## Offering Circular Supplement

(To Base Offering Circular dated March 1, 2000)

## \$1,225,254,299

Government National Mortgage Association


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.

GINNIE MAE ${ }^{\circledR}$
Guaranteed REMIC Pass-Through Securities and MX Securities
Ginnie Mae REMIC Trust 2001-57

## 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 30, 2001.

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 November 23, 2001.

## Ginnie Mae REMIC Trust 2001-57

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 |  |  |  |  |  |  |
| FA | \$100,000,000 | (5) | PT | FLT | November 2031 | 38373 THL2 |
| SA | 33,333,333 | (5) | PT | INV | November 2031 | 38373 THM0 |
| Security Group 2 |  |  |  |  |  |  |
| A (1) | 23,000,000 | 5.50\% | SEQ | FIX | August 2010 | 38373 THN8 |
| C (1) | 10,000,000 | 6.50 | SEQ | FIX | April 2030 | 38373 THP3 |
| D (1) | 12,801,788 | 6.50 | SEQ | FIX | November 2031 | 38373 THQ1 |
| P | 25,000,000 | 8.50 | SEQ | FIX | December 2028 | 38373 THR9 |
| Z (1) | 27,000,000 | 5.50 | SEQ | FIX / Z | December 2028 | 38373 THS 7 |
| Security Group 3 |  |  |  |  |  |  |
| KA (1) | 190,276,207 | 6.00 | SC/SEQ | FIX | August 2018 | 38373 THT5 |
| ZA(1) | 111,000,000 | 6.00 | SC/SEQ | FIX / Z | September 2027 | 38373 THU2 |
| Security Group 4 |  |  |  |  |  |  |
| KB (1) | 10,907,852 | 6.10 | SC/SEQ | FIX | July 2014 | 38373 THV0 |
| ZB(1) | 9,400,000 | 6.10 | SC/SEQ | FIX / Z | February 2029 | 38373 THW8 |
| Security Group 5 |  |  |  |  |  |  |
| KC (1) | 15,735,684 | 6.50 | SC/PT | FIX | July 2005 | 38373 THX6 |
| Security Group 6 |  |  |  |  |  |  |
| KD (1) | 31,552,811 | 6.75 | SC/SEQ | FIX | December 2015 | 38373 THY4 |
| ZD (1) | 20,000,000 | 6.75 | SC/SEQ | FIX/Z | January 2024 | 38373 THZ1 |
| Security Group 7 |  |  |  |  |  |  |
| KE (1) | 99,782,002 | 6.80 | SC/SEQ | FIX | August 2016 | 38373 TJ A 4 |
| ZE(1) | 58,400,000 | 6.80 | SC/SEQ | FIX / Z | December 2025 | 38373 TJ B 2 |
| Security Group 8 |  |  |  |  |  |  |
| KG (1) | 111,393,271 | 7.00 | SC/SEQ | FIX | December 2016 | 38373 TJ C 0 |
| ZG(1). | 60,000,000 | 7.00 | SC/SEQ | FIX / Z | February 2027 | 38373 TJ D 8 |
| Security Group 9 |  |  |  |  |  |  |
| KH (1) | 49,749,536 | 7.25 | SC/SEQ | FIX | June 2015 | 38373 T J E 6 |
| ZH (1) | 30,000,000 | 7.25 | SC/SEQ | FIX / Z | April 2024 | 38373 T J F 3 |
| Security Group 10 |  |  |  |  |  |  |
| KJ (1) | 37,863,151 | 7.30 | SC/SEQ | FIX | October 2014 | 38373 T J G 1 |
| ZJ (1) | 24,500,000 | 7.30 | SC/SEQ | FIX / Z | January 2025 | 38373 T J H 9 |
| Security Group 11 |  |  |  |  |  |  |
| KL(1) | 47,240,412 | 7.32 | SC/SEQ | FIX | September 2015 | 38373 T J J 5 |
| ZL(1) | 27,200,000 | 7.32 | SC/SEQ | FIX / Z | February 2026 | 38373 T J K 2 |
| Security Group 12 |  |  |  |  |  |  |
| KM (1) | 25,058,088 | 7.50 | SC/SEQ | FIX | April 2015 | 38373 T J L 0 |
| ZM (1) | 14,600,000 | 7.50 | SC/SEQ | FIX / Z | May 2026 | 38373 T J M 8 |
| Security Group 13 |  |  |  |  |  |  |
| SB (1) | 184,351,037 | (5) | SC/NTL (PT) | INV/IO | May 2029 | 38373 T J N 6 |
| SC (1) | 184,351,037 | (5) | SC/NTL (PT) | INV/IO | May 2029 | 38373 T J P 1 |
| SD (1) | 184,351,037 | (5) | SC/NTL(PT) | INV/IO | May 2029 | 38373 TJ Q9 |
| Security Group 14 |  |  |  |  |  |  |
| EK (1) | 19,035,296 | 0.00 | SC/PT | PO | March 2024 | 38373 T J R 7 |
| SK(1) | 88,831,381 | (5) | SC/NTL (PT) | INV/IO/DLY | March 2024 | 38373 T J S 5 |
| Security Group 15 |  |  |  |  |  |  |
| EM | 424,868 | 0.00 | SC/PT | PO | September 2023 | 38373 T J T 3 |
| SM (1) | 57,547,745 | (5) | SC/NTL (PT) | INV/IO | September 2023 | 38373 TJU 0 |
| SN(1) | 57,547,745 | (5) | SC/NTL(PT) | INV/IO | September 2023 | 38373 T J V 8 |
| SO(1) | 57,547,745 | (5) | SC/NTL(PT) | INV/IO | September 2023 | 38373 TJW 6 |
| SP(1) | 57,547,745 | (5) | SC/NTL(PT) | INV/IO | September 2023 | 38373 TJ X 4 |
| Residual |  |  |  |  |  |  |
| R.... | 0 | 0.00 | NPR | NPR | November 2031 | 38373 TKV6 |

