For any Distribution Date, the "ZB Jump Percentage" means the percentage (not greater than $99 \%$ ) derived by dividing (a) the excess, if any, of the $301 \%$ PSA Balance over the remaining Principal Balance of the Group 1 Trust Assets, after giving effect to their reduction on that Distribution Date by (b) the excess of the $301 \%$ PSA Balance over the $434 \%$ PSA Balance


## SECURITY GROUP 2

The Group 2 Principal Distribution Amount will be allocated in the following order of priority:

1. To TA, until retired
2. Concurrently, to TB and TC, pro rata, until retired

## SECURITY GROUP 3

The Group 3 Principal Distribution Amount will be allocated, concurrently, as follows:

1. $49.9994063520 \%$, sequentially, to MA, MB and MC, in that order, until retired
2. $50.0005936480 \%$, concurrently, to MD, ME and MG, pro rata, until retired

## SECURITY GROUP 4

The Group 4 Principal Distribution Amount will be allocated, concurrently, to FA and SA, pro rata, until retired

## SECURITY GROUP 5

The Group 5 Principal Distribution Amount will be allocated to FB, until retired

## SECURITY GROUP 6

The Group 6 Principal Distribution Amount will be allocated to FD, until retired

## SECURITY GROUP 7

The Group 7 Principal Distribution Amount will be allocated in the following order of priority:

1. Sequentially, to PA, PB and EP, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Sequentially, to JA, JB and JC, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
3. Concurrently:
a. $57.4229691877 \%$ to AG, until retired
b. $42.5770308123 \%$ in the following order of priority:
i. Concurrently, to AH and AK, pro rata, until retired
ii. Sequentially, to AB and AC , in that order, until retired
4. To AD , until retired
5. Sequentially, to JA, JB and JC, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired
6. Sequentially, to $\mathrm{PA}, \mathrm{PB}$ and EP , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 8

The Group 8 Principal Distribution Amount and the WZ and ZW Accrual Amounts will be allocated as follows:

- The WZ Accrual Amount, sequentially, to WA and WZ, in that order, until retired
- The Group 8 Principal Distribution Amount and the ZW Accrual Amount in the following order of priority:

1. Sequentially, to WA and WZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZW, until retired
3. Sequentially, to WA and WZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 9

A percentage of the Group 9 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 9 Principal Distribution Amount (the "Group 9 Adjusted Principal Distribution Amount") and the ZN Accrual Amount will be allocated in the following order of priority:

1. Sequentially, to EN and NB, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZN, until reduced to its Scheduled Principal Balance for that Distribution Date
3. Sequentially, to NC and ND, in that order, until retired
4. To ZN, without regard to its Scheduled Principal Balances, until retired
5. Sequentially, to EN and NB, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 10

The Group 10 Principal Distribution Amount will be allocated, concurrently, to FC and UA, pro rata, until retired

Scheduled Principal Balances: The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges or Rate:

```
Class
DA, DB, DC, DE, DG, HA and HB (in the aggregate) .......
```




```
JA, JB and JC (in the aggregate) ................................... 120% PSA through 200% PSA
```



```
EN and NB (in the aggregate)......................................... 290% PSA through 530% PSA
```



```
\({ }^{(1)}\) Class YA was structured using an assumed Structuring Range of \(198 \%\) PSA through \(300 \%\) PSA, but its initial Effective Range is \(180 \%\) PSA through \(288 \%\) PSA.
```

Jump Balances: The $301 \%$ PSA and $434 \%$ PSA Balances (together, the "Jump Balances") are included in Schedule III to this Supplement. The Jump Balances were calculated using a Structuring Rate of $301 \%$ PSA or $434 \%$ PSA, as applicable, and the assumed characteristics of the related Trust MBS to be delivered on the Closing Date. The actual characteristics of the related Trust MBS may vary from the characteristics assumed in preparing the Jump Balances included in Schedule III to this Supplement and, if so, the Sponsor may recalculate such balances. The Sponsor will make them available on Ginnie Mae's Multiclass Securities e-Access located on Ginnie Mae's website ("e-Access") shortly after the Closing Date.
Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| FN | \$121,600,000 | 66.6666666667\% of EN (PAC/AD Class) |
| IA. | 10,487,272 | $36.3636363636 \%$ of DA (PAC I Class) |
| IB | 18,897,090 | $36.3636363636 \%$ of DB (PAC I Class) |
| IC | 44,952,000 | $36.3636363636 \%$ of DA, DB and DC (in the aggregate) (PAC I Classes) |
| ID | 15,567,636 | $36.3636363636 \%$ of DC (PAC I Class) |
| IG | 3,168,727 | 18.1818181818\% of DE (PAC I Class) |
| IH | 49,490,000 | $100 \%$ of DG (PAC I Class) |
| IY. | 52,678,500 | 100\% of YA (NSJ/PAC II/AD Class) |
| NI | 182,400,000 | 100\% of EN (PAC/AD Class) |
| PI. | 15,790,000 | 100\% of EP (PAC I Class) |
| SB | 50,000,000 | 100\% of FB (PT Class) |
| SD | 5,773,162 | 100\% of FD (PT Class) |
| SN | 121,600,000 | 66.6666666667\% of EN (PAC/AD Class) |
| UB | 12,334,800 | 475\% of UA (SC/PT Class) |
| WI | 30,000,000 | 100\% of WA (PAC/AD Class) |

Tax Status: Double REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Class $R R$ is a Residual Class and includes the Residual Interest of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.
Schedule I

| Available Combinations(1) |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| REmIC Securities |  | MX Securities |  |  |  |  |  |  |
| Class | Original Class Principal Balance or Class Notional Balance | $\begin{gathered} \text { Related } \\ \text { MX Class } \\ \hline \end{gathered}$ | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type (3) | Interest | $\begin{array}{r} \text { Interest } \\ \text { Type(3) } \\ \hline \end{array}$ | $\underset{\text { Number }}{\text { CUSIP }}$ | Final Distribution Date(4) |
| Security Group 1 |  |  |  |  |  |  |  |  |
| Combination 1 |  |  |  |  |  |  |  |  |
| DA | \$ 28,840,000 | CA | \$123,618,000 | PAC I | 5.500\% | FIX | 38373Q4A6 | September 2029 |
| DB | 51,967,000 |  |  |  |  |  |  |  |
| DC | 42,811,000 |  |  |  |  |  |  |  |
| Combination 2 (7) |  |  |  |  |  |  |  |  |
| CA(5) | \$123,618,000 | CB | \$123,618,000 | PAC I | 3.500\% | FIX | 38373Q4B4 | September 2029 |
|  |  | CD | 123,618,000 | PAC I | 4.000 | FIX | 38373Q4C2 | September 2029 |
|  |  | CE | 123,618,000 | PAC I | 4.500 | FIX | 38373Q4D0 | September 2029 |
|  |  | CG | 123,618,000 | PAC I | 5.000 | FIX | 38373Q4E8 | September 2029 |
|  |  | IC | 44,952,000 | NTL(PAC I) | 5.500 | FIX/IO | 38373Q4F5 | September 2029 |
| Combination 3(7) |  |  |  |  |  |  |  |  |
| DA | \$ 28,840,000 | DJ | \$ 28,840,000 | PAC I | 3.500\% | FIX | 38373Q4G3 | April 2023 |
|  |  | DK | 28,840,000 | PAC I | 4.000 | FIX | 38373Q4H1 | April 2023 |
|  |  | DL | 28,840,000 | PAC I | 4.500 | FIX | 38373Q 4J 7 | April 2023 |
|  |  | DM | 28,840,000 | PAC I | 5.000 | FIX | 38373Q4K4 | April 2023 |
|  |  | IA | 10,487,272 | NTL(PAC I) | 5.500 | FIX/IO | 38373Q4L2 | April 2023 |
| Combination 4(7) |  |  |  |  |  |  |  |  |
| DB | \$ 51,967,000 | DN | \$ 51,967,000 | PAC I | 3.500\% | FIX | 38373Q4M0 | February 2027 |
|  |  | DP | 51,967,000 | PAC I | 4.000 | FIX | 38373Q4N8 | February 2027 |
|  |  | DT | 51,967,000 | PAC I | 4.500 | FIX | 38373Q4P3 | February 2027 |
|  |  | DU | 51,967,000 | PAC I | 5.000 | FIX | 38373Q4Q1 | February 2027 |
|  |  | IB | 18,897,090 | NTL (PAC I) | 5.500 | FIX/IO | 38373Q4R9 | February 2027 |
| Combination 5(7) |  |  |  |  |  |  |  |  |
| DC | \$ 42,811,000 | DV | \$ 42,811,000 | PAC I | 3.500\% | FIX | 38373Q4S 7 | September 2029 |
|  |  | DW | 42,811,000 | PAC I | 4.000 | FIX | 38373Q4T5 | September 2029 |
|  |  | DX | 42,811,000 | PAC I | 4.500 | FIX | 38373Q4U2 | September 2029 |
|  |  | DY | 42,811,000 | PAC I | 5.000 | FIX | 38373Q4V0 | September 2029 |
|  |  | ID | 15,567,636 | NTL(PAC I) | 5.500 | FIX/IO | 38373Q4W8 | September 2029 |


| Principal Type(3) | Interest Rate | Interest Type(3) | $\underset{\substack{\text { CuSIP } \\ \text { Number }}}{\substack{ \\\hline}}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| PAC I | 4.500\% | FIX | 38373Q4X6 | August 2030 |
| PAC I | 5.000 | FIX | 38373Q4Y4 | August 2030 |
| NTL(PAC I) | 5.500 | FIX/IO | 38373Q4Z1 | August 2030 |
| PAC I | 4.500\% | FIX | 38373Q5A5 | December 2032 |
| PAC I | 5.000 | FIX | 38373Q5B3 | December 2032 |
| PAC I | 4.000 | FIX | 38373Q5C1 | December 2032 |
| PAC I | 6.000 | FIX | 38373Q5D9 | December 2032 |
| PAC I | 7.000 | FIX | 38373 Q 5 E 7 | December 2032 |
| PAC I | 8.000 | FIX | 38373Q5F4 | December 2032 |
| PAC I | 0.000 | PO | 38373Q5G2 | December 2032 |
| NTL(PAC I) | 5.500 | FIX/IO | 38373Q5H0 | December 2032 |
| NTL(NSJ/PAC II/AD) | 5.500\% | FIX/IO | 38373Q 5 J 6 | April 2033 |
| NSJ/PAC II/AD | 3.500 | FIX | 38373Q5K3 | April 2033 |
| NSJ/PAC II/AD | 3.750 | FIX | 38373Q5L1 | April 2033 |
| NSJ/PAC II/AD | 4.000 | FIX | 38373Q5M9 | April 2033 |
| NSJ/PAC II/AD | 4.250 | FIX | 38373 Q 5 N 7 | April 2033 |
| NSJ/PAC II/AD | 4.500 | FIX | 38373Q5P2 | April 2033 |
| NSJ/PAC II/AD | 4.750 | FIX | 38373Q5Q0 | April 2033 |
| NSJ/PAC II/AD | 5.000 | FIX | 38373Q5R8 | April 2033 |
| NSJ/PAC II/AD | 5.250 | FIX | 38373Q5S6 | April 2033 |
| NSJ/PAC II/AD | 6.000 | FIX | 38373Q5T4 | April 2033 |
| NSJ/PAC II/AD | 6.500 | FIX | 38373Q5U1 | April 2033 |
| NSJ/PAC II/AD | 7.000 | FIX | 38373 Q 5 V 9 | April 2033 |
| NSJ/PAC II/AD | 0.000 | PO | 38373Q5W7 | April 2033 |
| NSJ/PAC II/AD | 7.500 | FIX | 38373Q5X5 | April 2033 |
| NSJ/PAC II/AD | 8.000 | FIX | 38373 Q 5 Y 3 | April 2033 |
| PAC I | 5.000\% | FIX | 38373 Q 5 Z0 | June 2033 |


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| Related MX Class | Maximum <br> Original Class <br> Principal Balance <br> or Class Notional <br> Balance(2) | Principal Type(3) | Interest Rate | Interest Type(3) |  | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| NH | \$182,400,000 | PAC/AD | 3.500\% | FIX | 38373Q6X4 | December 2032 |
| NJ | \$182,400,000 | PAC/AD | 3.750\% | FIX | 38373Q6Y2 | December 2032 |
| NK | \$182,400,000 | PAC/AD | 4.000\% | FIX | 38373Q6Z9 | December 2032 |
| NL | \$182,400,000 | PAC/AD | 4.250\% | FIX | $38373 Q 7 A 3$ | December 2032 |
| NM | \$182,400,000 | PAC/AD | 4.500\% | FIX | 38373Q7B1 | December 2032 |
| NT | \$182,400,000 | PAC/AD | 4.750\% | FIX | 38373Q7C9 | December 2032 |
| NU | \$152,000,000 | PAC/AD | 6.000\% | FIX | 38373Q7D7 | December 2032 |
| NV | \$130,285,714 | PAC/AD | 7.000\% | FIX | 38373Q7E5 | December 2032 |
| NX | \$114,000,000 | PAC/AD | 8.000\% | FIX | 38373 Q 7 F 2 | December 2032 |


REMIC Securities

| Remic Secur |  |  |  |  | rities |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance Notional Bas otional Balance | $\begin{gathered} \text { Related } \\ \text { MX Class } \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \begin{array}{c} \text { Original Class } \\ \text { Principal Batance } \\ \text { or Class Notional } \\ \text { Balance(2) } \end{array} \\ \hline \end{gathered}$ | $\begin{aligned} & \begin{array}{l} \text { Principal } \\ \text { Type(3) } \end{array} \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP }_{\text {Number }} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| Combination 24 |  |  |  |  |  |  |  |  |
| FN | \$121,600,000 | NI | \$182,400,000 | NTL(PAC/AD) | 5.000\% | FIX/IO | 38373Q7G0 | December 2032 |
| SN | 121,600,000 |  |  |  |  |  |  |  |
| Security Group 10 Combination 25 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| FC | \$ 16,879,200 | PG | \$ 19,476,000 | SC/PT | 6.500\% | FIX | 38373Q7H8 | June 2032 |
| UA | 2,596,800 |  |  |  |  |  |  |  |
| UB | 12,334,800 |  |  |  |  |  |  |  |
| Combination 26 |  |  |  |  |  |  |  |  |
| UA | \$ 2,596,800 | SC | \$ 2,596,800 | SC/PT | (6) | INV | 38373 Q 7 J 4 | June 2032 |
| UB | 12,334,800 |  |  |  |  |  |  |  |
| (1) All exchanges must comply with minimum denominations restrictions. |  |  |  |  |  |  |  |  |
| (2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notion Balance) of that Class, assuming it were to be issued on the Closing Date. |  |  |  |  |  |  |  |  |
| (3) As defined under "Class Types" in Appendix I to the Base Offering Circular. |  |  |  |  |  |  |  |  |
| (4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement. |  |  |  |  |  |  |  |  |
| (5) MX Class. |  |  |  |  |  |  |  |  |
| (6) The Interest Rate will be calculated as described under "Terms Sheet - Interest Rates" in this Supplement. |  |  |  |  |  |  |  |  |
| (7) In the case of Combinations 2, 3, 4, 5, 6, 7, 8 and 10 various subcombinations are permitted. See "Description of Securities - Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations. |  |  |  |  |  |  |  |  |

# Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 2003-028

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page S-8 which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.
The Ginnie Mae Guaranty
Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own Ginnie Mae Certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be April 30, 2003.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: April 30, 2003
Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in May 2003.

Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type | Certificate Rate | Original Term <br> To Maturity <br> (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II | $5.5 \%$ | 30 |
| 2 | Ginnie Mae II | 5.5 | 30 |

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

## Assumed Characteristics of the Mortgage Loans Underlying the Trust Assets ${ }^{1}$ :

| Principal Balance ${ }^{2}$ | Weighted Average Remaining Term to Maturity (in months) | Weighted Average <br> Loan Age (in months) | Weighted <br> Average Mortgage Rate |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets |  |  |  |
| \$1,000,000,000 | 357 | 2 | 6.30\% |
| Group 2 Trust Assets |  |  |  |
| \$ 20,000,000 | 358 | 1 | 6.25\% |
| ${ }^{1}$ As of April 1, 2003. |  |  |  |
| ${ }^{2}$ Does not include Group 2 Trust Assets that will be added to pay the Trustee Fee. |  |  |  |
| ${ }^{3}$ The Mortgage ranging from | ns underlying the to $1.5 \%$ per annu | Assets may bea ove the related | terest at rates ificate Rate. |

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the
related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only or Non-Sticky Jump Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

Allocation of Principal: On each Distribution Date, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

The Group 1 Principal Distribution Amount and the LZ, ZA, ZB and ZJ Accrual Amounts will be allocated as follows:

- The LZ Accrual Amount, sequentially, to LV, LW and LZ, in that order, until retired
- The Group 1 Principal Distribution Amount and, beginning in step 2.a., the ZA Accrual Amount, and, beginning in step 2.b., the ZB Accrual Amount, in the following order of priority:

1. To the PAC I Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, concurrently, as follows:
a. $49.9973952357 \%$, sequentially, to LA, LB, LC, LV, LW and LZ, in that order, until retired
b. $50.0026047643 \%$, sequentially, to LD, LN, LG, LH, LK and EL, in that order, until retired
2. Concurrently:
a. $50.0063845280 \%$ in the following order of priority:
i. Up to the ZA Jump Percentage of the sum of the remaining Group 1 Principal Distribution Amount and the ZA Accrual Amount to ZA, until retired
ii. To Segment 1, until reduced to its Scheduled Principal Balance for that Distribution Date
iii. To ZA, until retired
iv. To Segment 1, without regard to its Scheduled Principal Balances, until retired
b. $49.9936154720 \%$ in the following order of priority:
i. Up to the ZB Jump Percentage of the sum of the remaining Group 1 Principal Distribution Amount and the ZB Accrual Amount to ZB, until retired
ii. To Segment 2, until reduced to its Scheduled Principal Balance for that Distribution Date
iii. To ZB, until retired
iv. To Segment 2, without regard to its Scheduled Principal Balances, until retired
3. To the PAC I Classes, without regard to their Aggregate Scheduled Principal Balances, as follows:
a. $49.9973952357 \%$, sequentially, to LA, LB, LC, LW, LV and LZ, in that order, until retired
b. $50.0026047643 \%$, sequentially, to LD, LN, LG, LH, LK and EL, in that order, until retired

- On each Distribution Date, payments allocated to Segment 1 and Segment 2 and the ZJ Accrual Amount will be aggregated and distributed as follows:

1. To JV, until reduced to its Scheduled Principal Balance for that Distribution Date
2. To ZJ, until its balance has been reduced to $\$ 8,000,000$
3. To JV, without regard to its Scheduled Principal Balance, until retired
4. To ZJ, until retired

- For any Distribution Date, the "ZA Jump Percentage" means the percentage (not greater than $99 \%$ ) derived by dividing (a) the excess, if any, of the 301\% PSA Balance over the remaining Principal Balance of the Group 1 Trust Assets, after giving effect to their reduction on that Distribution Date by (b) the excess of the 301\% PSA Balance over the $375 \%$ PSA Balance
- For any Distribution Date, the "ZB Jump Percentage" means the percentage (not greater than $99 \%$ ) derived by dividing (a) the excess, if any, of the $301 \%$ PSA Balance over the remaining Principal Balance of the Group 1 Trust Assets, after giving effect to their reduction on that Distribution Date by (b) the excess of the 301\% PSA Balance over the $434 \%$ PSA Balance


## Security Group 2

A percentage of the Group 2 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") will be allocated, sequentially, to TA, TB, TC, TD, TE, TG and TH , in that order, until retired

Scheduled Principal Balances: The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges:

Classes
EL, LA, LB, LC, LD, LG, LH, LK, LN, LV, LW and LZ
(in the aggregate)
Segment 1
Segment 2
JV*.

* No Effective Range.

Jump Balances: The 301\% PSA, 375\% PSA and 434\% PSA Balances (the "Jump Balances") are included in Schedule III to this Supplement. The Jump Balances were calculated using the

Structuring Rates of $301 \%$ PSA, $375 \%$ PSA and $434 \%$ PSA and the assumed characteristics of the related Trust MBS to be delivered on the Closing Date. The actual characteristics of the related Trust MBS may vary from the characteristics assumed in preparing the Jump Balances included in Schedule III to this Supplement and, if so, the Sponsor may recalculate such balances. The Sponsor will make them available on Ginnie Mae's Multiclass e-Access located on Ginnie Mae's website ("e-Access") shortly after the Closing Date.

Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| IA | \$ 8,000,000 | 18.1818181818\% of LA (PAC I Class) |
| IC | \$ 40,909,090 | $27.2727272727 \%$ of LD and LN (PAC I Classes) |
| ID | \$ 17,727,272 | $27.2727272727 \%$ of LD (PAC I Class) |
| IE | \$228,518,181 | 86.3636363636\% of LB and LC (PAC I Classes) |
| IG | \$ 28,886,363 | $22.7272727273 \%$ of LG (PAC I Class) |
| IH | \$ 7,054,545 | 18.1818181818\% of LH (PAC I Class) |
| IJ | \$113,200,000 | 100\% of JV (NSJ / PAC II Class) |
| IN | \$ 23,181,818 | $27.2727272727 \%$ of LN (PAC I Class) |
| IV | \$ 1,818,181 | $18.1818181818 \%$ of LV (AD/PAC I Class) |
| LI | \$ 12,000,000 | $27.2727272727 \%$ of LA (PAC I Class) |
|  | 28,636,364 | $13.6363636364 \%$ of LB (PAC I Class) |
|  | 7,445,454 | $13.6363636364 \%$ of LC (PAC I Class) |
|  | 11,818,182 | 18.1818181818\% of LD (PAC I Class) |
|  | 5,777,273 | $4.5454545455 \%$ of LG (PAC I Class) |
|  | 15,454,545 | 18.1818181818\% of LN (PAC I Class) |
|  | \$ 81,131,818 |  |
| LJ | \$ 21,037,000 | 100\% of EL (PAC I Class) |

Segments: For purposes of calculating distributions of principal, certain Classes will be apportioned as Segments as follows:

| Segment | Principal <br> Type |
| :---: | :--- |
|  | NSJ/PAC II <br> 2 |
| NSJ/PAC II |  |


| Original <br> Principal <br> Balance |
| :---: |
| $\$ 67,600,000$ |
| $63,695,000$ |


| $\begin{array}{c}\text { Related } \\ \text { Classes }\end{array}$ |
| :---: |
| JV and ZJ |
| JV and ZJ |

Tax Status: Double REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Class $R R$ is a Residual Class and includes the Residual Interest of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.
Schedule I

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REMIC Securities


# Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 2003-076


#### Abstract

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.