(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 Supplement,
- the Base Offering Circular, and
- in the case of the Group 3 through 15 securities, each disclosure document relating to the Underlying Certificates.

The Base Offering Circular is available on Ginnie Mae's website located at http://www.ginniemae.gov.

If you do not have access to the internet, call The Chase Manhattan Bank, which will act as information agent for the Trust, at (800) 234-GNMA, to order copies of the Base Offering Circular. You should also call The Chase Manhattan Bank to order copies of any other document listed above.

Please consult the description 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: Salomon Smith Barney Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: November 30, 2001
Distribution Date: For the Group 1 through 12 Securities, the 20th day of each month or, if the 19th day or the 20th day is not a Business Day, the first Business Day following the 20th day of each month, commencing in December 2001. For the Group 13 through 15 Securities, the first Business Day following each Underlying REMIC Distribution Date, commencing in December 2001. The "Underlying REMIC Distribution Date" is the 16th day of each month in the case of the Group 13 Securities, the 26th day of each month in the case of the Group 14 Securities and the 25 th day of each month in the case of the Group 15 Securities or, if the 16 th day, the 26 th day or the 25 th day is not a business day, the first business day thereafter. For purposes of the definition of Underlying REMIC Distribution Date, "business day" will have the meaning assigned to it for the related Underlying Trust. If Ginnie Mae converts to the bookentry system maintained by the U.S. Federal Reserve Banks (see "Description of the Securities -Form of Securities" in this Supplement), the Distribution Date for the Group 1 through 12 Securities will be the 20th day of each month or, if the 20th day is not a Business Day, the first Business Day thereafter. The Distribution Date for the Group 13 through 15 Securities may also change following such a conversion. If so, distributions will be made to Holders of the Securities included in the affected Group or Groups no later than they would have been had no such conversion taken place. See "Description of the Securities - Form of Securities" in this Supplement.

## Trust Assets:

| Trust <br> Asset <br> Group | Trust Asset Type |  |  |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II | Original Term <br> To Maturity <br> (in years) |  |
|  | Ginnie Mae II | $6.0 \%$ | Rate Rate |
| 3 | Underlying Certificates | 6.5 | 30 |
| 4 | Underlying Certificates | $(1)$ | $(1)$ |
| 4 | Underlying Certificates | $(1)$ | $(1)$ |
| 5 | Underlying Certificates | $(1)$ | $(1)$ |
| 6 | Underlying Certificates | $(1)$ | $(1)$ |
| 7 | Underlying Certificates | $(1)$ | $(1)$ |
| 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 | $(1)$ | $(1)$ |
| 14 | Underlying Certificates | $(1)$ | $(1)$ |
| 15 |  |  | $(1)$ |