See "Risk Factors" beginning on page $\mathrm{S}-10$ which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own Ginnie Mae Certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be September 30, 2003.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Ginnie Mae REMIC Trust 2003-076

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | Original Principal Balance(2) | Interest Rate | Principal Type(3) | Interest <br> Type(3) | Final Distribution Date(4) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| EH (1) | \$134,200,000 | PAC I/AD | 0.000\% | PO | February 2027 | 38374 CGD 7 |
| EW (1) | 221,125,000 | PAC I/AD | 0.000 | PO | February 2032 | 38374 CGE 5 |
| FI(1) | 107,360,000 | NTL (PAC I/AD) | (5) | FLT/IO | February 2027 | 38374 C G F 2 |
| GA | 93,100,000 | SUP | 6.000 | FIX | August 2032 | $38374 \mathrm{CGG0}$ |
| GB | 1,700,000 | SUP | 6.000 | FIX | August 2032 | 38374 CGH 8 |
| GC | 26,950,000 | SUP | 6.000 | FIX | June 2033 | 38374 C G J 4 |
| GD | 10,250,000 | SUP | 6.000 | FIX | September 2033 | 38374 CGK 1 |
| GE | 32,500,000 | SUP | 6.000 | FIX | December 2030 | 38374 C G L9 |
| GH | 17,500,000 | SUP | 6.000 | FIX | August 2032 | 38374 CGM 7 |
| GJ | 32,287,500 | SUP | 6.000 | FIX | September 2033 | 38374 CGN 5 |
| IW(1) | 176,900,000 | NTL (PAC I/AD) | (5) | FLT/IO | February 2032 | 38374 CGP 0 |
| PU(1) | 107,360,000 | NTL (PAC I/AD) | (5) | INV/IO | February 2027 | $38374 \mathrm{CGQ8}$ |
| PV(1) | 176,900,000 | NTL (PAC I/AD) | (5) | INV/IO | February 2032 | 38374 CGR 6 |
| PZ | 15,250,000 | PAC I | 6.000 | FIX/Z | September 2033 | 38374 C G S 4 |
| TZ | 31,500,000 | CPT/PAC II | 6.000 | FIX/Z | September 2033 | 38374 CGT 2 |
| VT(1) | 31,762,500 | PAC II/AD | 6.000 | FIX | September 2017 | 38374 CGU 9 |
| Security Group 2 |  |  |  |  |  |  |
| EG(1) | 37,440,000 | PAC I | 0.000 | PO | September 2033 | $38374 \mathrm{CGV7}$ |
| EK | 8,516,106 | SUP | 0.000 | PO | February 2033 | 38374 CGW 5 |
| FK | 63,450,000 | SUP/AD | (5) | FLT | October 2023 | 38374 CGX 3 |
| IG (1) | 37,440,000 | NTL (PAC I) | 5.500 | FIX/IO | September 2033 | 38374 CGY 1 |
| KA | 52,811,000 | SUP | 5.500 | FIX | September 2031 | 38374 C G Z 8 |
| KB | 11,250,000 | SUP | 5.500 | FIX | February 2032 | 38374 CHA 2 |
| KC | 25,880,000 | SUP | 5.500 | FIX | February 2033 | 38374 CHB 0 |
| KD | 20,988,000 | SUP | 5.500 | FIX | September 2033 | 38374 CHC 8 |
| KF | 6,233,333 | SUP | (5) | FLT/DLY | September 2033 | 38374 CHD 6 |
| KS | 1,821,429 | SUP | (5) | INV/DLY | September 2033 | 38374 CHE 4 |
| KT | 445,238 | SUP | (5) | INV/DLY | September 2033 | 38374 CHF 1 |
| KZ | 38,502,894 | SUP | 5.875 | FIX/Z | February 2033 | 38374 CHG 9 |
| SK | 22,950,000 | SUP/AD | (5) | INV | October 2023 | 38374 CHH 7 |
| TA (1) | 166,400,000 | PAC I | 5.500 | FIX | September 2026 | 38374 CHJ 3 |
| TB (1) | 99,200,000 | PAC I | 5.500 | FIX | January 2029 | 38374 CHK 0 |
| TD (1) | 98,560,000 | PAC I | 5.500 | FIX | January 2031 | 38374 CHL 8 |
| TE (1) | 120,320,000 | PAC I | 5.500 | FIX | February 2033 | $38374 \mathrm{CHM6}$ |
| UF | 9,013,714 | SUP | (5) | FLT/DLY | September 2033 | 38374 CHN 4 |
| US | 2,308,057 | SUP | (5) | INV/DLY | September 2033 | $38374 \mathrm{CHP9}$ |
| UT | 150,229 | SUP | (5) | INV/DLY | September 2033 | 38374 CHQ 7 |
| YA | 6,400,000 | PAC II | 5.500 | FIX | August 2033 | 38374 CHR 5 |
| YB | 4,160,000 | PAC II | 5.500 | FIX | September 2033 | 38374 CHS 3 |
| YC | 2,880,000 | PAC II | 5.500 | FIX | September 2033 | 38374 CHT 1 |
| YD | 320,000 | PAC II | 5.500 | FIX | September 2033 | $38374 \mathrm{CHU8}$ |
| Security Group 3 |  |  |  |  |  |  |
| BI (1) | 102,508,000 | NTL (PAC I/AD) | (5) | FLT/IO | December 2027 | 38374 CHV 6 |
| EB (1) | 128,135,000 | PAC I/AD | 0.000 | PO | December 2027 | 38374 CHW 4 |
| EC(1) | 133,365,000 | PAC I/AD | 0.000 | PO | September 2031 | 38374 CHX 2 |
| GF | 22,396,000 | SUP | (5) | FLT/DLY | May 2033 | 38374 CHY 0 |
| GK | 17,710,000 | SUP | 6.000 | FIX | May 2033 | $38374 \mathrm{CHZ7}$ |
| GN | 13,900,000 | SUP | 6.000 | FIX | September 2033 | 38374 C J A 0 |
| GS | 33,594,000 | SUP | (5) | INV/DLY | May 2033 | 38374 C J B 8 |
| IC (1) | 106,692,000 | NTL (PAC I/AD) | (5) | FLT/IO | September 2031 | 38374 C J C 6 |
| LV(1) | 65,900,000 | PAC II/AD | 6.000 | FIX | November 2016 | 38374 CJD 4 |
| LZ. | 15,000,000 | PAC I | 6.000 | FIX/Z | September 2033 | 38374 C J E 2 |
| QB (1) | 102,508,000 | NTL (PAC I/AD) | (5) | INV/IO | December 2027 | 38374 C J F 9 |
| QC(1) | 106,692,000 | NTL (PAC I/AD) | (5) | INV/IO | September 2031 | 38374 CJ G 7 |
| ZL. | 70,000,000 | CPT/PAC II | 6.000 | FIX/Z | September 2033 | 38374 CJH 5 |
| Residual 0 |  |  |  |  |  |  |
| RR | 0 | NPR | 0 | NPR | September 2033 | 38374 C J J 1 |

[^8]
## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: September 30, 2003
Distribution Date: The 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in October 2003.

## Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type | Certificate Rate | Original Term <br> To Maturity <br> (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II | $6.0 \%$ | 30 |
| 2 | Ginnie Mae II | 5.5 | 30 |
| 3 | Ginnie Mae II | 6.0 | 30 |

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

## Assumed Characteristics of the Mortgage Loans Underlying the Trust Assets ${ }^{\mathbf{1}}$ :

| Principal Balance ${ }^{2}$ | Weighted Average Remaining Term to Maturity (in months) | $\begin{gathered} \text { Weighted Average } \\ \text { Loan Age } \\ \text { (in months) } \\ \hline \end{gathered}$ | weighted Average Mortgage Rate $^{3}$ |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets |  |  |  |
| \$648,125,000 | 324 | 23 | 6.77\% |
| Group 2 Trust Assets |  |  |  |
| \$800,000,000 | 357 | 2 | 5.95\% |
| Group 3 Trust Assets |  |  |  |
| \$500,000,000 | 339 | 14 | 6.78\% |

${ }^{1}$ As of September 1, 2003.
${ }^{2}$ Does not include Group 2 Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Trust Assets may bear interest at rates ranging from $0.25 \%$ to $1.50 \%$ per annum above the related Certificate Rate.

The actual remaining terms to maturity, loan ages and Mortgage Rates of many of the Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the
"Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.
Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only or Inverse Floating Rate Class. See "Description of the Securities -Form of Securities" in this Supplement.
Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.
The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | $\begin{gathered} \text { Initial } \\ \text { Interest Rate(2) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Minimum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BI | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| EU | 7.20\% - LIBOR | 6.1000000\% | 0.0\% | 7.2000000\% | 0 | 7.20\% |
| EV | 7.20\% - LIBOR | 6.1000000\% | 0.0\% | 7.2000000\% | 0 | 7.20\% |
| FB | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| FC | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| FI | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| FK | LIBOR + 0.50\% | 1.6000000\% | 0.5\% | 8.0000000\% | 0 | 0.00\% |
| FW | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| FY | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| GF | LIBOR + 1.50\% | 2.6100000\% | 1.5\% | 7.5000000\% | 19 | 0.00\% |
| GS | 9.00\% - (LIBOR $\times 0.66666667$ ) | 8.2600000\% | 5.0\% | 9.0000000\% | 19 | 6.00\% |
| IC | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| IF | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| IW | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | $7.5000000 \%$ | 0 | 0.00\% |
| KF | LIBOR + 1.50\% | 2.6200000\% | 1.5\% | 7.5000000\% | 19 | 0.00\% |
| KS | 18.8222222\% - (LIBOR $\times 3.4222223$ ) | 14.9893333\% | 0.0\% | 18.8222222\% | 19 | 5.50\% |
| KT | 84.00\% - (LIBOR $\times 14.00$ ) | 7.0000000\% | 0.0\% | 7.0000000\% | 19 | 6.00\% |
| LF | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| LS | 7.20\% - LIBOR | 6.1000000\% | 0.0\% | 7.2000000\% | 0 | 7.20\% |
| PF | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| PS | 7.20\% - LIBOR | 6.1000000\% | 0.0\% | 7.2000000\% | 0 | 7.20\% |
| PU | 7.20\% - LIBOR | 6.1000000\% | 0.0\% | 7.2000000\% | 0 | 7.20\% |
| PV | 7.20\% - LIBOR | 6.1000000\% | 0.0\% | 7.2000000\% | 0 | 7.20\% |
| PW | LIBOR + 0.30\% | 1.4000000\% | 0.3\% | 7.5000000\% | 0 | 0.00\% |
| QB | 7.20\% - LIBOR | 6.1000000\% | 0.0\% | 7.2000000\% | 0 | 7.20\% |
| QC | 7.20\% - LIBOR | 6.1000000\% | 0.0\% | 7.2000000\% | 0 | 7.20\% |
| SB | 7.20\% - LIBOR | 6.1000000\% | 0.0\% | 7.2000000\% | 0 | 7.20\% |
| SC | 7.20\% - LIBOR | 6.1000000\% | 0.0\% | 7.2000000\% | 0 | 7.20\% |
| SK | $20.7352941 \%-($ LIBOR $\times 2.764706)$ | 17.6941176\% | 0.0\% | 20.7352941\% | 0 | 7.50\% |
| UF | LIBOR + 1.30\% | 2.4100000\% | 1.3\% | 7.0000000\% | 19 | 0.00\% |
| US | $21.4792899 \%$ - (LIBOR $\times 3.9053255$ ) | 17.1443790\% | 0.0\% | 21.4792899\% | 19 | 5.50\% |
| UT | $342.00 \%-($ LIBOR $\times 60.00)$ | 12.0000000\% | 0.0\% | 12.0000000\% | 19 | 5.70\% |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

The Group 1 Principal Distribution Amount and the PZ, TZ1 and TZ2 Accrual Amounts will be allocated as follows:

- The PZ Accrual Amount, sequentially, to EH, EW and PZ, in that order, until retired
- The TZ1 Accrual Amount, sequentially, to VT and TZ1, in that order, until retired
- The TZ2 Accrual Amount, sequentially, to VT, TZ1 and TZ2, in that order, until retired
- The Group 1 Principal Distribution Amount in the following order of priority:

1. Sequentially, to $\mathrm{EH}, \mathrm{EW}$ and PZ , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Concurrently:
a. $34.4262295082 \%$ in the following order of priority:
i. Sequentially, to VT, TZ1 and TZ2, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
ii. Sequentially, to GJ and TZ1, in that order, without regard to any Aggregate Scheduled Principal Balances, until retired
iii. Concurrently, to VT and TZ2, without regard to any Aggregate Scheduled Principal Balances, until VT is retired, as follows:
(a) $56.6479400749 \%$ to VT
(b) $43.3520599251 \%$ to TZ2
iv. To TZ2, without regard to any Aggregate Scheduled Principal Balances, until retired
b. $65.5737704918 \%$ in the following order of priority:
i. Concurrently:
(a) $65.0593990217 \%$ to GA, until retired
(b) $34.9406009783 \%$, sequentially, to GE and GH, in that order, until retired ii. Sequentially, to GB, GC and GD, in that order, until retired
3. Sequentially, to $\mathrm{EH}, \mathrm{EW}$ and PZ , in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 2

A percentage of the Group 2 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") and the KZ Accrual Amount will be allocated as follows:

- The KZ Accrual Amount in the following order of priority:

1. Concurrently, to FK and SK, pro rata, until retired
2. To KZ, until retired
Schedule I
REMIC Securities

| Class | Original Class <br> Principal Balance <br> or Class <br> Notional Balance |
| :--- | ---: |
| 10 | $\$ 107,360,000$ |
| EH | $176,900,000$ |
| EW | $107,360,000$ |
| FI | $176,900,000$ |
| IW | $\$ 134,200,000$ |
| Combination 11 | $221,125,000$ |
| EH | $71,573,334$ |
| EW | $117,933,334$ |
| FI | $71,573,334$ |
| IW | $117,933,334$ |
| PU |  |
| PV | $\$ 134,200,000$ |
| Combination 12 | $221,125,000$ |
| EH | $76,046,667$ |
| EW | $125,304,167$ |
| FI | $76,046,667$ |
| IW | $125,304,167$ |
| PU |  |
| PV | $\$ 134,200,000$ |
| Combination 13 | $221,125,000$ |
| EH | $80,520,000$ |
| EW | $132,675,000$ |
| FI | $80,520,000$ |
| IW | $132,675,000$ |
| PU | $\$ 134,200,000$ |
| PV | $221,125,000$ |
| Combination 14 | $84,993,334$ |
| EH | $140,045,834$ |
| EW | $140,993,334$ |
| FI |  |
| IW |  |
| PU |  |
| PV |  |
|  |  |


| Remic Securities |  | mx Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | Maximum <br> Original Class <br> Principal Batance <br> or Classs Notional <br> Balance(2) | Principal Type(3) | $\substack{\text { Interest } \\ \text { Rate }}$ | Interest Type(3) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| Combination 15 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | PE | \$355,325,000 | PAC I/AD | 5.00\% | FIX | 38374 CJ Z 5 | February 2032 |
| EW | 221,125,000 |  |  |  |  |  |  |  |
| FI | 89,466,667 |  |  |  |  |  |  |  |
| IW | 147,416,667 |  |  |  |  |  |  |  |
| PU | 89,466,667 |  |  |  |  |  |  |  |
| PV | 147,416,667 |  |  |  |  |  |  |  |
| Combination 16 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | PG | \$355,325,000 | PAC I/AD | 5.25\% | FIX | 38374 CKA 8 | February 2032 |
| EW | 221,125,000 |  |  |  |  |  |  |  |
| FI | 93,940,000 |  |  |  |  |  |  |  |
| IW | 154,787,500 |  |  |  |  |  |  |  |
| PU | 93,940,000 |  |  |  |  |  |  |  |
| PV | 154,787,500 |  |  |  |  |  |  |  |
| Combination 17 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | PH | \$355,325,000 | PAC I/AD | 5.50\% | FIX | $38374 \mathrm{CKB6}$ | February 2032 |
| EW | 221,125,000 |  |  |  |  |  |  |  |
| FI | 98,413,334 |  |  |  |  |  |  |  |
| IW | 162,158,334 |  |  |  |  |  |  |  |
| PU | 98,413,334 |  |  |  |  |  |  |  |
| PV | 162,158,334 |  |  |  |  |  |  |  |
| Combination 18 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | PJ | \$355,325,000 | PAC I/AD | 5.75\% | FIX | 38374 CKC 4 | February 2032 |
| EW | 221,125,000 |  |  |  |  |  |  |  |
| FI | 102,886,667 |  |  |  |  |  |  |  |
| IW | 169,529,167 |  |  |  |  |  |  |  |
| PU | 102,886,667 |  |  |  |  |  |  |  |
| PV | 169,529,167 |  |  |  |  |  |  |  |

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| REMIC Securities |  | mx Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | Maximum <br> Oritinial Class <br> Principal Balance <br> or Class Notional <br> Balance(2) | Principal Type(3) | Interest Rate | Interest Type(3) | $\begin{gathered} \text { CuSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| Combination 23 |  |  |  |  |  |  |  |  |
| EH | \$107,360,000 | PT | \$284,260,000 | PAC I/AD | 7.50\% | FIX | 38374 CKH 3 | February 2032 |
| EW | 176,900,000 |  |  |  |  |  |  |  |
| FI | 107,360,000 |  |  |  |  |  |  |  |
| IW | 176,900,000 |  |  |  |  |  |  |  |
| PU | 107,360,000 |  |  |  |  |  |  |  |
| PV | 176,900,000 |  |  |  |  |  |  |  |
| Combination 24 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HA | \$183,953,125 | PAC I/AD | 3.00\% | FIX | 38374 C K J 9 | February 2032 |
| EW | 49,753,125 |  |  |  |  |  |  |  |
| FI | 53,680,000 |  |  |  |  |  |  |  |
| IW | 19,901,250 |  |  |  |  |  |  |  |
| PU | 53,680,000 |  |  |  |  |  |  |  |
| PV | 19,901,250 |  |  |  |  |  |  |  |
| Combination 25 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HB | \$183,953,125 | PAC I/AD | 3.50\% | FIX | 38374 CKK 6 | February 2032 |
| EW | 49,753,125 |  |  |  |  |  |  |  |
| FI | 62,626,667 |  |  |  |  |  |  |  |
| IW | 23,218,125 |  |  |  |  |  |  |  |
| PU | 62,626,667 |  |  |  |  |  |  |  |
| PV | 23,218,125 |  |  |  |  |  |  |  |
| Combination 26 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HC | \$183,953,125 | PAC I/AD | 4.00\% | FIX | 38374 CKL 4 | February 2032 |
| EW | 49,753,125 |  |  |  |  |  |  |  |
| FI | 71,573,334 |  |  |  |  |  |  |  |
| IW | 26,535,000 |  |  |  |  |  |  |  |
| PU | 71,573,334 |  |  |  |  |  |  |  |
| PV | 26,535,000 |  |  |  |  |  |  |  |

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| REMIC Securities |  | mx Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class MX Class | Maximum <br> Original Class <br> Principal Batance <br> or Classs Notional <br> Balance(2) | Principal Type(3) | Interest Rate | Interest Type(3) | $\begin{gathered} \text { CusIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| Combination 27 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HD | \$183,953,125 | PAC I/AD | 4.50\% | FIX | 38374 CKM 2 | February 2032 |
| EW | 49,753,125 |  |  |  |  |  |  |  |
| FI | 80,520,000 |  |  |  |  |  |  |  |
| IW | 29,851,875 |  |  |  |  |  |  |  |
| PU | 80,520,000 |  |  |  |  |  |  |  |
| PV | 29,851,875 |  |  |  |  |  |  |  |
| Combination 28 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HE | \$183,953,125 | PAC I/AD | 5.00\% | FIX | 38374 CKN 0 | February 2032 |
| EW | 49,753,125 |  |  |  |  |  |  |  |
| FI | 89,466,667 |  |  |  |  |  |  |  |
| IW | 33,168,750 |  |  |  |  |  |  |  |
| PU | 89,466,667 |  |  |  |  |  |  |  |
| PV | 33,168,750 |  |  |  |  |  |  |  |
| Combination 29 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HG | \$183,953,125 | PAC I/AD | 5.50\% | FIX | 38374 CKP 5 | February 2032 |
| EW | 49,753,125 |  |  |  |  |  |  |  |
| FI | 98,413,334 |  |  |  |  |  |  |  |
| IW | 36,485,625 |  |  |  |  |  |  |  |
| PU | 98,413,334 |  |  |  |  |  |  |  |
| PV | 36,485,625 |  |  |  |  |  |  |  |
| Combination 30 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HJ | \$183,953,125 | PAC I/AD | 6.00\% | FIX | 38374 CKQ 3 | February 2032 |
| EW | 49,753,125 |  |  |  |  |  |  |  |
| FI | 107,360,000 |  |  |  |  |  |  |  |
| IW | 39,802,500 |  |  |  |  |  |  |  |
| PU | 107,360,000 |  |  |  |  |  |  |  |
| PV | 39,802,500 |  |  |  |  |  |  |  |