[^0]Security Groups: This series of Securities consists of multiple Security Groups, as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Security 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 and Group 2 Trust Assets ${ }^{1}$ :

${ }^{1}$ As of November 1, 2001.
${ }^{2}$ Does not include Group 1 Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Group 1 and Group 2 Trust Assets 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 Group 2 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 information regarding the characteristics of the Mortgage Loans included in the Underlying REMIC Trusts.
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 either one-month LIBOR (hereinafter referred to as "LIBOR") or the Ten-year Treasury

Index (referred to in the table below as "10 yr Treas" and hereinafter referred to as "Ten-year Treasury Index") as follows:

| Class | Interest Rate Formula(1) | Initial <br> Interest <br> Rate(2) | Minimum Rate | Maximum Rate | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | Rate of Applicable Index for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.40\% | $2.72000 \%$ | 0.4\% | 8.00\% | 0 | 0.00\% |
| SA | 22.8\% - (LIBOR $\times 3.0$ ) | 15.84000\% | 0.0\% | 22.80\% | 0 | 7.60\% |
| SB | 7.00\% - LIBOR | 4.91875\% | 0.0\% | 7.00\% | 0 | 7.00\% |
| SC | 7.60\% - LIBOR | 0.60000\% | 0.0\% | 0.60\% | 0 | 7.60\% |
| SD | 8.20\% - LIBOR | 0.60000\% | 0.0\% | 0.60\% | 0 | 8.20\% |
| SE | 7.60\% - LIBOR | 5.51875\% | 0.0\% | 7.60\% | 0 | 7.60\% |
| SF | 8.20\% - LIBOR | 6.11875\% | 0.0\% | 8.20\% | 0 | 8.20\% |
| SG | 8.20\% - LIBOR | 1.20000\% | 0.0\% | 1.20\% | 0 | 8.20\% |
| SK | 8.10\% - 10 yr Treas | 3.50000\% | 0.0\% | 8.10\% | 26 | 8.10\% |
| SL | $37.80 \%-(10 \mathrm{yr}$ Treas $\times 4.666667)$ | 16.33333\% | 0.0\% | 37.80\% | 26 | 8.10\% |
| SM | 7.00\% - LIBOR | $4.56250 \%$ | 0.0\% | 7.00\% | 0 | 7.00\% |
| SN | 7.60\% - LIBOR | 0.60000\% | 0.0\% | 0.60\% | 0 | 7.60\% |
| SO | 8.20\% - LIBOR | 0.60000\% | 0.0\% | 0.60\% | 0 | 8.20\% |
| SP | 8.85\% - LIBOR | 0.65000\% | 0.0\% | 0.65\% | 0 | 8.85\% |
| SQ | 7.60\% - LIBOR | 5.16250\% | 0.0\% | 7.60\% | 0 | 7.60\% |
| ST | 8.20\% - LIBOR | $5.76250 \%$ | 0.0\% | 8.20\% | 0 | 8.20\% |
| SU | 8.85\% - LIBOR | 6.41250\% | 0.0\% | 8.85\% | 0 | 8.85\% |
| SV | 8.85\% - LIBOR | 1.85000\% | 0.0\% | 1.85\% | 0 | 8.85\% |
| SW | 8.52\% - LIBOR | 1.25000\% | 0.0\% | 1.25\% | 0 | 8.52\% |

(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

$\left\{\begin{array}{l}\text { A percentage of the Group } 1 \text { Principal Distribution Amount will be applied to the }\end{array}\right.$ Pass-
Through $\left\{\begin{array}{l}\text { Trustee Fee, and the remainder of the Group } 1 \text { Principal Distribution Amount (the } \\ \text { "Group } 1 \text { Adjusted Principal Distribution Amount") will be allocated concurrently, }\end{array}\right.$ "Group 1 Adjusted Principal Distribution Amount") will be allocated concurrently, to FA and SA, pro rata, until retired.

## SECURITY GROUP 2

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

| $\begin{aligned} & \text { Accrual } \\ & \text { and } \\ & \text { SEQ } \end{aligned}$ | $\{$ The Z Accrual Amount sequentially, to A and Z, in that order, until retired |
| :---: | :---: |
|  | $\left\{\begin{array}{l}\text { The Group } 2 \text { Principal Distribution Amount in the following order of priority: } \\ \text { 1. Concurrently: }\end{array}\right.$ |
| SEQ | a. $66.6666666667 \%$ sequentially, to A and Z , in that order, until retired. <br> b. $33.3333333333 \%$ to P , until retired. <br> 2. Sequentially, to C and D , in that order, until retired. |

## SECURITY GROUP 3

SEQ $\quad\left\{\begin{array}{l}\text { The Group } 3 \text { Principal Distribution Amount and the ZA Accrual Amount will be } \\ \text { allocated sequentially, to KA and ZA, in that order, until retired. }\end{array}\right.$ allocated sequentially, to KA and ZA, in that order, until retired.

## SECURITY GROUP 4

SEQ $\quad\left\{\begin{array}{l}\text { The Group } 4 \text { Principal Distribution Amount and the ZB Accrual Amount will be } \\ \text { allocated sequentially, to } \mathrm{KB} \text { and } \mathrm{ZB} \text {, in that order, until retired. }\end{array}\right.$

## SECURITY GROUP 5



## SECURITY GROUP 6

SEQ $\quad\left\{\begin{array}{l}\text { The Group } 6 \text { Principal Distribution Amount and the ZD Accrual Amount will be } \\ \text { Zallocated sequentially }\end{array}\right.$ ( allocated sequentially, to KD and ZD, in that order, until retired.

## SECURITY GROUP 7

sEQ $\quad\left\{\begin{array}{l}\text { The Group } 7 \text { Principal Distribution Amount and the ZE Accrual Amount will be } \\ \text { allocated sequentially, to KE and ZE, in that order, until retired. }\end{array}\right.$

## SECURITY GROUP 8

SEQ $\quad\left\{\begin{array}{l}\text { The Group } 8 \text { Principal Distribution Amount and the ZG Accrual Amount will be }\end{array}\right.$ \{ allocated sequentially, to KG and ZG, in that order, until retired.

## SECURITY GROUP 9

SEQ $\quad\left\{\begin{array}{l}\text { The Group } 9 \text { Principal Distribution Amount and the ZH Accrual Amount will be }\end{array}\right.$ ( allocated sequentially, to KH and ZH , in that order, until retired.

## SECURITY GROUP 10

SEQ $\quad\left\{\begin{array}{l}\text { The Group } 10 \text { Principal Distribution Amount and the ZJ Accrual Amount will be }\end{array}\right.$ (allocated sequentially, to KJ and ZJ, in that order, until retired.

## SECURITY GROUP 11

SEQ $\quad\left\{\begin{array}{l}\text { The Group } 11 \text { Principal Distribution Amount and the ZL Accrual Amount will be }\end{array}\right.$ ( allocated sequentially, to KL and ZL, in that order, until retired.

## SECURITY GROUP 12

SEQ $\quad\left\{\begin{array}{l}\text { The Group } 12 \text { Principal Distribution Amount and the ZM Accrual Amount will be } \\ \text { allocated sequentially, to KM and ZM, in that order, until retired }\end{array}\right.$ ( allocated sequentially, to KM and ZM, in that order, until retired.

## SECURITY GROUP 14

$\underset{\text { Through }}{\substack{\text { Pass- }}}\{$ The Group 14 Principal Distribution Amount will be allocated to EK until retired.

## SECURITY GROUP 15

$\substack{\text { Pass- } \\ \text { Through }}\{$ The Group 15 Principal Distribution Amount will be allocated to EM until retired.
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 Balance or group of Trust Assets indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| SB | \$184,351,037 | 100\% of the Group 13 Trust Assets |
| SC | 184,351,037 | 100\% of the Group 13 Trust Assets |
| SD | 184,351,037 | 100\% of the Group 13 Trust Assets |
| SE | 184,351,037 | 100\% of the Group 13 Trust Assets |
| SF | 184,351,037 | 100\% of the Group 13 Trust Assets |
| SG | 184,351,037 | 100\% of the Group 13 Trust Assets |
| SK | 88,831,381 | 466.6666649155\% of EK (SC/PT Class) |
| SM | 57,547,745 | 13544.8527542672\% of EM (SC/PT Class) |
| SN | 57,547,745 | 13544.8527542672\% of EM (SC/PT Class) |
| SO | 57,547,745 | 13544.8527542672\% of EM (SC/PT Class) |
| SP | 57,547,745 | 13544.8527542672\% of EM (SC/PT Class) |
| SQ | 57,547,745 | 13544.8527542672\% of EM (SC/PT Class) |
| ST | 57,547,745 | 13544.8527542672\% of EM (SC/PT Class) |
| SU | 57,547,745 | 13544.8527542672\% of EM (SC/PT Class) |
| SV | 57,547,745 | 13544.8527542672\% of EM (SC/PT Class) |
| SW | 57,547,745 | $13544.8527542672 \%$ of EM (SC/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.