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REMIC Securities

| Class | Original Class <br> Principal Balance <br> or Class <br> Notional Balance |
| :--- | ---: |
| Combination 31 | $\$ 107,360,000$ |
| EH | $39,802,500$ |
| EW | $107,360,000$ |
| FI | $39,802,500$ |
| IW | $107,360,000$ |
| PU | $39,802,500$ |
| PV | $\$ 134,200,000$ |
| Combination 32 | $77,393,750$ |
| EH | $53,680,000$ |
| EW | $30,957,500$ |
| FI | $53,680,000$ |
| IW | $30,957,500$ |
| PU | $\$ 134,200,000$ |
| PV | $77,393,750$ |
| Combination 33 | $62,626,667$ |
| EH | $36,117,084$ |
| EW | $62,626,667$ |
| FI | $36,117,084$ |
| IW |  |
| PU | $\$ 134,200,000$ |
| PV | $77,393,750$ |
| Combination 34 | $71,573,334$ |
| EH | $41,276,667$ |
| EW | $71,573,334$ |
| FI | $41,276,667$ |
| IW |  |

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| Remic Securities |  | mx Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | $\begin{gathered} \text { Maximum } \\ \begin{array}{c} \text { Original Class } \\ \text { Principal Baance } \\ \text { or Class Notional } \\ \text { Balance(2) } \end{array} \\ \hline \end{gathered}$ | Principal Type( 3 ) | Interest Rate | Interest Type(3) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| Combination 35 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HT | \$211,593,750 | PAC I/AD | 4.50\% | FIX | 38374 CKV 2 | February 2032 |
| EW | 77,393,750 |  |  |  |  |  |  |  |
| FI | 80,520,000 |  |  |  |  |  |  |  |
| IW | 46,436,250 |  |  |  |  |  |  |  |
| PU | 80,520,000 |  |  |  |  |  |  |  |
| PV | 46,436,250 |  |  |  |  |  |  |  |
| Combination 36 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HU | \$211,593,750 | PAC I/AD | 5.00\% | FIX | 38374 CKW 0 | February 2032 |
| EW | 77,393,750 |  |  |  |  |  |  |  |
| FI | 89,466,667 |  |  |  |  |  |  |  |
| IW | 51,595,834 |  |  |  |  |  |  |  |
| PU | 89,466,667 |  |  |  |  |  |  |  |
| PV | 51,595,834 |  |  |  |  |  |  |  |
| Combination 37 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HV | \$211,593,750 | PAC I/AD | 5.50\% | FIX | 38374 CKX 8 | February 2032 |
| EW | 77,393,750 |  |  |  |  |  |  |  |
| FI | 98,413,334 |  |  |  |  |  |  |  |
| IW | 56,755,417 |  |  |  |  |  |  |  |
| PU | 98,413,334 |  |  |  |  |  |  |  |
| PV | 56,755,417 |  |  |  |  |  |  |  |
| Combination 38 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | HW | \$211,593,750 | PAC I/AD | 6.00\% | FIX | 38374 C KY6 | February 2032 |
| EW | 77,393,750 |  |  |  |  |  |  |  |
| FI | 107,360,000 |  |  |  |  |  |  |  |
| IW | 61,915,000 |  |  |  |  |  |  |  |
| PU | 107,360,000 |  |  |  |  |  |  |  |
| PV | 61,915,000 |  |  |  |  |  |  |  |

REMIC Securities

| Class | Original Class <br> Principal Balance <br> or Class <br> Notional Balance |
| :---: | ---: |
| ${ } }$ | EH |
| EW | $\$ 107,360,000$ |
| FI | $61,915,000$ |
| IW | $107,360,000$ |
| PU | $61,915,000$ |
| PV | $107,360,000$ |
| Combination 40 | $61,915,000$ |
| EH | $\$ 134,200,000$ |
| EW | $88,450,000$ |
| FI | $53,680,000$ |
| IW | $35,380,000$ |
| PU | $53,680,000$ |
| PV | $35,380,000$ |
| Combination 41 | $\$ 134,200,000$ |
| EH | $88,450,000$ |
| EW | $62,626,667$ |
| FI | $41,276,667$ |
| IW | $62,626,667$ |
| PU | $41,276,667$ |
| PV |  |
| Combination 42 | $\$ 134,200,000$ |
| EH | $88,450,000$ |
| EW | $71,573,334$ |
| FI | $47,173,334$ |
| IW | $71,573,334$ |
| PU | $47,173,334$ |
| PV |  |

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| REMIC Securities |  | MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | $\begin{aligned} & \text { Related } \\ & \text { MX Class } \end{aligned}$ |  | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \end{aligned}$ | Interest Rate | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \begin{array}{c} \text { CUSIP } \\ \text { Number } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination 43 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | CE | \$222,650,000 | PAC I/AD | 4.50\% | FIX | 38374 CLD 1 | February 2032 |
| EW | 88,450,000 |  |  |  |  |  |  |  |
| FI | 80,520,000 |  |  |  |  |  |  |  |
| IW | 53,070,000 |  |  |  |  |  |  |  |
| PU | 80,520,000 |  |  |  |  |  |  |  |
| PV | 53,070,000 |  |  |  |  |  |  |  |
| Combination 44 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | CG | \$222,650,000 | PAC I/AD | 5.00\% | FIX | 38374C LE 9 | February 2032 |
| EW | 88,450,000 |  |  |  |  |  |  |  |
| FI | 89,466,667 |  |  |  |  |  |  |  |
| IW | 58,966,667 |  |  |  |  |  |  |  |
| PU | 89,466,667 |  |  |  |  |  |  |  |
| PV | 58,966,667 |  |  |  |  |  |  |  |
| Combination 45 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | CH | \$222,650,000 | PAC I/AD | 5.50\% | FIX | 38374 CLF 6 | February 2032 |
| EW | 88,450,000 |  |  |  |  |  |  |  |
| FI | 98,413,334 |  |  |  |  |  |  |  |
| IW | 64,863,334 |  |  |  |  |  |  |  |
| PU | 98,413,334 |  |  |  |  |  |  |  |
| PV | 64,863,334 |  |  |  |  |  |  |  |
| Combination 46 |  |  |  |  |  |  |  |  |
| EH | \$134,200,000 | CJ | \$222,650,000 | PAC I/AD | 6.00\% | FIX | 38374 CLG 4 | February 2032 |
| EW | 88,450,000 |  |  |  |  |  |  |  |
| FI | 107,360,000 |  |  |  |  |  |  |  |
| IW | 70,760,000 |  |  |  |  |  |  |  |
| PU | 107,360,000 |  |  |  |  |  |  |  |
| PV | 70,760,000 |  |  |  |  |  |  |  |

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| MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Related <br> MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | Type (3) <br> Principal Type(3) | $\begin{array}{c}\text { Interest } \\ \text { Rate }\end{array}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date }(4) \\ \hline \end{gathered}$ |
| CK | \$178,120,000 | PAC I/AD | 7.50\% | FIX | 38374 CLH 2 | February 2032 |
| CL | \$134,200,000 | PAC I/AD | 3.00\% | FIX | 38374 C L J 8 | February 2027 |
| CM | \$134,200,000 | PAC I/AD | 3.50\% | FIX | 38374 CLK 5 | February 2027 |
| CN | \$134,200,000 | PAC I/AD | 4.00\% | FIX | 38374 C L L 3 | February 2027 |
| CP | \$134,200,000 | PAC I/AD | 4.50\% | FIX | 38374 CLM 1 | February 2027 |
| CT | \$134,200,000 | PAC I/AD | 5.00\% | FIX | 38374 CLN 9 | February 2027 |
| CU | \$134,200,000 | PAC I/AD | 5.50\% | FIX | 38374 CLP 4 | February 2027 |


| REMIC Securities |  |
| :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance |
| Combination 47 |  |
| EH | \$107,360,000 |
| EW | 70,760,000 |
| FI | 107,360,000 |
| IW | 70,760,000 |
| PU | 107,360,000 |
| PV | 70,760,000 |
| Combination 48 |  |
| EH | \$134,200,000 |
| FI | 53,680,000 |
| PU | 53,680,000 |
| Combination 49 |  |
| EH | \$134,200,000 |
| FI | 62,626,667 |
| PU | 62,626,667 |
| Combination 50 |  |
| EH | \$134,200,000 |
| FI | 71,573,334 |
| PU | 71,573,334 |
| Combination 51 |  |
| EH | \$134,200,000 |
| FI | 80,520,000 |
| PU | 80,520,000 |
| Combination 52 |  |
| EH | \$134,200,000 |
| FI | 89,466,667 |
| PU | 89,466,667 |
| Combination 53 |  |
| EH | \$134,200,000 |
| FI | 98,413,334 |
| PU | 98,413,334 |


|  |  |  | curities |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Related MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | Type(3) <br> Principal Type(3) | Interest | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| CV | \$134,200,000 | PAC I/AD | 6.00\% | FIX | 38374 CLQ 2 | February 2027 |
| CW | \$107,360,000 | PAC I/AD | 7.50\% | FIX | 38374 C L R 0 | February 2027 |
| WG | \$221,125,000 | PAC I/AD | 3.00\% | FIX | 38374 C L S 8 | February 2032 |
| WH | \$221,125,000 | PAC I/AD | 3.50\% | FIX | 38374 CLT 6 | February 2032 |
| WJ | \$221,125,000 | PAC I/AD | 4.00\% | FIX | 38374 CLU 3 | February 2032 |
| WK | \$221,125,000 | PAC I/AD | 4.50\% | FIX | 38374 C LV 1 | February 2032 |
| WL | \$221,125,000 | PAC I/AD | 5.00\% | FIX | $38374 \mathrm{CLW9}$ | February 2032 |
| WM | \$221,125,000 | PAC I/AD | 5.50\% | FIX | 38374 CLX 7 | February 2032 |


| REMIC Securities |  |
| :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance |
| Combination 54 |  |
| EH | \$134,200,000 |
| FI | 107,360,000 |
| PU | 107,360,000 |
| Combination 55 |  |
| EH | \$107,360,000 |
| FI | 107,360,000 |
| PU | 107,360,000 |
| Combination 56 |  |
| EW | \$221,125,000 |
| IW | 88,450,000 |
| PV | 88,450,000 |
| Combination 57 |  |
| EW | \$221,125,000 |
| IW | 103,191,667 |
| PV | 103,191,667 |
| Combination 58 |  |
| EW | \$221,125,000 |
| IW | 117,933,334 |
| PV | 117,933,334 |
| Combination 59 |  |
| EW | \$221,125,000 |
| IW | 132,675,000 |
| PV | 132,675,000 |
| Combination 60 |  |
| EW | \$221,125,000 |
| IW | 147,416,667 |
| PV | 147,416,667 |
| Combination 61 |  |
| EW | \$221,125,000 |
| IW | 162,158,334 |
| PV | 162,158,334 |

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REMIC Securities

| Remic securites |  | Se |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance Notion Class Notional Balance | Related MX Class | Maximum <br> Original Class <br> Principal Balance <br> or Class Notional <br> Balance(2) | Principal Type(3) | Interest Rate | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \end{aligned}$ | $\underset{\substack{\text { Cusip } \\ \text { Number }}}{ }$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination 62 |  |  |  |  |  |  |  |  |
| EW | \$221,125,000 | wn | \$221,125,000 | PAC I/AD | 6.00\% | FIX | 38374 CLY 5 | February 2032 |
| IW | 176,900,000 |  |  |  |  |  |  |  |
| PV | 176,900,000 |  |  |  |  |  |  |  |
| Combination 63 |  |  |  |  |  |  |  |  |
| EW | \$176,900,000 | WP | \$176,900,000 | PAC I/AD | 7.50\% | FIX | 38374 C L Z 2 | February 2032 |
| IW | 176,900,000 |  |  |  |  |  |  |  |
| PV | 176,900,000 |  |  |  |  |  |  |  |
| Combination 64 |  |  |  |  |  |  |  |  |
| FI | \$107,360,000 | HI | \$284,260,000 | NTL (PAC I/AD) | 7.50\% | FIX/IO | $38374 \mathrm{CMA6}$ | February 2032 |
| IW | 176,900,000 |  |  |  |  |  |  |  |
| PU | 107,360,000 |  |  |  |  |  |  |  |
| PV | 176,900,000 |  |  |  |  |  |  |  |
| Combination 65(6) |  |  |  |  |  |  |  |  |
| vT | \$ 31,762,500 | VI | \$ 10,587,500 | NTL (PAC II/AD) | 6.00\% | FIX/IO | $38374 \mathrm{CmB4} 4$ | September 2017 |
|  |  | VK | 31,762,500 | PAC II/AD | 4.00 | FIX | 38374 CMC 2 | September 2017 |
|  |  | VL | 31,762,500 | PAC II/AD | 4.50 | FIX | 38374 CMD 0 | September 2017 |
|  |  | VM | 31,762,500 | PAC II/AD | 5.00 | FIX | 38374 CME 8 | September 2017 |
|  |  | VN | 31,762,500 | PAC II/AD | 5.50 | FIX | 38374 CMF 5 | September 2017 |
| Security Group 2 |  |  |  |  |  |  |  |  |
| Combination 66(6) |  |  |  |  |  |  |  |  |
| TA | \$166,400,000 | TI | \$105,890,909 | NTL (PAC I) | 5.50\% | FIX/IO | 38374 CMG 3 | September 2026 |
|  |  | TK | 166,400,000 | PAC I | 2.00 | FIX | $38374 \mathrm{CMH1}$ | September 2026 |
|  |  | TL | 166,400,000 | PAC I | 2.50 | FIX | 38374 CMJ 7 | September 2026 |
|  |  | TM | 166,400,000 | PAC I | 3.00 | FIX | 38374 CMK 4 | September 2026 |
|  |  | TN | 166,400,000 | PAC I | 3.50 | FIX | 38374 CML 2 | September 2026 |
|  |  | TU | 166,400,000 | PAC I | 4.00 | FIX | $38374 \mathrm{CMM0}$ | September 2026 |
|  |  | TV | 166,400,000 | PAC I | 4.50 | FIX | $38374 \mathrm{CMN8}$ | September 2026 |
|  |  | TW | 166,400,000 | PAC I | 5.00 | FIX | 38374 CMP 3 | September 2026 |

REMIC Securities

| Class | Original Class Principal Balance or Class Notional Balance | Related <br> MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type (3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Combination 67(6) |  |  |  |  |  |  |  |  |
| TB | \$ 99,200,000 | IB | \$ 45,090,909 | NTL (PAC I) | 5.50\% | FIX / IO | 38374 CMQ 1 | January 2029 |
|  |  | WA | 99,200,000 | PAC I | 3.00 | FIX | $38374 \mathrm{CMR9}$ | January 2029 |
|  |  | WB | 99,200,000 | PAC I | 3.50 | FIX | 38374 CMS 7 | January 2029 |
|  |  | WC | 99,200,000 | PAC I | 4.00 | FIX | $38374 \mathrm{CMT5}$ | January 2029 |
|  |  | WD | 99,200,000 | PAC I | 4.50 | FIX | 38374 CMU 2 | January 2029 |
|  |  | WE | 99,200,000 | PAC I | 5.00 | FIX | $38374 \mathrm{CMV0}$ | January 2029 |
| Combination 68 |  |  |  |  |  |  |  |  |
| TA | \$166,400,000 | TC | \$265,600,000 | PAC I | 5.50\% | FIX | 38374 CMW 8 | January 2029 |
| TB | 99,200,000 |  |  |  |  |  |  |  |
| Combination 69(6) |  |  |  |  |  |  |  |  |
| TC (7) | \$265,600,000 | IK | \$144,872,727 | NTL (PAC I) | 5.50\% | FIX / IO | $38374 \mathrm{CMX6}$ | January 2029 |
|  |  | KL | 265,600,000 | PAC I | 2.50 | FIX | 38374 CMY 4 | January 2029 |
|  |  | KM | 265,600,000 | PAC I | 3.00 | FIX | $38374 \mathrm{CMZ1}$ | January 2029 |
|  |  | KN | 265,600,000 | PAC I | 3.50 | FIX | 38374 CNA 5 | January 2029 |
|  |  | KU | 265,600,000 | PAC I | 4.50 | FIX | 38374 CNB 3 | January 2029 |
|  |  | KV | 265,600,000 | PAC I | 5.00 | FIX | 38374 CNC 1 | January 2029 |
|  |  | TX | 265,600,000 | PAC I | 4.00 | FIX | 38374 CND 9 | January 2029 |
| Combination 70(6) |  |  |  |  |  |  |  |  |
| TD | \$ 98,560,000 | DT | \$ 98,560,000 | PAC I | 4.50\% | FIX | 38374 CNE 7 | January 2031 |
|  |  | DU | 98,560,000 | PAC I | 5.00 | FIX | 38374 CNF 4 | January 2031 |
|  |  | ID | 17,920,000 | NTL (PAC I) | 5.50 | FIX/IO | 38374 CNG 2 | January 2031 |
| Combination 71(6) |  |  |  |  |  |  |  |  |
| TE | \$120,320,000 | DX | \$120,320,000 | PAC I | 4.50\% | FIX | 38374 CNHO | February 2033 |
|  |  | DY | 120,320,000 | PAC I | 5.00 | FIX | 38374 CNJ 6 | February 2033 |
|  |  | IE | 21,876,363 | NTL (PAC I) | 5.50 | FIX/IO | 38374 CNK 3 | February 2033 |
| Combination 72 |  |  |  |  |  |  |  |  |
| EG | \$ 37,440,000 | TG | \$ 37,440,000 | PAC I | 5.50\% | FIX | 38374 CNL 1 | September 2033 |
| IG | 37,440,000 |  |  |  |  |  |  |  |


| Remic Securities |  | MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | Maximum Original Class Principal Balance or Class Notion Balance(2) | Principal Type(3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| Security Group 3 |  |  |  |  |  |  |  |  |
| Combination 73 |  |  |  |  |  |  |  |  |
| EB | 102,508,000 |  |  |  |  |  |  |  |
| EC | 106,692,000 |  |  |  |  |  |  |  |
| IC | 106,692,000 |  |  |  |  |  |  |  |
| Combination 74 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | EL | \$261,500,000 | PAC I/AD | 0.00\% | PO | 38374 CNN 7 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| Combination 75 |  |  |  |  |  |  |  |  |
| EB | \$102,508,000 | SB | \$102,508,000 | PAC I/AD | (5) | INV | 38374 CNP 2 | December 2027 |
| QB | 102,508,000 |  |  |  |  |  |  |  |
| Combination 76 |  |  |  |  |  |  |  |  |
| BI | \$102,508,000 | FB | \$102,508,000 | PAC I/AD | (5) | FLT | 38374 CNQ 0 | December 2027 |
| EB | 102,508,000 |  |  |  |  |  |  |  |
| Combination 77 |  |  |  |  |  |  |  |  |
| EC | \$106,692,000 | SC | \$106,692,000 | PAC I/AD | (5) | INV | 38374 CNR 8 | September 2031 |
| QC | 106,692,000 |  |  |  |  |  |  |  |
| Combination 78 |  |  |  |  |  |  |  |  |
| EC | \$106,692,000 | FC | \$106,692,000 | PAC I/AD | (5) | FLT | 38374 CNS 6 | September 2031 |
| IC | 106,692,000 |  |  |  |  |  |  |  |
| Combination 79 |  |  |  |  |  |  |  |  |
| QB | \$102,508,000 | LS | \$209,200,000 | NTL (PAC I/AD) | (5) | INV/IO | 38374 CNT 4 | September 2031 |
| QC | 106,692,000 |  |  |  |  |  |  |  |
| Combination 80 |  |  |  |  |  |  |  |  |
| BI | \$102,508,000 | IF | \$209,200,000 | NTL (PAC I/AD) | (5) | FLT/IO | 38374 CNU 1 | September 2031 |
| IC | 106,692,000 |  |  |  |  |  |  |  |
| Combination 81 |  |  |  |  |  |  |  |  |
| BI | \$102,508,000 | DI | \$102,508,000 | NTL (PAC I/AD) | 7.50\% | FIX / IO | 38374 CNV 9 | December 2027 |
| QB | 102,508,000 |  |  |  |  |  |  |  |