## 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 or the Ten-year Treasury Index will affect the yields on floating rate and inverse floating rate securities. If LIBOR or the Ten-year Treasury Index performs differently from what you expect, the yield on your securities may be lower than you expect. Lower levels of LIBOR or the Ten-year Treasury Index will generally reduce the yield on floating rate securities; higher levels of LIBOR or the Ten-year Treasury Index 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 or the Ten-year Treasury Index may affect your yield: generally, the
earlier a change, the greater the effect on your yield. It's doubtful that LIBOR or the Ten-year Treasury Index 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.

The rate of principal payments on the Underlying Certificates will directly affect the rate of principal payments on the group 3 through 15 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 REMIC disclosure documents, certain of the Underlying Certificates included in trust asset group 5 are not entitled to distributions of principal until certain classes of the related underlying REMIC 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. Accordingly, Underlying Certificates may receive no principal distributions for extended periods of time or may receive principal payments that vary widely from period to period.

Certain of the Underlying Certificates have been issued with a class notional balance. In addition, the principal entitlement of certain of the Underlying Certificates included in trust asset groups 3, 4, 6, 7, 8, 9, 10, 11 and 12 on any payment date is calculated on the basis of schedules; no assurance can be given that 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 Underlying Certificates have adhered to their principal balance schedules, whether any related supporting classes remain outstanding or whether 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 REMIC disclosure documents.

The securities may not be a suitable investment for you. The securities, especially the group 3 through 15 securities and, in particular, the 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 Underlying Certificates, will evidence, directly or indirectly, Ginnie Mae Certificates.

## The Trust MBS (Groups 1 and 2)

The Group 1 and 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 bears interest at a Mortgage Rate $0.50 \%$ to $1.50 \%$ 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 through 15)

The Group 3 through 15 Trust Assets are Underlying Certificates that represent beneficial ownership interests in separate trusts (each, an "Underlying Trust"), 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 series of certificates (each, an "Underlying REMIC Series") described in the related Underlying REMIC Disclosure Documents, excerpts of which are attached as Exhibit B to this Supplement. Each Underlying REMIC Disclosure Document may be obtained from the Information Agent as described under "Available Information." Investors are cautioned that material changes in facts and circumstances may have occurred since the date of each Underlying REMIC 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 and Group 2 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 and Group 2 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 1 and 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 1 and 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 (the "Trustee 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 "Ginnie Mae Guaranty"). 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 in Book-Entry Form and may be transferred only on the book-entry system of the MBS Division of The Depository Trust Company (together with any successor, the "Book-Entry Depository"'). Ginnie Mae has proposed a conversion from this book-entry system to the bookentry system maintained by the U.S. Federal Reserve Banks. It is anticipated that this conversion will be completed during the second quarter of the calendar year 2002, although there can be no assurance that the conversion will occur as scheduled. See Ginnie Mae's website at www.ginniemae.gov for more information related to the proposed conversion. Beneficial

Owners of Securities in Book-Entry Form will ordinarily hold these Securities through one or more financial intermediaries, such as banks, brokerage firms and securities clearing organizations. By request accompanied by the payment of a transfer fee of $\$ 25,000$ per physical certificate 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, in the case of the Residual Securities, 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 or notional balance of $\$ 1,000$ and integral multiples of $\$ 1$ in excess of $\$ 1,000$. The Increased Minimum Denomination Classes will be issued in the following minimum denominations:

| Class | Minimum Denomination |
| :---: | :---: |
| EK | \$ 115,000 |
| EM | \$ 115,000 |
| SA | \$ 95,000 |
| SB | \$1,478,000* |
| SC | \$8,889,000* |
| SD | \$8,649,000* |
| SK | \$2,223,000* |
| SM | \$1,402,000* |
| SN | \$6,809,000* |
| SO | \$6,667,000* |
| SP | \$6,531,000* |

* Notional balance

See Schedule I to this Supplement for the increased minimum denominations of the MX Classes.

## Distributions

Distributions on each Class of Securities will be made on each Distribution Date for that Class, as specified under "Terms Sheet - Distribution Dates" in this Supplement. On each Distribution Date, the Trustee will distribute the Distribution Amount to 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 (each, a "Record Date"). For Book-Entry Securities, the Trustee will distribute principal and interest to the Book-Entry Depository, and Beneficial Owners will receive distributions through credits to accounts maintained for their benefit on the books and records of appropriate financial intermediaries. See "Description of the Securities - Distributions" and "— Method of Distributions" in the Base Offering Circular.

## Interest Distributions

On each Distribution Date, the Interest Distribution Amount will be distributed 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 on 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 on any Distribution Date by using the Class Factors published in the preceding month. See "- Class Factors" below.


## Categories of Classes

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. The abbreviations used on the inside cover page 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:

Classes
Group 2 through 12 and Group 14 Classes
Group 1 Classes

Group 13 Classes

Group 15 Classes

## Accrual Period

The calendar month preceding the related Distribution Date

From the 20th day of the month preceding the month of the related Distribution Date through the 19th day of the month of that Distribution Date
From the 17 th day of the month preceding the month of the related Distribution Date through the 16th day of the month of that Distribution Date
From the 26th day of the month preceding the month of the related Distribution Date through the 25 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.

## Accrual Classes

Each of Class Z, ZA, ZB, ZD, ZE, ZG, ZH, ZJ, ZL and ZM is an Accrual Class. Interest will accrue on the Accrual Classes and be distributed as described under "Terms Sheet - Accrual Classes" in 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 or the Ten-year Treasury Index. 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" in the Base Offering Circular.

For information regarding the manner in which the Trustee determines LIBOR or the Tenyear Treasury Index 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 and - Determination of the Treasury Index" in the Base Offering Circular.

The Trustee's determination of LIBOR and the Ten-year Treasury Index and its calculation of the Interest Rates will be final, except in the case of clear error. Investors can obtain LIBOR and Ten-year Treasury Index levels and Interest Rates for the current and preceding Accrual Periods from gREX or by calling the Information Agent at (800) 234-GNMA.

## Principal Distributions

The Principal Distribution Amount or the Adjusted Principal Distribution Amount for each Security Group and the Accrual Amounts will be distributed to the Holders entitled thereto as described above under "Terms Sheet - Allocation of Principal." 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

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. 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.

## 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 reduce as shown under "Terms Sheet - Notional Classes" in this Supplement.

## Residual Securities

The Class R Securities will represent the beneficial ownership of the Residual Interest in the Trust REMIC. The Class R Securities have no Class Principal Balance and do not accrue interest. The Class R Securities will be entitled to receive the proceeds of the disposition of any assets remaining in the Trust REMIC 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 any Accrual Class) on that Distribution Date (each, a "Class Factor").

- The Class Factor for each Class for the month of issuance is 1.00000000 .
- The Class Factor for any Class of Securities for any 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 on the Distribution Date occurring in that month.
- 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 each month (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 any 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.
- Investors may obtain current Class Factors on gREX.

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

## Trading

For the sole purpose of facilitating trading and settlement, the Principal Only Classes 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 the 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 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 Notional Class 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 REMIC 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 shown on Schedule I to this Supplement. Similarly, all or a portion of the related MX Class may be exchanged for proportionate interests in the related Classes of REMIC Securities. 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.

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 Bank One Trust Company, N.A., 153 W. 51st Street, 6th Floor, New York, New York 10019, Attention: Trust Administrator Ginnie Mae 2001-57. The Trustee may be contacted by telephone at (212) 373-1139 and by fax at (212) 373-1384.

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 not later than two business days prior to 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 Class or Classes of 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, Ginnie Mae Issuer advances and, to the extent necessary, proceeds of Ginnie Mae's guaranty of the Ginnie Mae Certificates. As a result, a high level of 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's assets, thereby effecting early retirement of the Securities. See "Description of the Securities Termination" in this Supplement.

Investors in the Group 3 through 15 Securities are urged to review the discussion under "Risk Factors - The rate of principal payments on the Underlying Certificates will directly affect the rate of principal payments on the group 3 through 15 securities" in this Supplement.