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| Remic Securities |  | MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | Maximum Original Class Principal Balance or Class Notion Balance(2) | Principal Type(3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| Combination 82 |  |  |  |  |  |  |  |  |
| IC | \$106,692,000 | CI | \$106,692,000 | NTL (PAC I/AD) | 7.50\% | FIX / IO | 38374 CNW 7 | September 2031 |
| QC | 106,692,000 |  |  |  |  |  |  |  |
| Combination 83 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LA | \$261,500,000 | PAC I/AD | 4.00\% | FIX | 38374 CNX 5 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 68,338,667 |  |  |  |  |  |  |  |
| IC | 71,128,000 |  |  |  |  |  |  |  |
| QB | 68,338,667 |  |  |  |  |  |  |  |
| QC | 71,128,000 |  |  |  |  |  |  |  |
| Combination 84 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LB | \$261,500,000 | PAC I/AD | 4.25\% | FIX | 38374 CNY 3 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 72,609,834 |  |  |  |  |  |  |  |
| IC | 75,573,500 |  |  |  |  |  |  |  |
| QB | 72,609,834 |  |  |  |  |  |  |  |
| QC | 75,573,500 |  |  |  |  |  |  |  |
| Combination 85 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LC | \$261,500,000 | PAC I/AD | 4.50\% | FIX | 38374 CNZ 0 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 76,881,000 |  |  |  |  |  |  |  |
| IC | 80,019,000 |  |  |  |  |  |  |  |
| QB | 76,881,000 |  |  |  |  |  |  |  |
| QC | 80,019,000 |  |  |  |  |  |  |  |
| Combination 86 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LD | \$261,500,000 | PAC I/AD | 4.75\% | FIX | 38374 CPA 3 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 81,152,167 |  |  |  |  |  |  |  |
| IC | 84,464,500 |  |  |  |  |  |  |  |
| QB | 81,152,167 |  |  |  |  |  |  |  |
| QC | 84,464,500 |  |  |  |  |  |  |  |


| Remic Securities |  | MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | $\begin{array}{c}\text { Related } \\ \text { MX Class }\end{array}$ | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type(3) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date }(4) \\ \hline \end{gathered}$ |
| Combination 87 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LE | \$261,500,000 | PAC I/AD | 5.00\% | FIX | 38374 CP B 1 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 85,423,334 |  |  |  |  |  |  |  |
| IC | 88,910,000 |  |  |  |  |  |  |  |
| QB | 85,423,334 |  |  |  |  |  |  |  |
| QC | 88,910,000 |  |  |  |  |  |  |  |
| Combination 88 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LG | \$261,500,000 | PAC I/AD | 5.25\% | FIX | 38374 CPC 9 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 89,694,500 |  |  |  |  |  |  |  |
| IC | 93,355,500 |  |  |  |  |  |  |  |
| QB | 89,694,500 |  |  |  |  |  |  |  |
| QC | 93,355,500 |  |  |  |  |  |  |  |
| Combination 89 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LH | \$261,500,000 | PAC I/AD | 5.50\% | FIX | 38374 CPD 7 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 93,965,667 |  |  |  |  |  |  |  |
| IC | 97,801,000 |  |  |  |  |  |  |  |
| QB | 93,965,667 |  |  |  |  |  |  |  |
| QC | 97,801,000 |  |  |  |  |  |  |  |
| Combination 90 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LJ | \$261,500,000 | PAC I/AD | 5.75\% | FIX | 38374 CPE 5 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 98,236,834 |  |  |  |  |  |  |  |
| IC | 102,246,500 |  |  |  |  |  |  |  |
| QB | 98,236,834 |  |  |  |  |  |  |  |
| QC | 102,246,500 |  |  |  |  |  |  |  |

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| REMIC Securities |  | MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | Maximum Original Class Principal Balance or Class Notio | Principal Type(3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | Interest Type(3) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | Final Distribution Date(4) |
| Combination 91 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LK | \$261,500,000 | PAC I/AD | 6.00\% | FIX | 38374 CPF 2 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 102,508,000 |  |  |  |  |  |  |  |
| IC | 106,692,000 |  |  |  |  |  |  |  |
| QB | 102,508,000 |  |  |  |  |  |  |  |
| QC | 106,692,000 |  |  |  |  |  |  |  |
| Combination 92 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LM | \$261,500,000 | PAC I/AD | 3.00\% | FIX | 38374 CP G 0 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 51,254,000 |  |  |  |  |  |  |  |
| IC | 53,346,000 |  |  |  |  |  |  |  |
| QB | 51,254,000 |  |  |  |  |  |  |  |
| QC | 53,346,000 |  |  |  |  |  |  |  |
| Combination 93 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | LN | \$261,500,000 | PAC I/AD | 3.50\% | FIX | 38374 CPH 8 | September 2031 |
| EC | 133,365,000 |  |  |  |  |  |  |  |
| BI | 59,796,334 |  |  |  |  |  |  |  |
| IC | 62,237,000 |  |  |  |  |  |  |  |
| QB | 59,796,334 |  |  |  |  |  |  |  |
| QC | 62,237,000 |  |  |  |  |  |  |  |
| Combination 94 |  |  |  |  |  |  |  |  |
| EB | \$102,508,000 | LT | \$209,200,000 | PAC I/AD | 7.50\% | FIX | 38374 CP J 4 | September 2031 |
| EC | 106,692,000 |  |  |  |  |  |  |  |
| BI | 102,508,000 |  |  |  |  |  |  |  |
| IC | 106,692,000 |  |  |  |  |  |  |  |
| QB | 102,508,000 |  |  |  |  |  |  |  |
| QC | 106,692,000 |  |  |  |  |  |  |  |

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| REMIC Securities |  | mx Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance Notion Class Notional Balance | Related MX Class | $\begin{array}{\|c} \text { Maximum } \\ \text { Original Class } \\ \text { Principal Batance } \\ \text { or Class Notional } \\ \text { Balance(2) } \end{array}$ | Principal Type( 3 ) | $\begin{gathered} \text { Interest } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type( } 3 \text { ) } \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| Combination 95 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | DA | \$152,140,700 | PAC I/AD | 3.00\% | FIX | 38374 CPK 1 | September 2031 |
| EC | 24,005,700 |  |  |  |  |  |  |  |
| BI | 51,254,000 |  |  |  |  |  |  |  |
| IC | 9,602,280 |  |  |  |  |  |  |  |
| QB | 51,254,000 |  |  |  |  |  |  |  |
| QC | 9,602,280 |  |  |  |  |  |  |  |
| Combination 96 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | DC | \$152,140,700 | PAC I/AD | 3.50\% | FIX | 38374 CPL 9 | September 2031 |
| EC | 24,005,700 |  |  |  |  |  |  |  |
| BI | 59,796,334 |  |  |  |  |  |  |  |
| IC | 11,202,660 |  |  |  |  |  |  |  |
| QB | 59,796,334 |  |  |  |  |  |  |  |
| QC | 11,202,660 |  |  |  |  |  |  |  |
| Combination 97 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | DE | \$152,140,700 | PAC I/AD | 4.00\% | FIX | 38374 CPM 7 | September 2031 |
| EC | 24,005,700 |  |  |  |  |  |  |  |
| BI | 68,338,667 |  |  |  |  |  |  |  |
| IC | 12,803,040 |  |  |  |  |  |  |  |
| QB | 68,338,667 |  |  |  |  |  |  |  |
| QC | 12,803,040 |  |  |  |  |  |  |  |
| Combination 98 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | DG | \$152,140,700 | PAC I/AD | 4.50\% | FIX | 38374 CPN 5 | September 2031 |
| EC | 24,005,700 |  |  |  |  |  |  |  |
| BI | 76,881,000 |  |  |  |  |  |  |  |
| IC | 14,403,420 |  |  |  |  |  |  |  |
| QB | 76,881,000 |  |  |  |  |  |  |  |
| QC | 14,403,420 |  |  |  |  |  |  |  |

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| Remic Securities |  | mx Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | Maximum <br> Original Class <br> Principal Batance <br> or Classs Notional <br> Balance(2) | Type( 3 ) <br> $\underset{\substack{\text { Principal } \\ \text { Type(3) }}}{\text { ( }}$ | Interest Rate | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |
| Combination 99 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | DH | \$152,140,700 | PAC I/AD | 5.00\% | FIX | 38374 CPP 0 | September 2031 |
| EC | 24,005,700 |  |  |  |  |  |  |  |
| BI | 85,423,334 |  |  |  |  |  |  |  |
| IC | 16,003,800 |  |  |  |  |  |  |  |
| QB | 85,423,334 |  |  |  |  |  |  |  |
| QC | 16,003,800 |  |  |  |  |  |  |  |
| Combination 100 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | DJ | \$152,140,700 | PAC I/AD | 5.50\% | FIX | 38374 CPQ 8 | September 2031 |
| EC | 24,005,700 |  |  |  |  |  |  |  |
| BI | 93,965,667 |  |  |  |  |  |  |  |
| IC | 17,604,180 |  |  |  |  |  |  |  |
| QB | 93,965,667 |  |  |  |  |  |  |  |
| QC | 17,604,180 |  |  |  |  |  |  |  |
| Combination 101 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | DK | \$152,140,700 | PAC I/AD | 6.00\% | FIX | 38374 CPR 6 | September 2031 |
| EC | 24,005,700 |  |  |  |  |  |  |  |
| BI | 102,508,000 |  |  |  |  |  |  |  |
| IC | 19,204,560 |  |  |  |  |  |  |  |
| QB | 102,508,000 |  |  |  |  |  |  |  |
| QC | 19,204,560 |  |  |  |  |  |  |  |
| Combination 102 |  |  |  |  |  |  |  |  |
| EB | \$102,508,000 | DL | \$121,712,560 | PAC I/AD | 7.50\% | FIX | 38374 CPS 4 | September 2031 |
| EC | 19,204,560 |  |  |  |  |  |  |  |
| BI | 102,508,000 |  |  |  |  |  |  |  |
| IC | 19,204,560 |  |  |  |  |  |  |  |
| QB | 102,508,000 |  |  |  |  |  |  |  |
| QC | 19,204,560 |  |  |  |  |  |  |  |

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remic Securities

| Class | Original Class <br> Principal Balance <br> or Class <br> Notional Balance |
| :---: | ---: |
| Combination 107 |  |
| EB | $\$ 128,135,000$ |
| EC | $66,682,500$ |
| BI | $85,423,334$ |
| IC | $44,455,000$ |
| QB | $85,423,334$ |
| QC | $44,455,000$ |
| Combination 108 |  |
| EB | $\$ 128,135,000$ |
| EC | $66,682,500$ |
| BI | $93,965,667$ |
| IC | $48,900,500$ |
| QB | $93,965,667$ |
| QC | $48,900,500$ |
| Combination 109 | $\$ 128,135,000$ |
| EB | $66,682,500$ |
| EC | $102,508,000$ |
| BI | $53,346,000$ |
| IC | $102,508,000$ |
| QB | $53,346,000$ |
| QC |  |
| Combination 110 | $\$ 102,508,000$ |
| EB | $53,346,000$ |
| EC | $102,508,000$ |
| BI | $53,346,000$ |
| IC | $102,508,000$ |
| QB | $53,346,000$ |
| QC |  |
| Combination 111 | $51,28,135,000$ |
| EB | $51,254,000$ |
| BI |  |
| QB |  |
|  |  |

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| REMIC Securities |  | MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related <br> MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type(3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \begin{array}{c} \text { CUSIP } \\ \text { Number } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination 112 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | NB | \$128,135,000 | PAC I/AD | 3.50\% | FIX | $38374 \mathrm{CQC8}$ | December 2027 |
| BI | 59,796,334 |  |  |  |  |  |  |  |
| QB | 59,796,334 |  |  |  |  |  |  |  |
| Combination 113 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | NC | \$128,135,000 | PAC I/AD | 4.00\% | FIX | 38374 CQD 6 | December 2027 |
| BI | 68,338,667 |  |  |  |  |  |  |  |
| QB | 68,338,667 |  |  |  |  |  |  |  |
| Combination 114 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | ND | \$128,135,000 | PAC I/AD | 4.50\% | FIX | 38374 CQE 4 | December 2027 |
| BI | 76,881,000 |  |  |  |  |  |  |  |
| QB | 76,881,000 |  |  |  |  |  |  |  |
| Combination 115 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | NE | \$128,135,000 | PAC I/AD | 5.00\% | FIX | 38374 CQF 1 | December 2027 |
| BI | 85,423,334 |  |  |  |  |  |  |  |
| QB | 85,423,334 |  |  |  |  |  |  |  |
| Combination 116 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | NG | \$128,135,000 | PAC I/AD | 5.50\% | FIX | $38374 \mathrm{CQG9}$ | December 2027 |
| BI | 93,965,667 |  |  |  |  |  |  |  |
| QB | 93,965,667 |  |  |  |  |  |  |  |
| Combination 117 |  |  |  |  |  |  |  |  |
| EB | \$128,135,000 | NH | \$128,135,000 | PAC I/AD | 6.00\% | FIX | $38374 \mathrm{CQH7}$ | December 2027 |
| BI | 102,508,000 |  |  |  |  |  |  |  |
| QB | 102,508,000 |  |  |  |  |  |  |  |
| Combination 118 |  |  |  |  |  |  |  |  |
| EB | \$102,508,000 | NJ | \$102,508,000 | PAC I/AD | 7.50\% | FIX | 38374 C Q J 3 | December 2027 |
| BI | 102,508,000 |  |  |  |  |  |  |  |
| QB | 102,508,000 |  |  |  |  |  |  |  |
| Combination 119 |  |  |  |  |  |  |  |  |
| EC | \$133,365,000 | MK | \$133,365,000 | PAC I/AD | 3.00\% | FIX | 38374 CQK 0 | September 2031 |
| IC | 53,346,000 |  |  |  |  |  |  |  |
| QC | 53,346,000 |  |  |  |  |  |  |  |


| REMIC Securities |  | mX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type(3) | Interest Rate | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\underset{\substack{\text { Final } \\ \text { Distribution } \\ \text { Date(4) }}}{ }$ |
| Combination 120 |  |  |  |  |  |  |  |  |
| EC | \$133,365,000 | ML | \$133,365,000 | PAC I/AD | 3.50\% | FIX | 38374 CQL 8 | September 2031 |
| IC | 62,237,000 |  |  |  |  |  |  |  |
| QC | 62,237,000 |  |  |  |  |  |  |  |
| Combination 121 |  |  |  |  |  |  |  |  |
| EC | \$133,365,000 | MN | \$133,365,000 | PAC I/AD | 4.00\% | FIX | $38374 \mathrm{CQM6}$ | September 2031 |
| IC | 71,128,000 |  |  |  |  |  |  |  |
| QC | 71,128,000 |  |  |  |  |  |  |  |
| Combination 122 |  |  |  |  |  |  |  |  |
| EC | \$133,365,000 | MP | \$133,365,000 | PAC I/AD | 4.50\% | FIX | 38374 CQN 4 | September 2031 |
| IC | 80,019,000 |  |  |  |  |  |  |  |
| QC | 80,019,000 |  |  |  |  |  |  |  |
| Combination 123 |  |  |  |  |  |  |  |  |
| EC | \$133,365,000 | MT | \$133,365,000 | PAC I/AD | 5.00\% | FIX | $38374 \mathrm{CQP9}$ | September 2031 |
| IC | 88,910,000 |  |  |  |  |  |  |  |
| QC | 88,910,000 |  |  |  |  |  |  |  |
| Combination 124 |  |  |  |  |  |  |  |  |
| EC | \$133,365,000 | MU | \$133,365,000 | PAC I/AD | 5.50\% | FIX | 38374 CQQ 7 | September 2031 |
| IC | 97,801,000 |  |  |  |  |  |  |  |
| QC | 97,801,000 |  |  |  |  |  |  |  |
| Combination 125 |  |  |  |  |  |  |  |  |
| EC | \$133,365,000 | MV | \$133,365,000 | PAC I/AD | 6.00\% | FIX | 38374 CQR 5 | September 2031 |
| IC | 106,692,000 |  |  |  |  |  |  |  |
| QC | 106,692,000 |  |  |  |  |  |  |  |
| Combination 126 |  |  |  |  |  |  |  |  |
| EC | \$106,692,000 | MW | \$106,692,000 | PAC I/AD | 7.50\% | FIX | 38374 CQS 3 | September 2031 |
| IC | 106,692,000 |  |  |  |  |  |  |  |
| QC | 106,692,000 |  |  |  |  |  |  |  |
| Combination 127 |  |  |  |  |  |  |  |  |
| BI | \$102,508,000 | EI | \$209,200,000 | NTL (PAC I/AD) | 7.50\% | FIX/IO | $38374 \mathrm{CQT1}$ | September 2031 |
| IC | 106,692,000 |  |  |  |  |  |  |  |
| QB | 102,508,000 |  |  |  |  |  |  |  |
| QC | 106,692,000 |  |  |  |  |  |  |  |

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| REMIC Securities |  |
| :---: | :---: |
| $\begin{array}{c}\text { Class }\end{array}$ | $\begin{array}{c}\text { Original Class } \\ \text { Principal Balance } \\ \text { och Class }\end{array}$ |
| $\begin{array}{l}\text { Combination 128(6) } \\ \text { LV }\end{array}$ | $\begin{array}{l}\text { Notional Balance }\end{array}$ |
| (1) All |  |

(1) All exchanges must comply with minimum denominations restrictions
(2) The amount shown for each MX Class represents the maximum Origi
(2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notional Balance) of that Class, assuming it were to be issued on the Closing Date.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(5) The Interest Rate will be calculated as described under "Terms Sheet - Interest Rates" in this Supplement.
(6) In the case of Combinations 65, 66, 67, 69, 70, 71 and 128 various subcombinations are permitted. See "Description of the
Securities - Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations.
(7) MX Class.
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# Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities<br>and MX Securities<br>Ginnie Mae REMIC Trust 2003-040

> The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page $\mathrm{S}-11$ which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

## The Trust and its Assets

The Trust will own (1) Ginnie Mae Certificates and (2) a certain previously issued certificate.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be May 30, 2003.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Ginnie Mae REMIC Trust 2003-040

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | Original Principal Balance(2) | Interest Rate | Principal <br> Type(3) | Interest <br> Type(3) | Final Distribution Date(4) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| CB (1) | \$ 30,300,000 | 5.50\% | PAC I | FIX | July 2030 | 38373QWH0 |
| CD (1) | 82,750,000 | 5.50 | PAC I | FIX | November 2032 | 38373Q W J 6 |
| CV(1) | 10,000,000 | 5.50 | AD/PAC I | FIX | December 2016 | 38373QWK3 |
| CW (1) | 1,056,250 | 5.50 | AD/PAC I | FIX | March 2005 | 38373QW L 1 |
| CZ(1) | 10,000,000 | 5.50 | PAC I | FIX/Z | May 2033 | 38373QWM9 |
| DA(1) | 48,000,000 | 5.50 | PAC I | FIX | March 2023 | 38373QWE7 |
| DB(1) | 87,000,000 | 5.50 | PAC I | FIX | February 2027 | 38373QWF4 |
| DC (1) | 69,600,000 | 5.50 | PAC I | FIX | July 2029 | 38373QWG2 |
| JA (1) | 78,400,000 | 5.50 | NSJ/PAC II/AD | FIX | March 2033 | 38373QWQ0 |
| YA | 2,000,000 | 5.50 | NSJ/PAC II/AD | FIX | March 2033 | 38373QWN7 |
| YZ | 7,397,500 | 5.50 | NSJ/PAC II/AD | FIX / Z | March 2033 | 38373QWP2 |
| ZB | 73,496,250 | 5.50 | NSJ/SUP | FIX/Z | May 2033 | 38373QWR8 |
| Security Group 2 |  |  |  |  |  |  |
| FA. | 12,500,000 | (5) | STP | FLT | May 2033 | 38373QWX5 |
| PA. | 71,040,000 | 4.25 | PAC/AD | FIX | May 2033 | 38373QW S 6 |
| PF | 35,520,000 | (5) | PAC/AD | FLT | May 2033 | 38373QWT4 |
| PS | 35,520,000 | (5) | NTL (PAC/AD) | INV/IO | May 2033 | 38373QWU1 |
| PZ | 122,955 | 5.50 | AD / PAC | FIX/Z | May 2033 | 38373QWV9 |
| SA | 12,500,000 | (5) | NTL (STP) | INV/IO | May 2033 | 38373QWY3 |
| ZA | 30,817,045 | 5.50 | SUP | FIX/Z | May 2033 | 38373QWW7 |
| Security Group 3 |  |  |  |  |  |  |
| LA (1) | 122,047,367 | 4.00 | PAC | FIX | February 2029 | 38373QWZ0 |
| LB (1) | 17,150,356 | 5.50 | PAC | FIX | March 2030 | 38373Q X B 2 |
| LC. | 46,591,340 | 5.50 | PAC | FIX | October 2032 | 38373Q X C 0 |
| LD | 11,548,092 | 5.50 | PAC | FIX | May 2033 | 38373QX D 8 |
| LI | 33,285,645 | 5.50 | NTL (PAC) | FIX/IO | February 2029 | 38373Q XA 4 |
| YV(1) | 35,630,627 | 5.50 | NSJ/TAC / AD | FIX | December 2018 | 38373Q X E 6 |
| ZC | 44,097,750 | 5.50 | NSJ/CPT/SUP | FIX / Z | May 2033 | 38373Q X F 3 |
| Security Group 4 |  |  |  |  |  |  |
| A | 13,500,000 | 5.00 | SUP | FIX | June 2031 | 38373QXM8 |
| AB | 2,250,000 | 5.00 | SUP | FIX | October 2031 | 38373QXN6 |
| AC | 2,500,000 | 5.00 | SUP | FIX | May 2033 | 38373Q X P 1 |
| AD | 2,136,000 | 5.00 | SUP | FIX | March 2032 | 38373QXQ9 |
| AE | 6,764,000 | 5.00 | SUP | FIX | May 2033 | 38373Q X R 7 |
| NB | 4,000,000 | 5.00 | PAC | FIX | December 2028 | 38373Q X J 5 |
| NC | 19,350,000 | 5.00 | PAC | FIX | January 2032 | 38373Q X K 2 |
| ND | 10,000,000 | 5.00 | PAC | FIX | May 2033 | 38373Q X L 0 |
| NG(1) | 23,000,000 | 5.00 | PAC | FIX | October 2024 | 38373QX G 1 |
| NH (1) | 16,500,000 | 5.00 | PAC | FIX | March 2028 | 38373QXH9 |
| Security Group 5 |  |  |  |  |  |  |
| TA | 7,000,000 | 4.50 | SC/SEQ | FIX | March 2033 | 38373Q X S 5 |
| TB | 3,500,000 | 5.50 | SC/SEQ | FIX | March 2033 | 38373Q X T3 |
| TC | 3,500,000 | 7.50 | SC/SEQ | FIX | March 2033 | 38373QXU0 |
| TD | 6,000,000 | 5.00 | SC/SEQ | FIX | March 2033 | 38373Q XV8 |
| TE | 3,000,000 | 7.50 | SC/SEQ | FIX | March 2033 | 38373QXW6 |
| TG | 3,000,000 | 4.50 | SC/SEQ | FIX | March 2033 | 38373Q X X 4 |
| TH | 6,000,000 | 4.50 | SC/SEQ | FIX | March 2033 | 38373Q XY2 |
| TJ | 6,000,000 | 6.50 | SC/SEQ | FIX | March 2033 | 38373Q X Z9 |
| Residual |  |  |  |  |  |  |
| RR | 0 | 0.00 | NPR | NPR | May 2033 | 38373 Q Y A 3 |

[^9]
## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: May 30, 2003
Distribution Dates: For Group 2 and 3 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in June 2003. For Group 1, 4 and 5 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in June 2003.

Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type | Certificate Rate |  | Original Term <br> To Maturity <br> (in years) <br> 1 |
| :---: | :---: | :---: | :---: | :---: | |  | Ginnie Mae II | $5.50 \%$ |
| :---: | :---: | :---: |
| 2 | Ginnie Mae I | $5.75 \%$ |
| 3 | Ginnie Mae I | $5.50 \%$ |
| 4 | Ginnie Mae II | $5.00 \%$ |
| 5 | Underlying Certificate | $(1)$ |

(1) Certain information regarding the Underlying Certificate is set forth in Exhibits A and B to this Supplement.

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3 and 4 Trust Assets ${ }^{1}$ :

| ${ }^{\text {Principal }}$ Balance | Weighted Average Remaining Term to Maturity (in months) | Weighted Average Loan Age <br> (in months) | Weighted Average Mortgage Rate ${ }^{3}$ |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets |  |  |  |
| \$500,000,000 | 357 | 2 | 6.30\% |
| Group 2 Trust Assets |  |  |  |
| \$150,000,000 | 351 | 1 | 6.25\% |
| Group 3 Trust Assets |  |  |  |
| \$277,065,532 | 358 | 1 | 6.00\% |
| Group 4 Trust Assets |  |  |  |
| \$100,000,000 | 358 | 1 | 5.80\% |
| ${ }^{1}$ As of May 1, 2003. |  |  |  |
| ${ }^{2}$ Does not include Group 3 Trust Assets that will be added to pay the Trustee Fee. |  |  |  |
| ${ }^{3}$ The Mortgage Loans underlying the Group 1 and 4 Trust Assets may bear interest at rates ranging from $0.5 \%$ to $1.5 \%$ per annum above the related Certificate Rate. |  |  |  |

The actual remaining terms to maturity, loan ages and, in the case of the Group 1 and 4 Trust Assets, Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 2, 3 and 4 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trust.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.
Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.
Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only or Non-Sticky Jump Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | Initial Interest Rate(2) | $\begin{aligned} & \text { Minimum } \\ & \text { Rate } \end{aligned}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.40\% | 1.70\% | 0.40\% | 8.50\% | 0 | 0.00\% |
| PF | LIBOR + 0.30\% | 1.60\% | 0.30\% | 8.00\% | 0 | 0.00\% |
| PS | 7.70\% - LIBOR | 6.40\% | 0.00\% | 7.70\% | 0 | 7.70\% |
| SA | 8.10\% - LIBOR | 6.80\% | 0.00\% | 8.10\% | 0 | 8.10\% |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

The Group 1 Principal Distribution Amount and the CZ, YZ and ZB Accrual Amounts will be allocated as follows:

- The CZ Accrual Amount, sequentially, to CW, CV and CZ, in that order, until retired
- The Group 1 Principal Distribution Amount and beginning in step 3 the ZB Accrual Amount and beginning in step 3.b. the YZ Accrual Amount in the following order of priority:

1. Sequentially, to $\mathrm{DA}, \mathrm{DB}, \mathrm{DC}, \mathrm{CB}, \mathrm{CD}, \mathrm{CW}, \mathrm{CV}$ and CZ , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Up to the ZB Jump Percentage of the remaining Principal Distribution Amount to ZB , until its balance has been reduced to $\$ 6,875,000$
3. To the PAC II Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, concurrently, as follows:
a. $2.2779691905 \%$ to YA, until retired
b. $97.7220308095 \%$ in the following order of priority:
i. To JA, until reduced to its Scheduled Principal Balance for that Distribution Date
ii. Concurrently, to JA and YZ, pro rata, based on their then current balances, until retired
4. To ZB, until its balance has been reduced to $\$ 6,875,000$
5. To the PAC II Classes, in the manner and order of priority described in Step 3, but without regard to their Aggregate Scheduled Principal Balances, until retired
6. To ZB, until retired
7. Sequentially, to DA, DB, DC, CB, CD, CW, CV and CZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

- For any Distribution Date, the "ZB Jump Percentage" means the percentage (not greater than $99 \%$ ) derived by dividing (a) the excess, if any, of the $301 \%$ PSA Group 1 Balance over the remaining Principal Balance of the Group 1 Trust Assets, after giving effect to their reduction on that Distribution Date by (b) the excess of the $301 \%$ PSA Group 1 Balance over the $434 \%$ PSA Group 1 Balance


## SECURITY GROUP 2

The Group 2 Principal Distribution Amount and the PZ and ZA Accrual Amounts will be allocated as follows:

- The PZ Accrual Amount in the following order of priority:

1. Concurrently, to PA and PF, pro rata, until retired
2. To PZ, until retired

- The ZA Accrual Amount in the following order of priority:

1. To the PAC Classes, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, in the following order of priority:
a. Concurrently, to PA and PF, pro rata, until retired
b. To PZ, until retired
2. To ZA, until retired

- The Group 2 Principal Distribution Amount, concurrently, as follows::

1. $8.3333333333 \%$ to FA , until retired
2. $91.6666666667 \%$ in the following order of priority:
a. To the PAC Classes, until reduced to their Aggregate Scheduled Principal Balances for that Distribution Date, in the following order of priority:
i. Concurrently, to PA and PF, pro rata, until retired
ii. To PZ, until retired
b. To ZA, until retired
c. To the PAC Classes, in the manner and order of priority described in Step 2.a, but without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 3

A percentage of the Group 3 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 3 Principal Distribution Amount (the "Group 3 Adjusted

Principal Distribution Amount") and the ZC1 and ZC2 Accrual Amounts will be allocated as follows:

- The ZC2 Accrual Amount, sequentially, to Segment 1 and ZC2, in that order, until retired
- The Group 3 Adjusted Principal Distribution Amount in the following order of priority:

1. Sequentially, to LA, LB, LC and LD, in that order, until reduced to their Aggregate Scheduled Principal Balances for that Distribution Date, until retired
2. Concurrently, to Segment 1 and ZC2, pro rata, based on their then current balances, until retired
3. Sequentially, to LA, LB, LC and LD, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

- On each Distribution Date, payments allocated to Segment 1 and the ZC1 Accrual Amount will be aggregated and distributed in the following order of priority:

1. Up to the ZC1 Jump Percentage to ZC1, until retired
2. To YV, until reduced to its Scheduled Principal Balance for that Distribution Date
3. To ZC1, until retired
4. To YV, without regard to its Scheduled Principal Balances, until retired

- For any Distribution Date, the "ZC1 Jump Percentage" means the percentage (not greater than $99 \%$ ) derived by dividing (a) the excess, if any, of the $301 \%$ PSA Segment 1 Balance over the remaining Segment 1 Balance, after giving effect to its reduction on that Distribution Date by (b) the excess of the $301 \%$ PSA Segment 1 Balance over the $321 \%$ PSA Segment 1 Balance


## SECURITY GROUP 4

- The Group 4 Principal Distribution Amount in the following order of priority:

1. Sequentially, to $\mathrm{NG}, \mathrm{NH}, \mathrm{NB}, \mathrm{NC}$ and ND , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, until retired
2. Sequentially, to $A$ and $A B$, in that order, until retired
3. Concurrently:
a. $21.9298245614 \%$ to AC, until retired
b. $78.0701754386 \%$, sequentially, to AD and AE , in that order, until retired
4. Sequentially, to $N G, N H, N B, N C$ and $N D$, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 5

- The Group 5 Principal Distribution Amount in the following order of priority:

1. Concurrently, to TA, TB and TC, pro rata, until retired
2. Concurrently, to TD, TE and TG, pro rata, until retired
3. Concurrently, to TH and TJ, pro rata, until retired

Scheduled Principal Balances: The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges or Rate:

| Class | Structuring Ranges or Rate |
| :---: | :---: |
| CB, CD, CV, CW, CZ, DA, DB and DC (in the aggregate) | $125 \%$ PSA through 300\% PSA |
| $\mathrm{JA}, \mathrm{YA}$ and YZ (in the aggregate) | 198\% PSA through 300\% PSA |
| JA | $180 \%$ PSA through $288 \% \mathrm{PSA}^{(1)}$ |
| PA, PF and PZ (in the aggregate) | $170 \%$ PSA through $325 \% \mathrm{PSA}^{(2)}$ |
| LA, LB, LC and LD (in the aggregate) | $125 \%$ PSA through 300\% PSA |
| YV | 280\% PSA |
| NB, NC, ND, NG and NH (in the aggregate) | 95\% PSA through $230 \%$ PSA |

${ }^{(1)}$ Class JA was structured using an assumed Structuring Range of $180 \%$ PSA through $288 \%$ PSA, but it has no Effective Range.
${ }^{(2)}$ Classes PA, PF and PZ (in the aggregate) were structured using an assumed Structuring Range of $170 \%$ PSA through $325 \%$ PSA, but their initial Effective Range is $144 \%$ PSA through 324\% PSA.

Jump Balances: The 301\% PSA Group 1 Balances, 434\% PSA Group 1 Balances, 301\% PSA Segment 1 Balances and 321\% PSA Segment 1 Balances (together, the "Jump Balances") are included in Schedule III to this Supplement. The Jump Balances were calculated using Structuring Rates of $301 \%$ PSA, $321 \%$ PSA and $434 \%$ PSA, as applicable, and the assumed characteristics of the related Trust MBS to be delivered on the Closing Date. The actual characteristics of the related Trust MBS may vary from the characteristics assumed in preparing the Jump Balances included in Schedule III to this Supplement and, if so, the Sponsor may recalculate such balances. The Sponsor will make them available on Ginnie Mae's Multiclass Securities e-Access located on Ginnie Mae's website ("e-Access") shortly after the Closing Date.

Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The

Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| BI | \$ 87,000,000 | 100\% of DB (PAC I Class) |
| IB | 17,150,356 | 100\% of LB (PAC Class) |
| IC | 204,600,000 | 100\% of DA, DB and DC (in the aggregate) (PAC I Classes) |
| ID | 48,000,000 | 100\% of DA (PAC I Class) |
| IE | 15,800,000 | $40 \%$ of NG and NH (in the aggregate) (PAC I Classes) |
| IG | 9,200,000 | 40\% of NG (PAC Class) |
| IH | 5,509,090 | 18.1818181818\% of CB (PAC I Class) |
| IJ | 78,400,000 | 100\% of JA (NSJ/PAC II /AD Class) |
| IL | 88,761,721 | $72.7272727273 \%$ of LA (PAC Class) |
| IM | 35,630,627 | 100\% of YV (NSJ/TAC/AD Class) |
| IN | 15,045,454 | 18.1818181818\% of CD (PAC I Class) |
| IU | 6,600,000 | 40\% of NH (PAC Class) |
| IW | 69,600,000 | 100\% of DC (PAC I Class) |
| LI | 33,285,645 | 27.2727272727\% of LA (PAC Class) |
| PS | 35,520,000 | 100\% of PF (PAC/AD Class) |
| SA | 12,500,000 | 100\% of FA (STP Class) |

Component Classes: For purposes of calculating distributions of principal, Class ZC is comprised of multiple components having the designations and characteristics set forth below. Components are not separately transferable from the related Class of Securities.

| Class | Components | Principal Type | Interest Type | Interest Rate | Original Principal Balance |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ZC | ZC1 | NSJ/SUP | FIX / Z | 5.5\% | \$10,074,103 |
|  | ZC2 | SUP | FIX / Z | 5.5 | 34,023,647 |

Segment: For purposes of calculating distributions of principal, certain Classes will be apportioned as a Segment as follows:

| Segment | Principal <br> Type | Original <br> Principal <br> Balance |
| :---: | :---: | :---: |
| $\mathrm{SUP} / \mathrm{AD}$ | $\$ 45,704,730$ | Related <br> Classes |
| YV and ZC1 |  |  |

Tax Status: Double REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Class $R R$ is a Residual Class and includes the Residual Interest of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.
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| Class | $\begin{array}{c}\text { Original Class } \\ \text { Principal Balance }\end{array}$ | $\begin{gathered} \text { Related } \\ \text { MX Class } \\ \hline \end{gathered}$ |  | Maximum <br> riginal Class <br> ncipal Balance <br> Class Notional <br> Balance(2) | Principal Type(3) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | Final Distribution Date(4) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Combination 5(6) |  |  |  |  |  |  |  |  |  |
| DB | \$ 87,000,000 | BA | \$ | 87,000,000 | PAC I | 3.50\% | FIX | 38373 QY Y 1 | February 2027 |
|  |  | BC |  | 87,000,000 | PAC I | 4.00 | FIX | 38373 QY Z 8 | February 2027 |
|  |  | BD |  | 87,000,000 | PAC I | 4.25 | FIX | 38373 QZ A 2 | February 2027 |
|  |  | BE |  | 87,000,000 | PAC I | 4.50 | FIX | 38373 QZ B 0 | February 2027 |
|  |  | BG |  | 87,000,000 | PAC I | 5.00 | FIX | 38373 QZ C 8 | February 2027 |
|  |  | BH |  | 68,357,142 | PAC I | 7.00 | FIX | 38373 QZ D 6 | February 2027 |
|  |  | BI |  | 87,000,000 | NTL (PAC I) | 5.50 | FIX/IO | 38373 QZ E 4 | February 2027 |
|  |  | BJ |  | 63,800,000 | PAC I | 7.50 | FIX | 38373 QZ F 1 | February 2027 |
|  |  | BK |  | 59,812,500 | PAC I | 8.00 | FIX | 38373 QZ G 9 | February 2027 |
|  |  | BP |  | 87,000,000 | PAC I | 0.00 | PO | 38373 QZ H 7 | February 2027 |
| Combination 6(6) |  |  |  |  |  |  |  |  |  |
| DC | \$ 69,600,000 | BL | \$ | 69,600,000 | PAC I | 3.50\% | FIX | 38373QZ J 3 | July 2029 |
|  |  | BM |  | 69,600,000 | PAC I | 4.00 | FIX | 38373 QZ K 0 | July 2029 |
|  |  | BN |  | 69,600,000 | PAC I | 4.25 | FIX | 38373 QZ L 8 | July 2029 |
|  |  | BO |  | 69,600,000 | PAC I | 0.00 | PO | 38373 QZM 6 | July 2029 |
|  |  | BT |  | 69,600,000 | PAC I | 5.00 | FIX | 38373QZ N 4 | July 2029 |
|  |  | BU |  | 54,685,714 | PAC I | 7.00 | FIX | 38373 QZ P 9 | July 2029 |
|  |  | BV |  | 51,040,000 | PAC I | 7.50 | FIX | 38373 QZQ 7 | July 2029 |
|  |  | BW |  | 47,850,000 | PAC I | 8.00 | FIX | 38373 QZ R 5 | July 2029 |
|  |  | BY |  | 69,600,000 | PAC I | 4.50 | FIX | 38373 QZ S 3 | July 2029 |
|  |  | IW |  | 69,600,000 | NTL (PAC I) | 5.50 | FIX/IO | 38373 QZ T 1 | July 2029 |
| Combination 7(6) |  |  |  |  |  |  |  |  |  |
| CB | \$ 30,300,000 | CH |  | 30,300,000 | PAC I | 4.50\% | FIX | 38373 QZ U 8 | July 2030 |
|  |  | CL |  | 30,300,000 | PAC I | 5.00 | FIX | 38373 QZ V 6 | July 2030 |
|  |  | IH |  | 5,509,090 | NTL (PAC I) | 5.50 | FIX/IO | 38373QZW 4 | July 2030 |
| Combination 8(6) |  |  |  |  |  |  |  |  |  |
| CD | \$ 82,750,000 | CN | \$ | 82,750,000 | PAC I | 4.50\% | FIX | 38373 QZ X 2 | November 2032 |
|  |  | CY |  | 82,750,000 | PAC I | 5.00 | FIX | 38373QZ Y 0 | November 2032 |
|  |  | IN |  | 15,045,454 | NTL (PAC I) | 5.50 | FIX/IO | 38373 QZ Z 7 | November 2032 |


| REMIC Securities |  | MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | $\begin{array}{c}\text { Original Class } \\ \text { Principal Balance }\end{array}$ | Related <br> MX Class | Maximum Original Class Principal Balance or Class Notion Balance(2) | Principal Type (3) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | Final Distribution Date(4) |
| Combination 9(6) |  |  |  |  |  |  |  |  |
| JA | \$ 78,400,000 | IJ | \$ 78,400,000 | NTL(NSJ/PAC II/AD) | 5.50\% | FIX/IO | 38373QA 27 | March 2033 |
|  |  | JC | 78,400,000 | NSJ/PAC II/AD | 3.50 | FIX | 38373QA 35 | March 2033 |
|  |  | JD | 78,400,000 | NSJ/PAC II/AD | 3.75 | FIX | 38373QA 43 | March 2033 |
|  |  | JE | 78,400,000 | NSJ/PAC II/AD | 4.00 | FIX | 38373QA 50 | March 2033 |
|  |  | JG | 78,400,000 | NSJ/PAC II/AD | 4.25 | FIX | 38373QA 68 | March 2033 |
|  |  | JH | 78,400,000 | NSJ/PAC II/AD | 4.50 | FIX | 38373QA 76 | March 2033 |
|  |  | JK | 78,400,000 | NSJ/PAC II/AD | 4.75 | FIX | 38373QA 84 | March 2033 |
|  |  | JL | 78,400,000 | NSJ/PAC II/AD | 5.00 | FIX | 38373QA 92 | March 2033 |
|  |  | JM | 78,400,000 | NSJ/PAC II/AD | 5.25 | FIX | 38373 QB 26 | March 2033 |
|  |  | JN | 71,866,666 | NSJ/PAC II/AD | 6.00 | FIX | 38373 QB 34 | March 2033 |
|  |  | JO | 78,400,000 | NSJ/PAC II/AD | 0.00 | PO | 38373 QB 42 | March 2033 |
|  |  | JT | 66,338,461 | NSJ/PAC II/AD | 6.50 | FIX | 38373 QB 59 | March 2033 |
|  |  | JU | 61,600,000 | NSJ/PAC II/AD | 7.00 | FIX | 38373 QB 67 | March 2033 |
|  |  | JV | 57,493,333 | NSJ/PAC II/AD | 7.50 | FIX | 38373 QB 75 | March 2033 |
|  |  | JW | 53,900,000 | NSJ/PAC II/AD | 8.00 | FIX | 38373 QB 83 | March 2033 |
| Security Group 3 |  |  |  |  |  |  |  |  |
| Combination 10 (6) |  |  |  |  |  |  |  |  |
| LA | \$122,047,367 | IL | \$ 88,761,721 | NTL (PAC) | 5.50\% | FIX/IO | 38373QB 91 | February 2029 |
|  |  | LE | 122,047,367 | PAC | 3.50 | FIX | 38373QC 25 | February 2029 |
|  |  | LG | 122,047,367 | PAC | 3.75 | FIX | 38373QC 33 | February 2029 |
|  |  | LH | 114,868,110 | PAC | 4.25 | FIX | 38373QC 41 | February 2029 |
|  |  | LJ | 108,486,548 | PAC | 4.50 | FIX | 38373QC 58 | February 2029 |
|  |  | LK | 102,776,730 | PAC | 4.75 | FIX | 38373 QC 66 | February 2029 |
|  |  | LM | 97,637,893 | PAC | 5.00 | FIX | 38373 QC 74 | February 2029 |
|  |  | LN | 92,988,470 | PAC | 5.25 | FIX | 38373QC 82 | February 2029 |
|  |  | LO | 122,047,367 | PAC | 0.00 | PO | 38373 QC 90 | February 2029 |
|  |  | LT | 88,761,721 | PAC | 5.50 | FIX | 38373QD 24 | February 2029 |
| Combination 11 (6) |  |  |  |  |  |  |  |  |
| LB | \$ 17,150,356 | IB | \$ 17,150,356 | NTL (PAC) | 5.50\% | FIX/IO | 38373 QD 32 | March 2030 |
|  |  | LP | 17,150,356 | PAC | 0.00 | PO | 38373QD 40 | March 2030 |
|  |  | LU | 17,150,356 | PAC | 5.00 | FIX | 38373 QD 57 | March 2030 |
|  |  | LV | 17,150,356 | PAC | 5.25 | FIX | 38373 QD 65 | March 2030 |
|  |  | LX | 15,721,159 | PAC | 6.00 | FIX | 38373 QD 73 | March 2030 |
|  |  | LY | 13,475,279 | PAC | 7.00 | FIX | 38373QD 81 | March 2030 |