## Assumability

Each Mortgage Loan is subject to assumption 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 and Group 2 Trust Assets have the assumed characteristics shown under "Assumed Characteristics of the Mortgage Loans Underlying the Group 1 and Group 2 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 or Group 2 Trust Asset is assumed to have an original and a remaining term to maturity of 360 months and a Mortgage Rate of $1.5 \%$ 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 through 12 Securities are always received on the 20th day of the month, distributions of the Group 13 Securities are always received on the 17th day
of the month, distributions on the Group 14 Securities are always received on the 27 th day of the month and distributions on the Group 15 Securities are always received on the 26 th day of the month, whether or not a Business Day, commencing in December 2001.
4. A termination of the Trust and the Underlying Trusts does not occur.
5. The Closing Date for the Securities is November 30, 2001.
6. No expenses or fees are paid by the Trust.
7. Distributions on the Underlying Certificates are made as described in the related Underlying REMIC 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 20 th day of the month, 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 the Notional Classes are not entitled to distributions of principal and have no weighted average lives. 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 

| Distribution Date | Security Group 1 <br> PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes FA and SA |  |  |  |  |
|  | 0\% | 100\% | 214\% | 350\% | 500\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 99 | 93 | 86 | 78 | 69 |
| November 2003 | 98 | 86 | 74 | 61 | 48 |
| November 2004 | 97 | 79 | 63 | 47 | 33 |
| November 2005 | 96 | 73 | 54 | 37 | 23 |
| November 2006. | 95 | 68 | 46 | 28 | 16 |
| November 2007. | 93 | 62 | 40 | 22 | 11 |
| November 2008. | 92 | 57 | 34 | 17 | 7 |
| November 2009. | 90 | 53 | 29 | 13 | 5 |
| November 2010 | 89 | 48 | 24 | 10 | 3 |
| November 2011. | 87 | 44 | 21 | 8 | 2 |
| November 2012 | 85 | 40 | 17 | 6 | 2 |
| November 2013 | 83 | 36 | 15 | 4 | 1 |
| November 2014 | 80 | 33 | 12 | 3 | 1 |
| November 2015. | 78 | 29 | 10 | 3 | 0 |
| November 2016. | 75 | 26 | 8 | 2 | 0 |
| November 2017. | 73 | 23 | 7 | 1 | 0 |
| November 2018. | 70 | 20 | 6 | 1 | 0 |
| November 2019. | 66 | 18 | 5 | 1 | 0 |
| November 2020. | 63 | 15 | 4 | 1 | 0 |
| November 2021 | 59 | 13 | 3 | 0 | 0 |
| November 2022 | 55 | 11 | 2 | 0 | 0 |
| November 2023 | 50 | 9 | 2 | 0 | 0 |
| November 2024. | 46 | 7 | 1 | 0 | 0 |
| November 2025. | 40 | 5 | 1 | 0 | 0 |
| November 2026. | 35 | 3 | 0 | 0 | 0 |
| November 2027. | 29 | 2 | 0 | 0 | 0 |
| November 2028 | 22 | 0 | 0 | 0 | 0 |
| November 2029. | 16 | 0 | 0 | 0 | 0 |
| November 2030 | 8 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |
| Life (years) . | 20.2 | 10.1 | 6.1 | 3.9 | 2.7 |