| REmIC Securities |  |  | MX Securities |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class |  | Original Class incipal Balance | Related MX Class |  | Maximum Original Class incipal Balance Class Notional Balance(2) | Principal Type(3) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination $12(6)$YV |  |  |  |  |  |  |  |  |  |  |
|  |  |  | IM | \$ | 35,630,627 | NTL (NSJ/TAC/AD) | 5.50\% | FIX/IO | 38373QD 99 | December 2018 |
|  |  |  | MA |  | 35,630,627 | NSJ/TAC/AD | 3.50 | FIX | 38373QE 23 | December 2018 |
|  |  |  | MB |  | 35,630,627 | NSJ/TAC/AD | 3.75 | FIX | 38373QE 31 | December 2018 |
|  |  |  | MC |  | 35,630,627 | NSJ/TAC/AD | 4.00 | FIX | 38373QE 49 | December 2018 |
|  |  |  | MD |  | 35,630,627 | NSJ/TAC/AD | 4.25 | FIX | 38373QE 56 | December 2018 |
|  |  |  | MG |  | 35,630,627 | NSJ/TAC/AD | 4.50 | FIX | 38373QE 64 | December 2018 |
|  |  |  | MH |  | 35,630,627 | NSJ/TAC/AD | 4.75 | FIX | 38373QE 72 | December 2018 |
|  |  |  | MJ |  | 35,630,627 | NSJ/TAC/AD | 5.00 | FIX | 38373QE 80 | December 2018 |
|  |  |  | MK |  | 35,630,627 | NSJ/TAC/AD | 5.25 | FIX | 38373QE 98 | December 2018 |
|  |  |  | ML |  | 32,661,408 | NSJ/TAC/AD | 6.00 | FIX | 38373QF 22 | December 2018 |
|  |  |  | MN |  | 30,148,992 | NSJ/TAC/AD | 6.50 | FIX | 38373QF 30 | December 2018 |
|  |  |  | MO |  | 35,630,627 | NSJ/TAC/AD | 0.00 | PO | 38373QF 48 | December 2018 |
|  |  |  | MT |  | 27,995,492 | NSJ/TAC/AD | 7.00 | FIX | 38373QF 55 | December 2018 |
|  |  |  | MU |  | 26,129,126 | NSJ/TAC/AD | 7.50 | FIX | 38373QF 63 | December 2018 |
|  |  |  | MV |  | 24,496,056 | NSJ/TAC/AD | 8.00 | FIX | 38373QF 71 | December 2018 |
| Security Group 4 |  |  |  |  |  |  |  |  |  |  |
| Combination 13 |  |  |  |  |  |  |  |  |  |  |
| NG | \$ | 23,000,000 | NA | \$ | 39,500,000 | PAC | 5.00\% | FIX | 38373QF 89 | March 2028 |
| NH |  | 16,500,000 |  |  |  |  |  |  |  |  |
| Combination 14 (6) |  |  |  |  |  |  |  |  |  |  |
| NG | \$ | 23,000,000 | IG | \$ | 9,200,000 | NTL (PAC) | 5.00\% | FIX/IO | 38373QF 97 | October 2024 |
|  |  |  | NJ |  | 23,000,000 | PAC | 3.00 | FIX | 38373QG 21 | October 2024 |
|  |  |  | NK |  | 23,000,000 | PAC | 3.50 | FIX | 38373QG 39 | October 2024 |
|  |  |  | NL |  | 23,000,000 | PAC | 3.75 | FIX | 38373QG 47 | October 2024 |
|  |  |  | NM |  | 23,000,000 | PAC | 4.00 | FIX | 38373QG 54 | October 2024 |
|  |  |  | NO |  | 23,000,000 | PAC | 4.25 | FIX | 38373QG 62 | October 2024 |
|  |  |  | NP |  | 23,000,000 | PAC | 4.50 | FIX | 38373QG 70 | October 2024 |
| Combination 15(6) |  |  |  |  |  |  |  |  |  |  |
| NH | \$ | 16,500,000 | IU | \$ | 6,600,000 | NTL (PAC) | 5.00\% | FIX/IO | 38373QG 88 | March 2028 |
|  |  |  | NT |  | 16,500,000 | PAC | 3.00 | FIX | 38373QG 96 | March 2028 |
|  |  |  | NU |  | 16,500,000 | PAC | 3.50 | FIX | 38373 QH 20 | March 2028 |
|  |  |  | NV |  | 16,500,000 | PAC | 3.75 | FIX | 38373 QH 38 | March 2028 |
|  |  |  | NW |  | 16,500,000 | PAC | 4.00 | FIX | 38373QH 46 | March 2028 |
|  |  |  | NX |  | 16,500,000 | PAC | 4.25 | FIX | 38373 QH 53 | March 2028 |
|  |  |  | NY |  | 16,500,000 | PAC | 4.50 | FIX | 38373QH 61 | March 2028 |

REMIC Securities


# Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$ 

Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 2004-017

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page $\mathrm{S}-10$ which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

## The Ginnie Mae Guaranty

Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

The Trust and its Assets
The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be March 30, 2004.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## Ginnie Mae REMIC Trust 2004-017

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | Original Principal Balance(2) | Interest Rate | Principal <br> Type(3) | Interest <br> Type(3) | Final Distribution Date $(4)$ Date(4) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| AS | \$ 1,100,000 | (5) | SUP | INV/DLY | July 2032 | $38374 \mathrm{FYA6}$ |
| GA(1) | 50,000,000 | 5.5\% | PAC/AD | FIX | October 2022 | 38374 FYB 4 |
| GB (1) | 62,000,000 | 5.5 | PAC/AD | FIX | March 2026 | 38374 FYC 2 |
| GC(1) | 100,000,000 | 5.5 | PAC/AD | FIX | July 2030 | 38374 FYD 0 |
| GD (1) | 23,000,000 | 5.5 | PAC/AD | FIX | June 2031 | 38374 FYE 8 |
| GE (1) | 20,000,000 | 5.5 | PAC/AD | FIX | February 2032 | 38374 FYF 5 |
| KA | 49,627,000 | 5.5 | SUP | FIX | July 2032 | 38374 FYG 3 |
| KB | 27,666,000 | 5.5 | SUP | FIX | July 2033 | $38374 \mathrm{FYH1}$ |
| KC | 3,832,000 | 5.5 | SUP | FIX | September 2033 | $38374 \mathrm{FYJ7}$ |
| KD | 15,632,511 | 5.5 | SUP | FIX | March 2034 | 38374FYK4 |
| KE | 4,500,000 | 5.0 | SUP | FIX | July 2032 | 38374 FYL 2 |
| KF | 6,375,000 | (5) | SUP | FLT/DLY | July 2032 | $38374 \mathrm{FYM0}$ |
| KG | 4,500,000 | 6.0 | SUP | FIX | July 2032 | $38374 \mathrm{FYN8}$ |
| KH | 10,220,000 | 5.5 | TAC | FIX | July 2032 | 38374 FYP 3 |
| KJ | 4,380,000 | 5.5 | SUP | FIX | July 2032 | $38374 \mathrm{FYQ1}$ |
| KS | 5,000,000 | (5) | SUP | INV/DLY | July 2032 | $38374 \mathrm{FYR9}$ |
| MZ | 12,167,489 | 5.5 | PAC | FIX / Z | March 2034 | $38374 \mathrm{FYS7}$ |
| Security Group 2 |  |  |  |  |  |  |
| HF (1) | 197,142,857 | (5) | NTL (PAC/AD) | FLT/IO | December 2033 | $38374 \mathrm{FYT5}$ |
| HP (1) | 230,000,000 | 0.0 | PAC/AD | PO | December 2033 | 38374 FYU 2 |
| HS(1) | 197,142,857 | (5) | NTL (PAC/AD) | INV/IO | December 2033 | 38374 FYVO |
| HZ | 1,000,000 | 6.0 | PAC/AD | FIX/Z | March 2034 | 38374 FYW 8 |
| ZH | 39,000,000 | 6.0 | SUP | FIX / Z | March 2034 | $38374 \mathrm{FYX6}$ |
| Security Group 3 |  |  |  |  |  |  |
| EA (1) | 3,333,333 | 0.0 | PAC/AD | PO | March 2034 | 38374 FYY 4 |
| FA | 20,000,000 | (5) | PAC/AD | FLT | March 2034 | $38374 \mathrm{FYZ1}$ |
| QA (1) | 20,000,000 | (5) | NTL (PAC/AD) | INV/IO | March 2034 | $38374 \mathrm{FZA5}$ |
| ZC (1) | 2,676,025 | 6.0 | SUP | FIX / Z | March 2034 | 38374 FZB 3 |
| Security Group 4 |  |  |  |  |  |  |
| EB (1) | 6,666,667 | 0.0 | PAC/AD | PO | March 2034 | $38374 \mathrm{FZC1}$ |
| FN | 20,000,000 | (5) | PAC/AD | FLT | March 2034 | 38374 FZD 9 |
| FT | 20,000,000 | (5) | PAC/AD | FLT | March 2034 | 38374 FZE 7 |
| QB (1) | 40,000,000 | (5) | NTL (PAC/AD) | INV/IO | March 2034 | 38374 FZF 4 |
| ZB(1) | 5,509,344 | 6.0 | SUP | FIX / Z | March 2034 | 38374 FZG 2 |
| Security Group 5 |  |  |  |  |  |  |
| BA | 39,980,000 | 4.5 | SC/SEQ | FIX | December 2026 | 38374 FZH 0 |
| BC | 2,290,265 | 4.5 | SC/SEQ | FIX | December 2026 | 38374 FZJ 6 |
| Security Group 6 |  |  |  |  |  |  |
| BD (1) | 5,400,000 | 5.0 | SC/SEQ | FIX | April 2033 | 38374 FZK 3 |
| BE (1) | 4,600,000 | 5.0 | SC/SEQ | FIX | April 2033 | $38374 \mathrm{FZL1}$ |
| Security Group 7 |  |  |  |  |  |  |
| FI(1) | 117,699,750 | (5) | NTL(SEQ) | FLT/IO | March 2029 | 38374 FZM 9 |
| LP(1) | 164,779,650 | 0.0 | SEQ | PO | March 2029 | 38374 FZN 7 |
| LV(1) | 20,720,350 | 5.0 | AD/SEQ | FIX | May 2015 | 38374 FZP 2 |
| LW(1) | 31,500,000 | 5.0 | SEQ/AD | FIX | May 2025 | $38374 \mathrm{FZQ0}$ |
| LZ(1) | 28,000,000 | 5.0 | SEQ | FIX/Z | March 2034 | $38374 \mathrm{FZR8}$ |
| QI(1) | 117,699,750 | (5) | NTL(SEQ) | INV/IO | March 2029 | 38374 FZS 6 |
| Residuals |  |  |  |  |  |  |
| RR1. | 0 | 0.0 | NPR | NPR | March 2034 | 38374 FZT 4 |
| RR7. | 0 | 0.0 | NPR | NPR | March 2034 | $38374 \mathrm{FZU1}$ |

(1) These Securities may be exchanged for MX Securities described in Schedule I.
(2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for each Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of each Notional Class will be reduced is indicated in parentheses.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(5) See "Terms Sheet - Interest Rates" in this Supplement.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Citigroup Global Markets Inc.
Trustee: Wells Fargo Bank, N.A.
Tax Administrator: The Trustee
Closing Date: March 30, 2004
Distribution Dates: For the Group 1, 3 and 4 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in April 2004. For the Group 2, 6 and 7 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in April 2004. For the Group 5 Securities, the 17th day of each month or, if the 17th day is not a Business Day, the first Business Day thereafter, commencing in April 2004.

Trust Assets:

| Trust <br> Asset Group | Trust Asset Type | Certificate Rate | Original Term <br> To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae I | 5.5\% | 30 |
| 2 | Ginnie Mae II | 6.0 | 30 |
| 3 | Ginnie Mae I | 6.0 | 30 |
| 4 | Ginnie Mae I | 6.0 | 30 |
| 5 | Underlying Certificate | (1) | (1) |
| 6 | Underlying Certificate | (1) | (1) |
| 7 | Ginnie Mae II | 5.0 | 30 |

${ }^{(1)}$ Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.
Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4 and 7 Trust Assets ${ }^{1}$ :

| Principal Balance ${ }^{2}$ | Weighted Average Remaining Term to Maturity (in months) | Weighted Average Loan Age (in months) | $\qquad$ |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets |  |  |  |
| Group 2 Trus \$220,000,000 50,000,000 | ssets $\begin{array}{r} \\ \\ 350 \\ \\ \\ \\ \end{array}$ | $\begin{aligned} & 5 \\ & 8 \end{aligned}$ | $\begin{aligned} & 6.433 \% \\ & 6.480 \% \end{aligned}$ |
| \$270,000,000 |  |  |  |
| Group 3 Trust Assets |  |  |  |
| Group 4 Trus $\$ 52,176,011$ | sets 351 | 3 | 6.500\% |
| Group 7 Trus $\$ 245,000,000$ | ssets 350 | 4 | 5.450\% |
| ${ }^{2}$ Does not include Group 1 Trust Assets that will be added to pay the Trustee Fee. |  |  |  |
| ${ }^{3}$ The Mortgag bear interes related Cert | oans underlying the rates ranging from Rate. | up 2 and Group $\%$ to $1.50 \%$ per | Assets may $m$ above the |

The actual remaining terms to maturity, loan ages and, in the case of the Group 2 and 7 Trust Assets, Mortgage Rates of many of the Mortgage Loans underlying the Group 1, 2, 3, 4 and 7 Trust Assets will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trusts.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.
Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Interest Only or Inverse Floating Rate Class. See "Description of the Securities - Form of Securities" in this Supplement.
Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula(1) | Initial Interest Rate(2) | $\begin{gathered} \text { Minimum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AS | 10.50\% - (LIBOR $\times 1.25$ ) | 9.125\% | 3.00\% | 10.500\% | 15 | 6.00\% |
| FA | LIBOR + 0.30\% | 1.400\% | 0.30\% | 7.000\% | 0 | 0.00\% |
| FH | LIBOR + 0.36\% | 1.460\% | 0.36\% | 7.000\% | 0 | 0.00\% |
| FI | LIBOR + 0.40\% | 1.500\% | 0.40\% | 7.000\% | 0 | 0.00\% |
| FN | LIBOR + 0.30\% | 1.400\% | 0.30\% | 7.000\% | 0 | 0.00\% |
| FT | LIBOR + 0.30\% | 1.400\% | 0.30\% | 7.000\% | 0 | 0.00\% |
| HF | LIBOR + 0.36\% | 1.460\% | 0.36\% | 7.000\% | 0 | 0.00\% |
| HS | 6.64\% - LIBOR | 5.540\% | 0.00\% | 6.640\% | 0 | 6.64\% |
| KF | LIBOR + 1.50\% | 2.600\% | 1.50\% | 7.500\% | 15 | 0.00\% |
| KS | 9.50\% - LIBOR | 8.400\% | 3.50\% | 9.500\% | 15 | 6.00\% |
| LF | LIBOR + 0.40\% | 1.500\% | 0.40\% | 7.000\% | 0 | 0.00\% |
| LS | 16.50\% - (LIBOR $\times 2.50$ ) | 13.750\% | 0.00\% | 16.500\% | 0 | 6.60\% |
| QA | 6.70\% - LIBOR | 5.600\% | 0.00\% | 6.700\% | 0 | 6.70\% |
| QB | 6.70\% - LIBOR | 5.600\% | 0.00\% | 6.700\% | 0 | 6.70\% |
| QC | 13.40\% - (LIBOR $\times 2.00$ ) | 11.200\% | 0.00\% | 13.400\% | 0 | 6.70\% |
| QD | 40.20\% - (LIBOR $\times 6.00$ ) | 33.600\% | 0.00\% | 40.200\% | 0 | 6.70\% |
| QE | 6.70\% - LIBOR | 5.600\% | 0.00\% | 6.700\% | 0 | 6.70\% |
| QG | 10.05\% - (LIBOR $\times 1.50$ ) | 8.400\% | 0.00\% | 10.050\% | 0 | 6.70\% |
| QH | $11.725 \%-($ LIBOR $\times 1.75)$ | 9.800\% | 0.00\% | 11.725\% | 0 | 6.70\% |
| QI | 6.60\% - LIBOR | 5.500\% | 0.00\% | 6.600\% | 0 | 6.60\% |
| QK | 16.75\% - (LIBOR $\times 2.50$ ) | 14.000\% | 0.00\% | 16.750\% | 0 | 6.70\% |
| QL | 20.10\% - (LIBOR $\times 3.00$ ) | 16.800\% | 0.00\% | 20.100\% | 0 | 6.70\% |
| QM | 26.80\% - (LIBOR $\times 4.00$ ) | 22.400\% | 0.00\% | 26.800\% | 0 | 6.70\% |
| QN | 6.70\% - LIBOR | 5.600\% | 0.00\% | 6.700\% | 0 | 6.70\% |
| QS | 13.40\% - (LIBOR $\times 2.00$ ) | 11.200\% | 0.00\% | 13.400\% | 0 | 6.70\% |
| QT | 40.20\% - (LIBOR $\times 6.00$ ) | 33.600\% | 0.00\% | 40.200\% | 0 | 6.70\% |
| SA | 13.40\% - (LIBOR $\times 2.00$ ) | 11.200\% | 0.00\% | 13.400\% | 0 | 6.70\% |
| SB | 10.05\% - (LIBOR $\times 1.50$ ) | 8.400\% | 0.00\% | 10.050\% | 0 | 6.70\% |
| SC | 40.20\% - (LIBOR $\times 6.00$ ) | 33.600\% | 0.00\% | 40.200\% | 0 | 6.70\% |
| SD | 20.10\% - (LIBOR $\times 3.00$ ) | 16.800\% | 0.00\% | 20.100\% | 0 | 6.70\% |
| SE | 26.80\% - (LIBOR $\times 4.00$ ) | 22.400\% | 0.00\% | 26.800\% | 0 | 6.70\% |
| SF | 16.75\% - (LIBOR $\times 2.50$ ) | 14.000\% | 0.00\% | 16.750\% | 0 | 6.70\% |

(1) LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

A percentage of the Group 1 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 1 Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount") and the MZ Accrual Amount will be allocated as follows:

- The MZ Accrual Amount, sequentially, to GA, GB, GC, GD, GE and MZ, in that order, until retired
- The Group 1 Adjusted Principal Distribution Amount in the following order of priority:

1. Sequentially, to GA, GB, GC, GD, GE and MZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Concurrently:
a. 82.9642248722 , concurrently, to $\mathrm{AS}, \mathrm{KA}, \mathrm{KE}, \mathrm{KF}, \mathrm{KG}$ and KS , pro rata, until retired
b. $17.0357751278 \%$ in the following order of priority:
i. To KH, until reduced to its Scheduled Principal Balance for that Distribution Date
ii. To KJ, until retired
iii. To KH, without regard to its Scheduled Principal Balances, until retired
3. Sequentially, to $\mathrm{KB}, \mathrm{KC}$ and KD , in that order, until retired
4. Sequentially, to GA, GB, GC, GD, GE and MZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 2

The Group 2 Principal Distribution Amount and the HZ and ZH Accrual Amounts will be allocated as follows:

- The HZ Accrual Amount, sequentially, to HP and HZ, in that order, until retired
- The Group 2 Principal Distribution Amount and the ZH Accrual Amount in the following order of priority:

1. Sequentially, to HP and HZ, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZH , until retired
3. Sequentially, to HP and HZ, in that order, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 3

The Group 3 Principal Distribution Amount and the ZC Accrual Amount will be allocated in the following order of priority:

1. Concurrently, to EA and FA , pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZC , until retired
3. Concurrently, to EA and FA, pro rata, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 4

The Group 4 Principal Distribution Amount and the ZB Accrual Amount will be allocated in the following order of priority:

1. Concurrently, to $\mathrm{EB}, \mathrm{FN}$ and FT , pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZB , until retired
3. Concurrently, to EB, FN and FT, pro rata, without regard to their Aggregate Scheduled Principal Balances, until retired

## SECURITY GROUP 5

The Group 5 Principal Distribution Amount will be allocated, sequentially, to BA and BC, in that order, until retired

## SECURITY GROUP 6

The Group 6 Principal Distribution Amount will be allocated, sequentially, to BD and BE , in that order, until retired

## SECURITY GROUP 7

The Group 7 Principal Distribution Amount and the LZ Accrual Amount will be allocated as follows:

- The LZ Accrual Amount, sequentially, to LV, LW and LZ, in that order, until retired
- The Group 7 Principal Distribution Amount, sequentially, to LP, LV, LW and LZ, in that order, until retired

Scheduled Principal Balances: The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges or Rate:

| Class | Structuring Ranges or Rate |
| :---: | :---: |
| GA, GB, GC, GD, GE and MZ (in the aggregate) | 125\% PSA through 340\% PSA |
| HP and HZ (in the aggregate) | 273\% PSA through 400\% PSA |
| EA and FA (in the aggregate) | 170\% PSA through 230\% PSA |
| EB, FN and FT (in the aggregate) | 200\% PSA through 270\% PSA |
| KH | 150\% PSA |

Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."
Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| FI | \$117,699,750 | $71.4285714286 \%$ of LP (SEQ Class) |
| HF | \$197,142,857 | 85.7142857143\% of HP (PAC/AD Class) |
| HI | \$230,000,000 | 100\% of HP (PAC/AD Class) |
| HS | \$197,142,857 | 85.7142857143\% of HP (PAC/AD Class) |
| IA | \$ 22,727,272 | $45.4545454545 \%$ of GA (PAC/AD Class) |
| IB | \$ 28,181,818 | $45.4545454545 \%$ of GB (PAC/AD Class) |
| IC | \$ 45,454,545 | $45.4545454545 \%$ of GC (PAC/AD Class) |
| ID | \$ 4,181,818 | 18.1818181818\% of GD (PAC/AD Class) |
| IE | \$ 3,636,363 | 18.1818181818\% of GE (PAC/AD Class) |
| IT | \$ 96,363,636 | $45.4545454545 \%$ of GA, GB and GC (PAC/AD Classes) |
| IU | \$ 7,818,181 | 18.1818181818\% of GD and GE (PAC/AD Classes) |
| LI. | \$164,779,650 | 100\% of LP (SEQ Class) |
| MI | \$115,909,090 | $45.4545454545 \%$ of GA, GB, GC, GD and GE (PAC/AD Classes) |
| NI | \$ 50,909,090 | 45.4545454545 \% of GA and GB (PAC/AD Classes) |
| QA | \$ 20,000,000 | 100\% of FA (PAC/AD Class) |
| QB | \$ 40,000,000 | 100\% of FN and FT (PAC/AD Classes) |
| QI | \$117,699,750 | $71.4285714286 \%$ of LP (SEQ Class) |
| QN | \$ 60,000,000 | 100\% of FA, FN and FT (PAC/AD Classes) |

Tax Status: Double REMIC Series. Separate REMIC elections will be made for the Issuing REMIC and Pooling REMIC with respect to the Group 1 through 6 Trust Assets (the "Group 1-6 Issuing REMIC" and the "Group 1-6 Pooling REMIC") and for the Issuing REMIC and Pooling REMIC with respect to the Group 7 Trust Assets (the "Group 7 Issuing REMIC" and the "Group 7 Pooling REMIC").

Regular and Residual Classes: Class RR1 is a Residual Class and includes the Residual Interest of the Group 1-6 Issuing REMIC and the Group 1-6 Pooling REMIC; Class RR7 is a Residual Class and includes the Residual Interest of the Group 7 Issuing REMIC and the Group 7 Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.
Schedule I

|  |  |  | $\begin{aligned} & \text { ò } \\ & \stackrel{y}{n} \\ & \vdots \\ & \vdots \end{aligned}$ | $\begin{aligned} & \text { N} \\ & \text { N } \\ & \text { N } \\ & \text { N } \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | $\begin{aligned} & \text { N} \\ & \text { N } \\ & \text { N } \\ & \text { N } \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ | añaycian <br>  <br>  $\bigcirc 000000$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \stackrel{\sim}{n} \\ & \underset{y}{4} \\ & \stackrel{y}{\wedge} \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \stackrel{N}{3} \\ & \underset{y}{4} \\ & \stackrel{y}{\infty} \\ & \infty \\ & \infty \end{aligned}$ | $\begin{aligned} & \text { n } \\ & \text { x } \\ & \underset{\sim}{4} \\ & \underset{\sim}{\infty} \end{aligned}$ | $\begin{aligned} & \infty \\ & \underset{y}{n} \\ & \underset{\sim}{4} \\ & \stackrel{\infty}{\infty} \\ & \sim \end{aligned}$ |  |  |
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| : | \| | $\begin{aligned} & \text { oे } \\ & \text { in } \\ & \text { in } \end{aligned}$ | $\begin{aligned} & \text { oे } \\ & \text { in } \\ & \text { in } \end{aligned}$ | $\begin{aligned} & \text { o̊ } \\ & \text { in } \\ & \text { in } \end{aligned}$ | $\begin{aligned} & \text { o̊ } \\ & \text { in } \\ & \text { in } \end{aligned}$ |  | $\begin{aligned} & \text { ologoin oin } \\ & \text { oing inn } 8 \text { in } \\ & \text { mintitinin } \end{aligned}$ |
| $\begin{aligned} & \text { E} \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \\ & 0 \end{aligned}$ |  | $\underset{\substack{4 \\ 0}}{\substack{4 \\ \hline}}$ | $\underset{\substack{4 \\ \hline}}{\stackrel{y}{4}}$ | $\underset{\substack{4 \\ 0}}{\substack{4 \\ \hline}}$ | $\underset{\substack{4 \\ U}}{\substack{\text { O}}}$ |  |  |
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REMIC Securities

| Class | Original Class Principal Balance or Class Notional Balance | Mx |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{array}{c}\text { Related } \\ \text { MX Class }\end{array}$ | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type(3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type( } 3 \text { ) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination 7 (5) |  |  |  |  |  |  |  |  |
| GC | \$100,000,000 | CA | \$100,000,000 | PAC/AD | 3.00\% | FIX | 38374 FB 78 | July 2030 |
|  |  | CB | 100,000,000 | PAC/AD | 3.50 | FIX | 38374 FB 86 | July 2030 |
|  |  | CD | 100,000,000 | PAC/AD | 4.00 | FIX | 38374 FB 94 | July 2030 |
|  |  | CE | 100,000,000 | PAC/AD | 4.50 | FIX | 38374 FC 28 | July 2030 |
|  |  | CG | 100,000,000 | PAC/AD | 4.75 | FIX | 38374 FC 36 | July 2030 |
|  |  | CH | 100,000,000 | PAC/AD | 5.00 | FIX | 38374 FC 44 | July 2030 |
|  |  | IC | 45,454,545 | NTL (PAC/AD) | 5.50 | FIX/IO | 38374 FC 51 | July 2030 |
| Combination 8 (5) |  |  |  |  |  |  |  |  |
| GD | \$ 23,000,000 | CK | \$ 23,000,000 | PAC/AD | 4.50\% | FIX | 38374 FC 69 | June 2031 |
|  |  | CL | 23,000,000 | PAC/AD | 4.75 | FIX | 38374 FC 77 | June 2031 |
|  |  | CM | 23,000,000 | PAC/AD | 5.00 | FIX | 38374 FC 85 | June 2031 |
|  |  | ID | 4,181,818 | NTL (PAC/AD) | 5.50 | FIX/IO | 38374 FC 93 | June 2031 |
| Combination 9 (5) |  |  |  |  |  |  |  |  |
| GE | \$ 20,000,000 | CN | \$ 20,000,000 | PAC/AD | 4.50\% | FIX | 38374 FD 27 | February 2032 |
|  |  | CT | 20,000,000 | PAC/AD | 4.75 | FIX | 38374 FD 35 | February 2032 |
|  |  | CU | 20,000,000 | PAC/AD | 5.00 | FIX | 38374 FD 43 | February 2032 |
|  |  | IE | 3,636,363 | NTL (PAC/AD) | 5.50 | FIX/IO | 38374 FD 50 | February 2032 |
| Combination 10 (5) |  |  |  |  |  |  |  |  |
| MK (6) | \$112,000,000 | NA | \$112,000,000 | PAC/AD | 3.00\% | FIX | 38374 FD 68 | March 2026 |
|  |  | NB | 112,000,000 | PAC/AD | 3.50 | FIX | 38374 FD 76 | March 2026 |
|  |  | NC | 112,000,000 | PAC/AD | 4.00 | FIX | 38374 FD 84 | March 2026 |
|  |  | ND | 112,000,000 | PAC/AD | 4.50 | FIX | 38374 FD 92 | March 2026 |
|  |  | NE | 112,000,000 | PAC/AD | 4.75 | FIX | 38374 FE 26 | March 2026 |
|  |  | NG | 112,000,000 | PAC/AD | 5.00 | FIX | 38374 FE 34 | March 2026 |
|  |  | NI | 50,909,090 | NTL (PAC/AD) | 5.50 | FIX/IO | 38374 FE 42 | March 2026 |
| Combination 11 (5) |  |  |  |  |  |  |  |  |
| MT (6) | \$212,000,000 | NJ | \$212,000,000 | PAC/AD | 3.00\% | FIX | 38374 FE 59 | July 2030 |
|  |  | NK | 212,000,000 | PAC/AD | 3.50 | FIX | 38374 FE 67 | July 2030 |
|  |  | NL | 212,000,000 | PAC/AD | 4.00 | FIX | 38374 FE 75 | July 2030 |
|  |  | NM | 212,000,000 | PAC/AD | 4.50 | FIX | 38374 FE 83 | July 2030 |
|  |  | NT | 212,000,000 | PAC/AD | 4.75 | FIX | 38374 FE 91 | July 2030 |
|  |  | NU | 212,000,000 | PAC/AD | 5.00 | FIX | 38374 FF 25 | July 2030 |
|  |  | IT | 96,363,636 | NTL (PAC/AD) | 5.50 | FIX/IO | 38374 FF 33 | July 2030 |

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| REMIC Securities |  | MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | $\begin{aligned} & \text { Related } \\ & \text { MX Class } \end{aligned}$ | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type (3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ |
| Combination 12 (5) |  |  |  |  |  |  |  |  |
| MU (6) | \$ 43,000,000 | NV | \$ 43,000,000 | PAC/AD | 4.50\% | FIX | 38374 FF 41 | February 2032 |
|  |  | NW | 43,000,000 | PAC/AD | 4.75 | FIX | 38374 FF 58 | February 2032 |
|  |  | NX | 43,000,000 | PAC/AD | 5.00 | FIX | 38374 FF 66 | February 2032 |
|  |  | IU | 7,818,181 | NTL (PAC/AD) | 5.50 | FIX/IO | 38374 FF 74 | February 2032 |
| Combination 13 (5) |  |  |  |  |  |  |  |  |
| MX (6) | \$255,000,000 | MA | \$255,000,000 | PAC/AD | 5.00\% | FIX | 38374 FF 82 | February 2032 |
|  |  | MB | 255,000,000 | PAC/AD | 4.50 | FIX | 38374 FF 90 | February 2032 |
|  |  | MC | 255,000,000 | PAC/AD | 4.00 | FIX | 38374 FG 24 | February 2032 |
|  |  | MD | 255,000,000 | PAC/AD | 3.50 | FIX | 38374 FG 32 | February 2032 |
|  |  | ME | 255,000,000 | PAC/AD | 3.00 | FIX | 38374 FG 40 | February 2032 |
|  |  | ML | 255,000,000 | PAC/AD | 4.75 | FIX | 38374 FG 57 | February 2032 |
|  |  | MI | 115,909,090 | NTL (PAC/AD) | 5.50 | FIX/IO | 38374 FG 65 | February 2032 |
| Security Group 2 |  |  |  |  |  |  |  |  |
| Combination 14 |  |  |  |  |  |  |  |  |
| HF | \$ 98,571,429 | HA | \$230,000,000 | PAC/AD | 3.00\% | FIX | 38374 FG 73 | December 2033 |
| HP | 230,000,000 |  |  |  |  |  |  |  |
| HS | 98,571,429 |  |  |  |  |  |  |  |
| Combination 15 |  |  |  |  |  |  |  |  |
| HF | \$115,000,000 | HB | \$230,000,000 | PAC/AD | 3.50\% | FIX | 38374 FG 81 | December 2033 |
| HP | 230,000,000 |  |  |  |  |  |  |  |
| HS | 115,000,000 |  |  |  |  |  |  |  |
| Combination 16 |  |  |  |  |  |  |  |  |
| HF | \$123,214,286 | HC | \$230,000,000 | PAC/AD | 3.75\% | FIX | 38374 FG 99 | December 2033 |
| HP | 230,000,000 |  |  |  |  |  |  |  |
| HS | 123,214,286 |  |  |  |  |  |  |  |
| Combination 17 |  |  |  |  |  |  |  |  |
| HF | \$131,428,572 | HD | \$230,000,000 | PAC/AD | 4.00\% | FIX | 38374 FH 23 | December 2033 |
| HP | 230,000,000 |  |  |  |  |  |  |  |
| HS | 131,428,572 |  |  |  |  |  |  |  |
| Combination 18 ( |  |  |  |  |  |  |  |  |
| HF | \$139,642,858 | HE | \$230,000,000 | PAC/AD | 4.25\% | FIX | 38374 FH 31 | December 2033 |
| HP | 230,000,000 |  |  |  |  |  |  |  |
| HS | 139,642,858 |  |  |  |  |  |  |  |
| Combination 19 |  |  |  |  |  |  |  |  |
| HF | \$147,857,143 | HG | \$230,000,000 | PAC/AD | 4.50\% | FIX | 38374 FH 49 | December 2033 |
| HP | 230,000,000 |  |  |  |  |  |  |  |
| HS | 147,857,143 |  |  |  |  |  |  |  |

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| Class | Original Class Principal Balance or Class Notional Balance | $\quad \begin{gathered}\text { Related } \\ \text { MX Class }\end{gathered}$ | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type(3) | Interest | $\begin{array}{l}\text { Interest } \\ \text { Type(3) }\end{array}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date }(4) \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Combination 20 |  |  |  |  |  |  |  |  |
| HF | \$156,071,429 | HJ | \$230,000,000 | PAC/AD | 4.75\% | FIX | 38374 FH 56 | December 2033 |
| HP | 230,000,000 |  |  |  |  |  |  |  |
| HS | 156,071,429 |  |  |  |  |  |  |  |
| Combination 21 |  |  |  |  |  |  |  |  |
| HF | \$164,285,715 | HK | \$230,000,000 | PAC/AD | 5.00\% | FIX | 38374 FH 64 | December 2033 |
| HP | 230,000,000 |  |  |  |  |  |  |  |
| HS | 164,285,715 |  |  |  |  |  |  |  |
| Combination 22 |  |  |  |  |  |  |  |  |
| HF | \$180,714,286 | HL | \$230,000,000 | PAC/AD | 5.50\% | FIX | 38374 FH 72 | December 2033 |
| HP | 230,000,000 |  |  |  |  |  |  |  |
| HS | 180,714,286 |  |  |  |  |  |  |  |
| Combination 23 |  |  |  |  |  |  |  |  |
| HF | \$197,142,857 | HM | \$230,000,000 | PAC/AD | 6.00\% | FIX | 38374 FH 80 | December 2033 |
| HP | 230,000,000 |  |  |  |  |  |  |  |
| HS | 197,142,857 |  |  |  |  |  |  |  |
| Combination 24 |  |  |  |  |  |  |  |  |
| HF | \$197,142,857 | HN | \$197,142,857 | PAC/AD | 7.00\% | FIX | 38374 FH 98 | December 2033 |
| HP | 197,142,857 |  |  |  |  |  |  |  |
| HS | 197,142,857 |  |  |  |  |  |  |  |
| Combination 25 |  |  |  |  |  |  |  |  |
| HF | \$197,142,857 | HI | \$230,000,000 | NTL (PAC/AD) | 6.00\% | FIX/IO | 38374 FJ 21 | December 2033 |
| HS | 197,142,857 |  |  |  |  |  |  |  |
| Combination 26 |  |  |  |  |  |  |  |  |
| HF | \$197,142,857 | FH | \$197,142,857 | PAC/AD | (7) | FLT | 38374 FJ 39 | December 2033 |
| HP | 197,142,857 |  |  |  |  |  |  |  |
| Security Group 3 |  |  |  |  |  |  |  |  |
| Combination 27 |  |  |  |  |  |  |  |  |
| EA | \$ 3,333,333 | SB | \$ 3,333,333 | PAC/AD | (7) | INV | 38374 FJ 47 | March 2034 |
| QA | 5,000,000 |  |  |  |  |  |  |  |
| Combination 28 |  |  |  |  |  |  |  |  |
| EA | \$ 3,333,333 | SA | \$ 3,333,333 | PAC/AD | (7) | INV | 38374 FJ 54 | March 2034 |
| QA | 6,666,666 |  |  |  |  |  |  |  |
| Combination 29 |  |  |  |  |  |  |  |  |
| EA | \$ 3,333,333 | SF | \$ 3,333,333 | PAC/AD | (7) | INV | 38374 FJ 62 | March 2034 |
| QA | 8,333,333 |  |  |  |  |  |  |  |

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Government National Mortgage Association GINNIE MAE ${ }^{\circledR}$

## Guaranteed REMIC Pass-Through Securities

 and MX SecuritiesGinnie Mae REMIC Trust 2002-60

The securities may not be suitable investments for you. You should consider carefully the risks of investing in them.

See "Risk Factors" beginning on page S-9 which highlights some of these risks.

## The Securities

The Trust will issue the Classes of Securities listed on the inside front cover.

The Ginnie Mae Guaranty
Ginnie Mae will guarantee the timely payment of principal and interest on the securities. The Ginnie Mae Guaranty is backed by the full faith and credit of the United States of America.

## The Trust and its Assets

The Trust will own (1) Ginnie Mae Certificates and (2) certain previously issued certificates.

The Sponsor and the Co-Sponsor will offer the securities from time to time in negotiated transactions at varying prices. We expect the closing date to be August 30, 2002.

You should read the Base Offering Circular as well as this Supplement.
The securities are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

Salomon Smith Barney Inc. The Williams Capital Group, L.P.
The date of this Offering Circular Supplement is August 23, 2002.

## Ginnie Mae REMIC Trust 2002-60

The Trust will issue the classes of securities listed in the table below. If you own exchangeable securities identified in the table, you can exchange them for the corresponding MX Securities, and vice versa.

| Class of REMIC Securities | $\begin{gathered} \begin{array}{c} \text { Original } \\ \text { Principal } \\ \text { Balance(2) } \end{array} \\ \hline \end{gathered}$ | Interest Rate | $\begin{aligned} & \text { Principal } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Interest } \\ \text { Type(3) } \\ \hline \end{gathered}$ | $\begin{gathered} \begin{array}{c} \text { Final Distribution } \\ \text { Date(4) } \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |
| KA (1) | \$ 50,000,000 | 6.00\% | SEQ / AD | FIX | March 2027 | 38373 VHC 7 |
| KZ | 4,711,430 | 6.00 | SEQ | FIX / Z | August 2032 | 38373 VHD 5 |
| Security Group 2 |  |  |  |  |  |  |
| FA | 14,000,000 | (5) | PT | FLT | August 2032 | 38373 VHE 3 |
| SA | 14,000,000 | (5) | NTL (PT) | INV/IO | August 2032 | 38373 VHF 0 |
| Security Group 3 |  |  |  |  |  |  |
| E | 50,000,000 | 6.00 | SEQ | FIX | November 2031 | 38373 VHG8 |
| G(1) | 39,600,000 | 6.00 | SEQ | FIX | September 2028 | 38373 VHH6 |
| H(1) | 43,230,000 | 6.00 | SEQ | FIX | March 2030 | 38373 VHJ 2 |
| J . . | 28,820,000 | 6.00 | SEQ | FIX | August 2032 | 38373 VHK9 |
| L(1) | 94,600,000 | 6.00 | SEQ | FIX | March 2027 | 38373 VHL 7 |
| LA | 1,375,000 | 5.75 | SEQ | FIX | February 2031 | 38373 VHM5 |
| LB | 1,375,000 | 6.25 | SEQ | FIX | February 2031 | 38373 VHN3 |
| LC | 1,125,000 | 5.75 | SEQ | FIX | November 2031 | 38373 VHP8 |
| LD. | 1,125,000 | 6.25 | SEQ | FIX | November 2031 | $38373 \mathrm{VHQ6}$ |
| T(1) | 183,700,000 | 6.00 | SEQ | FIX | September 2022 | 38373 VHR 4 |
| Security Group 4 |  |  |  |  |  |  |
| FB | 73,860,175 | (5) | PT | FLT | August 2032 | 38373 VHS 2 |
| SB | 73,860,175 | (5) | NTL(PT) | INV/IO | August 2032 | 38373 VHT0 |
| Security Group 5 |  |  |  |  |  |  |
| JI . . . . . . . . . . . . . | 22,415,289 | 6.50 | SC/NTL (PT) | FIX/IO | May 2028 | 38373 VHU7 |
| Security Group 6 |  |  |  |  |  |  |
| PA(1) | 153,140,000 | 5.00 | PAC I | FIX | March 2024 | 38373 VHV5 |
| PB (1) | 95,160,000 | 5.00 | PAC I | FIX | July 2026 | 38373 VHW3 |
| PC (1) | 92,560,000 | 6.00 | PAC I | FIX | June 2028 | $38373 \mathrm{VHX1}$ |
| PD | 73,840,000 | 6.00 | PAC I | FIX | October 2029 | 38373 VHY9 |
| PE | 107,900,000 | 6.00 | PAC I | FIX | July 2031 | 38373 VHZ6 |
| PG | 73,840,000 | 6.00 | PAC I | FIX | August 2032 | 38373 V J A 9 |
| PI | 41,383,333 | 6.00 | NTL(PAC I) | FIX/IO | July 2026 | 38373 V J B 7 |
| YA (1) | 117,702,000 | 6.00 | PAC II/AD | FIX | August 2032 | 38373 V J C 5 |
| Z | 130,000,000 | 6.00 | SUP | FIX / Z | August 2032 | $38373 V$ J D 3 |
| Residual |  |  |  |  |  |  |
| RR. | 0 | 0.00 | NPR | NPR | August 2032 | 38373 V J E 1 |

(1) These Securities may be exchanged for MX Securities described in Schedule I.
(2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for each Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
(3) As defined under "Class Types" in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of each Notional Class will be reduced is indicated in parentheses.
(4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(5) See "Terms Sheet - Interest Rates" in this Supplement.

## TERMS SHEET

This terms sheet contains selected information for quick reference only. You should read this Supplement, particularly "Risk Factors," and each of the other documents listed under "Available Information."

Sponsor: Salomon Smith Barney Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: August 30, 2002
Distribution Dates: For Group 1, Group 3, Group 5, and Group 6 Securities, the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter, commencing in September 2002. For Group 2 and Group 4 Securities, the 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in September 2002.

## Trust Assets:

| Trust Asset Group | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II | 6.0\% | 30 |
| 2 | Ginnie Mae I | 9.0 | 30 |
| 3 | Ginnie Mae II | 6.0 | 30 |
| 4 | Ginnie Mae I | 9.0 | 30 |
| 5 | Underlying Certificates | (1) | (1) |
| 6 | Ginnie Mae II | 6.0 | 30 |

${ }^{(1)}$ Certain information regarding the Underlying Certificates is set forth in Exhibits A and B to this Supplement.

Security Groups: This series of Securities consists of multiple Security Groups (each, a "Group"), as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Group will be based solely on payments on the Trust Asset Group with the same numerical designation.

Assumed Characteristics of the Mortgage Loans Underlying the Group 1, 2, 3, 4 and 6 Trust Assets ${ }^{(1)}$ :
$\left.\begin{array}{lccc}\begin{array}{c}\text { Principal } \\ \text { Balance }{ }^{(2)}\end{array} & \begin{array}{c}\text { Weighted Average } \\ \text { Remaining Term to } \\ \text { Maturity (in months) }\end{array} & \begin{array}{c}\text { Weighted Average } \\ \text { Loan Age } \\ \text { (in months) }\end{array} & \end{array} \begin{array}{c}\text { Weighted } \\ \text { Average } \\ \text { Mortgage } \\ \text { Rate }{ }^{(3)}\end{array}\right]$
(1) As of August 1, 2002.
${ }^{(2)}$ Does not include Group 3 Trust Assets that will be added to pay the Trustee Fee.
(3) The Mortgage Loans underlying the Group 1, 3 and 6 Trust Assets may bear interest at rates ranging from $0.5 \%$ to $1.5 \%$ per annum above the related Certificate Rate.

The actual remaining terms to maturity, loan ages and, in the case of the Group 1,3 and 6 Trust Assets, Mortgage Rates of many of the Mortgage Loans will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets - The Mortgage Loans" in this Supplement. See Exhibit A to this Supplement for certain information regarding the characteristics of the Mortgage Loans included in the Underlying Trusts.

Issuance of Securities: The Securities, other than the Residual Securities, will initially be issued in book-entry form through the book-entry system of the U.S. Federal Reserve Banks (the "Fedwire Book-Entry System"). The Residual Securities will be issued in fully registered, certificated form. See "Description of the Securities - Form of Securities" in this Supplement.

Modification and Exchange: If you own exchangeable Securities you will be able, upon notice and payment of an exchange fee, to exchange them for a proportionate interest in the related Securities shown on Schedule I to this Supplement. See "Description of the Securities - Modification and Exchange" in this Supplement.

Increased Minimum Denomination Classes: Each Class that constitutes a Principal Only, Inverse Floating Rate or Interest Only Class. See "Description of the Securities - Form of Securities" in this Supplement.

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the inside cover page of this Supplement or on Schedule I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest at per annum rates based on one-month LIBOR (hereinafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula | Initial Interest Rate | $\begin{gathered} \text { Minimum } \\ \text { Rate } \end{gathered}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.25\% | 2.09\% | 0.25\% | 9.00\% | 0 | 0.00\% |
| FB | LIBOR + 0.25\% | 2.03\% | 0.25\% | 9.00\% | 0 | 0.00\% |
| SA | 8.75\% - LIBOR | 6.91\% | 0.00\% | 8.75\% | 0 | 8.75\% |
| SB | 8.75\% - LIBOR | 6.97\% | 0.00\% | 8.75\% | 0 | 8.75\% |

${ }^{(1)}$ LIBOR will be established on the basis of the BBA LIBOR method, as described under "Description of the Securities - Interest Distributions - Floating Rate and Inverse Floating Rate Classes" in this Supplement.
${ }^{(2)}$ The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.

Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:

## SECURITY GROUP 1

The Group 1 Principal Distribution Amount and the KZ Accrual Amount will be allocated sequentially, to KA and KZ, in that order, until retired

## SECURITY GROUP 2

The Group 2 Principal Distribution Amount will be allocated to FA, until retired

## SECURITY GROUP 3

A percentage of the Group 3 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 3 Principal Distribution Amount (the "Group 3 Adjusted Principal Distribution Amount") will be allocated as follows:

1. Sequentially, to T, L, G and H, in that order, until retired
2. Concurrently,
a. $90.9090909091 \%$ to E, until retired
b. $9.0909090909 \%$ as follows:
i. To LA and LB, pro rata, until retired
ii. To LC and LD, pro rata, until retired
3. To J, until retired

## SECURITY GROUP 4

The Group 4 Principal Distribution Amount will be allocated to FB, until retired

## SECURITY GROUP 6

The Group 6 Principal Distribution Amount and the Z Accrual Amount will be allocated as follows:

- The Z Accrual Amount in the following order of priority:

1. To YA, until reduced to its Scheduled Principal Balance for that Distribution Date
2. To $Z$, until retired

- The Group 6 Principal Distribution Amount in the following order of priority:

1. Sequentially, to PA, PB, PC, PD, PE and PG, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To YA, until reduced to its Scheduled Principal Balance for that Distribution Date
3. To $Z$, until retired
4. To YA, without regard to its Scheduled Principal Balance, until retired
5. Sequentially, to PA, PB, PC, PD, PE and PG, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

Scheduled Principal Balances: The Scheduled Principal Balances or Aggregate Scheduled Principal Balances for the Classes listed below are included in Schedule II to this Supplement. They were calculated using, among other things, the following Structuring Ranges:

| Class | Structuring Ranges |
| :---: | :---: |
| PA, PB, PC, PD, PE and PG (in the aggregate) | 100\% PSA through $250 \%$ PSA |
| YA | 160\% PSA through 250\% PSA |

Accrual Classes: Interest will accrue on each Accrual Class identified on the inside front cover of this Supplement at the per annum rate set forth on that page. However, no interest will be distributed to the Accrual Classes as interest. Interest so accrued on each Accrual Class on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of that Class on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlements to interest. The Class Notional Balance of each Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balances indicated:

| Class | Approximate Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| AI. | \$ 94,600,000 | $100 \%$ of L (SEQ Class) |
|  | 183,700,000 | 100\% of T (SEQ Class) |
|  | \$278,300,000 |  |
| BI | \$ 39,600,000 | 100\% of G (SEQ Class) |
|  | 94,600,000 | 100\% of L (SEQ Class) |
|  | 183,700,000 | 100\% of T (SEQ Class) |
|  | $\underline{\text { \$317,900,000 }}$ |  |
| CI | \$ 39,600,000 | 100\% of G (SEQ Class) |
|  | 43,230,000 | 100\% of H (SEQ Class) |
|  | 94,600,000 | 100\% of L (SEQ Class) |
|  | 183,700,000 | 100\% of T (SEQ Class) |
|  | $\underline{\text { \$361,130,000 }}$ |  |
| DI | \$ 15,766,666 | 16.6666666667\% of L (SEQ Class) |
| GI | \$ 25,523,333 | $16.6666666667 \%$ of PA (PAC I Class) |
| ID | \$ 6,600,000 | $16.6666666667 \%$ of G (SEQ Class) |
|  | 7,205,000 | $16.6666666667 \%$ of H (SEQ Class) |
|  | 10,406,000 | $11 \%$ of L (SEQ Class) |
|  | 20,207,000 | 11\% of T (SEQ Class) |
|  | $\xlongequal{\text { \$ 44,418,000 }}$ |  |
| IG | \$ 15,860,000 | $16.6666666667 \%$ of PB (PAC I Class) |
| JI | \$ 22,415,289 | 100\% of the Group 5 Trust Assets |
| KI | \$ 50,000,000 | 100\% of KA (SEQ/AD Class) |
| OI | \$ 23,140,000 | 25\% of PC (PAC I Class) |
| PI. | \$ 41,383,333 | $16.6666666667 \%$ of PA and PB (in the aggregate) (PAC I Classes) |
| SA | \$ 14,000,000 | 100\% of FA (PT Class) |
| SB | \$ 73,860,175 | 100\% of FB (PT Class) |
| TI | \$183,700,000 | 100\% of T (SEQ Class) |
| YI. | \$ 29,425,500 | 25\% of YA (PAC II/AD Class) |

Tax Status: Double REMIC Series. See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.

Regular and Residual Classes: Class $R R$ is a Residual Class and includes the Residual Interest of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.
Schedule I
Available Combinations(1)

| REMIC Securities |  | MX Securities |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | Related MX Class | Maximum Original Class Principal Balance or Class Notional Balance(2) | Principal Type(3) | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type(3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ | $\begin{gathered} \text { Increased } \\ \text { Minimum } \\ \text { Denomination(5) } \\ \hline \end{gathered}$ |
| Security Group 1 |  |  |  |  |  |  |  |  |  |
| Combination 1(7) |  |  |  |  |  |  |  |  |  |
| KA | \$ 50,000,000 | KB | \$ 50,000,000 | SEQ /AD | 4.500\% | FIX | 38373 V J F 8 | March 2027 | N/A |
|  |  | KC | 50,000,000 | SEQ/AD | 5.000 | FIX | 38373 VJ G 6 | March 2027 | N/A |
|  |  | KD | 50,000,000 | SEQ /AD | 5.250 | FIX | 38373 VJ H 4 | March 2027 | N/A |
|  |  | KE | 50,000,000 | SEQ/AD | 5.500 | FIX | 38373 V J J 0 | March 2027 | N/A |
|  |  | KG | 50,000,000 | SEQ /AD | 5.750 | FIX | 38373 V J K 7 | March 2027 | N/A |
|  |  | KH | 46,153,846 | SEQ/AD | 6.500 | FIX | 38373 V J L 5 | March 2027 | N/A |
|  |  | KJ | 37,500,000 | SEQ/AD | 8.000 | FIX | 38373 VJ M 3 | March 2027 | N/A |
|  |  | KP | 50,000,000 | SEQ/AD | 0.000 | PO | 38373 VJ N 1 | March 2027 | \$ 117,000 |
|  |  | KI | 50,000,000 | NTL (SEQ/AD) | 6.000 | FIX/IO | 38373 V J P 6 | March 2027 | 556,000 |
| Security Group 3 |  |  |  |  |  |  |  |  |  |
| Combination 2 |  |  |  |  |  |  |  |  |  |
| L | \$ 94,600,000 | A | \$278,300,000 | SEQ | 6.000\% | FIX | 38373 VJ Q 4 | March 2027 | N/A |
| T | 183,700,000 |  |  |  |  |  |  |  |  |
| Combination 3 |  |  |  |  |  |  |  |  |  |
| G | \$ 39,600,000 | B | \$317,900,000 | SEQ | 6.000\% | FIX | 38373 V J R 2 | September 2028 | N/A |
| L | 94,600,000 |  |  |  |  |  |  |  |  |
| T | 183,700,000 |  |  |  |  |  |  |  |  |
| Combination 4 |  |  |  |  |  |  |  |  |  |
| G | \$ 39,600,000 | C | \$361,130,000 | SEQ | 6.000\% | FIX | 38373 V J S 0 | March 2030 | N/A |
| H | 43,230,000 |  |  |  |  |  |  |  |  |
| L | 94,600,000 |  |  |  |  |  |  |  |  |
| T | 183,700,000 |  |  |  |  |  |  |  |  |
| Combination 5 |  |  |  |  |  |  |  |  |  |
| G | \$ 39,600,000 | D | \$266,508,000 | SEQ | 6.000\% | FIX | 38373 V J T 8 | March 2030 | N/A |
| H | 43,230,000 |  |  |  |  |  |  |  |  |
| L | 62,436,000 |  |  |  |  |  |  |  |  |
| T | 121,242,000 |  |  |  |  |  |  |  |  |


|  | REmIC Securities |  | MX Securities |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class | Original Class Principal Balance or Class Notional Balance | $\begin{gathered} \text { Related } \\ \text { MX Class } \\ \hline \end{gathered}$ | Maximum Original Class Principal Balance or Class No(2) | Principal Type (3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type (3) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Increased } \\ \text { Minimum } \\ \text { Denomination(5) } \\ \hline \end{gathered}$ |
|  | $\begin{aligned} & \text { Combination } 6 \\ & \text { G } \\ & \text { H } \end{aligned}$ | $\begin{array}{r} \$ 39,600,000 \\ 43,230,000 \end{array}$ | K | \$ 82,830,000 | SEQ | 6.000\% | FIX | 38373 VJ U 5 | March 2030 | N/A |
|  | Combination 7 G H L | $\begin{array}{r} \$ 39,600,000 \\ 43,230,000 \\ 94,600,000 \end{array}$ | M | \$177,430,000 | SEQ | 6.000\% | FIX | 38373 V J V 3 | March 2030 | N/A |
|  | Combination 8 G H L | $\begin{array}{r} \$ 39,600,000 \\ 43,230,000 \\ 47,300,000 \end{array}$ | N | \$130,130,000 | SEQ | 6.000\% | FIX | 38373 VJW 1 | March 2030 | N/A |
|  | ```Combination 9 G H L``` | $\begin{array}{r} \$ 29,700,000 \\ 43,230,000 \\ 56,760,000 \end{array}$ | U | \$129,690,000 | SEQ | 6.000\% | FIX | 38373 V J X 9 | March 2030 | N/A |
| $\square$ | Combination 10 (7) |  |  |  |  |  |  |  |  |  |
| $\checkmark$ | A (6) | \$278,300,000 | AB | \$278,300,000 | SEQ | 4.500\% | FIX | 38373 V J Y 7 | March 2027 | N/A |
|  |  |  | AC | 278,300,000 | SEQ | 5.000 | FIX | 38373 V J Z 4 | March 2027 | N/A |
|  |  |  | AD | 278,300,000 | SEQ | 5.500 | FIX | 38373 VKA7 | March 2027 | N/A |
|  |  |  | AE | 278,300,000 | SEQ | 5.750 | FIX | 38373 VKB5 | March 2027 | N/A |
|  |  |  | AG | 208,725,000 | SEQ | 8.000 | FIX | 38373 VKC3 | March 2027 | N/A |
|  |  |  | AP | 278,300,000 | SEQ | 0.000 | PO | 38373VKD1 | March 2027 | \$ 111,000 |
|  |  |  | AI | 278,300,000 | NTL(SEQ) | 6.000 | FIX/IO | 38373 VKE9 | March 2027 | 834,000 |
|  | Combination 11(7) |  |  |  |  |  |  |  |  |  |
|  | B(6) | \$317,900,000 | BA | \$317,900,000 | SEQ | 4.500\% | FIX | 38373 VK F 6 | September 2028 | N/A |
|  |  |  | BC | 317,900,000 | SEQ | 5.000 | FIX | 38373 VKG 4 | September 2028 | N/A |
|  |  |  | BD | 317,900,000 | SEQ | 5.500 | FIX | 38373 VKH2 | September 2028 | N/A |
|  |  |  | BE | 317,900,000 | SEQ | 5.750 | FIX | 38373 V KJ 8 | September 2028 | N/A |
|  |  |  | BG | 238,425,000 | SEQ | 8.000 | FIX | 38373 VKK5 | September 2028 | N/A |
|  |  |  | BP | 317,900,000 | SEQ | 0.000 | PO | 38373 VKL3 | September 2028 | \$ 119,000 |
|  |  |  | BI | 317,900,000 | NTL(SEQ) | 6.000 | FIX/IO | 38373 VKM1 | September 2028 | 556,000 |



| REMIC Securities |  | ma Securities |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance | $\begin{gathered} \text { Related } \\ \text { MX Class } \end{gathered}$ | Maximum <br> Original Class <br> Principal Balance <br> or Class Notional <br> Balance(2) | Principal Type(3) | $\begin{gathered} \text { Interest } \\ \text { Rate } \\ \hline \end{gathered}$ | Interest Type (3) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(4) } \end{gathered}$ |  | $\begin{aligned} & \text { Icreased } \\ & \text { innimem } \\ & \text { inination(5) } \\ & \hline \end{aligned}$ |
| Combination 17(7) |  |  |  |  |  |  |  |  |  |  |
| PB | \$ 95,160,000 | GE | \$ 95,160,000 | PAC I | 4.000\% | FIX | 38373 V LS 7 | July 2026 |  | N/A |
|  |  | GH | 95,160,000 | PAC I | 4.250 | FIX | 38373 VLT 5 | July 2026 |  | N/A |
|  |  | GJ | 95,160,000 | PAC I | 4.500 | FIX | 38373 VLU 2 | July 2026 |  | N/A |
|  |  | GK | 95,160,000 | PAC I | 4.750 | FIX | 38373 VLV 0 | July 2026 |  | N/A |
|  |  | IG | 15,860,000 | NTL(PAC I) | 6.000 | FIX/IO | 38373 VLW 8 | July 2026 | \$ | 667,000 |
| Combination 18(7) |  |  |  |  |  |  |  |  |  |  |
|  | \$ 92,560,000 | GL | \$ 92,560,000 | PAC I | 4.500\% | FIX | 38373 VLX 6 | June 2028 |  | N/A |
|  |  | GM | 92,560,000 | PAC I | 5.000 | FIX | 38373 VLY 4 | June 2028 |  | N/A |
|  |  | GN | 92,560,000 | PAC I | 5.250 | FIX | 38373 VLZ 1 | June 2028 |  | N/A |
|  |  | GO | 92,560,000 | PAC I | 5.500 | FIX | $38373 \mathrm{VMA5}$ | June 2028 |  | N/A |
|  |  | OI | 23,140,000 | NTL(PAC I) | 6.000 | FIX/IO | $38373 \mathrm{VmB3}$ | June 2028 | \$ | 477,000 |
| Combination 19 (7) |  |  |  |  |  |  |  |  |  |  |
| YA | \$117,702,000 | YD | \$117,702,000 | PAC II/AD | 4.500\% | FIX | $38373 \mathrm{VMC1} 1$ | August 2032 |  | N/A |
|  |  | YE | 117,702,000 | PAC II/AD | 5.000 | FIX | 38373VMD9 | August 2032 |  | N/A |
|  |  | YG | 117,702,000 | PAC II/AD | 5.250 | FIX | 38373 VmE 7 | August 2032 |  | N/A |
|  |  | YH | 117,702,000 | PAC II/AD | 5.500 | FIX | 38373VMF4 | August 2032 |  | N/A |
|  |  | YJ | 117,702,000 | PAC II/AD | 5.750 | FIX | 38373 VMG2 | August 2032 |  | N/A |
|  |  | YI | 29,425,500 | NTL(PAC II/AD) | 6.000 | FIX/IO | $38373 \mathrm{VmH0}$ | August 2032 | \$ | 834,000 |
| (1) All exchanges must comply with minimum denominations restrictions. |  |  |  |  |  |  |  |  |  |  |
| (2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notion Balance) of that Class, assuming it were to be issued on the Closing Date. |  |  |  |  |  |  |  |  |  |  |
| (3) As defined under "Class Types" in Appendix I to the Base Offering Circular. |  |  |  |  |  |  |  |  |  |  |
| (4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement. |  |  |  |  |  |  |  |  |  |  |
| (5) Each Class will be issued in the denominations specified. If no denomination is indicated for a Class, that Class will be issued the denomination specified under "Description of the Securities - Form of Securities" in this Supplement. |  |  |  |  |  |  |  |  |  |  |
| (6) MX Class. |  |  |  |  |  |  |  |  |  |  |
| of the Securities - Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations. |  |  |  |  |  |  |  |  |  |  |

B-177

\$682,655,577

# Government National Mortgage Association 

## GINNIE MAE ${ }^{\circledR}$

Guaranteed REMIC
Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2004-039

## OFFERING CIRCULAR SUPPLEMENT May 21, 2004

Citigroup


[^0]:    * The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.
    ** Indicates that investors will suffer a loss of virtually all of their investment.

[^1]:    * The price does not include accrued interest. Accrued interest has been added to the price in calculating the yields set forth in the table.

[^2]:    (1) As defined under "Class Types" in Appendix I to the Base Offering Circular. (2) Underlying Certificate Factors are as of May 2004.

[^3]:    ${ }^{1}$ As of November 1, 2003.
    ${ }^{2}$ Does not include Group 7 Trust Assets that will be added to pay the Trustee Fee.
    ${ }^{3}$ The Mortgage Loans underlying the Group 4 and 5 Trust Assets may bear interest at rates ranging from $0.25 \%$ to $1.50 \%$ per annum above the related Certificate Rate.

[^4]:    (1) All exchanges must comply with minimum denominations restrictions.
    (2) The amount shown for each MX Class represents the maximum Original Class Principal Balance (or original Class Notional (3) As defined under "Class Types" in Appendix I to the Base Offering Circular
    (4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement. (5) MX Class.
    (6) The Interest Rate will be calculated as described under "Terms Sheet - Interest Rates" in this Supplement (7) In the case of Combinations 12, 17, 18, 19, 20, 21 and 22 various subcombinations are permitted. See "Description of the Securities - Modification and Exchange" in the Base Offering Circular for a discussion of subcombinations.

[^5]:    (1) These Securities may be exchanged for MX Securities described in Schedule I.
    (2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for each Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
    (3) As defined under "Class Types" in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of each Notional Class will be reduced is indicated in parentheses.
    (4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
    (5) See "Terms Sheet - Interest Rates" in this Supplement.

[^6]:    (1) These Securities may be exchanged for MX Securities described in Schedule I
    (2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for each Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
    (3) As defined under "Class Types"' in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of each Notional Class will be reduced is indicated in parentheses.
    (4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
    (5) See "Terms Sheet - Interest Rates" in this Supplement.

[^7]:    ${ }^{1}$ As of June 1, 2003.
    ${ }^{2}$ Does not include Group 9 Trust Assets that will be added to pay the Trustee Fee.
    ${ }^{3}$ The Mortgage Loans underlying the Group 1, 7 and 9 Trust Assets may bear interest at rates ranging from $0.5 \%$ to $1.5 \%$ per annum above the related Certificate Rate.

[^8]:    (1) These Securities may be exchanged for MX Securities described in Schedule I.
    (2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for each Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
    (3) As defined under "Class Types" in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of each Notional Class will be reduced is indicated in parentheses
    (4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
    (5) See "Terms Sheet - Interest Rates" in this Supplement.

[^9]:    (1) These Securities may be exchanged for MX Securities described in Schedule I
    (2) Subject to increase as described under "Increase in Size" in this Supplement. The amount shown for each Notional Class (indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that will be paid.
    (3) As defined under "Class Types" in Appendix I to the Base Offering Circular. The type of Class with which the Class Notional Balance of each Notional Class will be reduced is indicated in parentheses.
    (4) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
    (5) See "Terms Sheet - Interest Rates" in this Supplement.

[^10]:    $\underset{\mathrm{GB}}{\mathrm{Combination} 6(5)}$