Security Group 2

| $\underline{\text { Distribution Date }}$ | Class A |  |  |  |  | Class B |  |  |  |  | Class C |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 200\% | 396\% | 600\% | 800\% | 0\% | 200\% | 396\% | 600\% | 800\% | 0\% | 200\% | 396\% | 600\% | 800\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 91 | 80 | 69 | 58 | 47 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2003 | 81 | 47 | 16 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2004 | 71 | 8 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2005. | 60 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 62 | 100 | 100 | 100 | 100 | 13 |
| November 2006. | 49 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 70 | 32 | 100 | 100 | 100 | 31 | 0 |
| November 2007 | 37 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 44 | 16 | 100 | 100 | 100 | 0 | 0 |
| November 2008. | 24 | 0 | 0 | 0 | 0 | 100 | 100 | 77 | 28 | 8 | 100 | 100 | 49 | 0 | 0 |
| November 2009. | 10 | 0 | 0 | 0 | 0 | 100 | 100 | 58 | 17 | 4 | 100 | 100 | 4 | 0 | 0 |
| November 2010 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 43 | 11 | 2 | 100 | 100 | 0 | 0 | 0 |
| November 2011. | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 32 | 7 | 1 | 100 | 100 | 0 | 0 | 0 |
| November 2012 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 24 | 4 | 1 | 100 | 100 | 0 | 0 | 0 |
| November 2013. | 0 | 0 | 0 | 0 | 0 | 100 | 86 | 18 | 3 | 0 | 100 | 68 | 0 | 0 | 0 |
| November 2014 | 0 | 0 | 0 | 0 | 0 | 100 | 73 | 13 | 2 | 0 | 100 | 39 | 0 | 0 | 0 |
| November 2015. | 0 | 0 | 0 | 0 | 0 | 100 | 62 | 10 | 1 | 0 | 100 | 14 | 0 | 0 | 0 |
| November 2016. | 0 | 0 | 0 | 0 | 0 | 100 | 53 | 7 | 1 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2017 | 0 | 0 | 0 | 0 | 0 | 100 | 45 | 5 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2018. | 0 | 0 | 0 | 0 | 0 | 100 | 38 | 4 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2019. | 0 | 0 | 0 | 0 | 0 | 100 | 32 | 3 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2020 | 0 | 0 | 0 | 0 | 0 | 100 | 26 | 2 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2021. | 0 | 0 | 0 | 0 | 0 | 100 | 22 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2022. | 0 | 0 | 0 | 0 | 0 | 100 | 18 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2023. | 0 | 0 | 0 | 0 | 0 | 100 | 14 | 1 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2024. | 0 | 0 | 0 | 0 | 0 | 100 | 11 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2025. | 0 | 0 | 0 | 0 | 0 | 100 | 9 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2026. | 0 | 0 | 0 | 0 | 0 | 100 | 6 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 | 100 | 5 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 100 | 3 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 70 | 2 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 36 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) ... | 4.7 | 1.9 | 1.3 | 1.1 | 0.9 | 28.6 | 16.5 | 9.5 | 6.4 | 4.8 | 27.7 | 12.7 | 7.0 | 4.8 | 3.7 |

Security Group 2
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | Class D |  |  |  |  | Class L |  |  |  |  | Class P |  |  |  |  | Class Z |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 200\% | 396\% | 600\% | 800\% | 0\% | 200\% | 396\% | 600\% | 800\% | 0\% | 200\% | 396\% | 600\% | 800\% | 0\% | 200\% | 396\% | 600\% | 800\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 100 | 100 | 100 | 100 | 100 | 99 | 94 | 89 | 84 | 79 | 99 | 94 | 89 | 84 | 79 | 106 | 106 | 106 | 106 | 106 |
| November 2003 | 100 | 100 | 100 | 100 | 100 | 98 | 82 | 67 | 53 | 40 | 98 | 82 | 67 | 53 | 40 | 112 | 112 | 112 | 99 | 75 |
| November 2004 | 100 | 100 | 100 | 100 | 100 | 96 | 67 | 44 | 23 | 6 | 96 | 67 | 44 | 23 | 6 | 118 | 118 | 81 | 42 | 11 |
| November 2005 | 100 | 100 | 100 | 100 | 100 | 95 | 55 | 25 | 3 | 0 | 95 | 55 | 25 | 3 | 0 | 125 | 101 | 47 | 6 | 0 |
| November 2006 | 100 | 100 | 100 | 100 | 56 | 94 | 43 | 11 | 0 | 0 | 94 | 43 | 11 | 0 | 0 | 132 | 80 | 21 | 0 | 0 |
| November 2007 | 100 | 100 | 100 | 78 | 29 | 92 | 33 | 1 | 0 | 0 | 92 | 33 | 1 | 0 | 0 | 139 | 62 | 2 | 0 | 0 |
| November 2008 | 100 | 100 | 100 | 49 | 15 | 90 | 25 | 0 | 0 | 0 | 90 | 25 | 0 | 0 | 0 | 147 | 46 | 0 | 0 | 0 |
| November 2009 | 100 | 100 | 100 | 31 | 8 | 88 | 17 | 0 | 0 | 0 | 88 | 17 | 0 | 0 | 0 | 155 | 32 | 0 | 0 | 0 |
| November 2010 | 100 | 100 | 77 | 19 | 4 | 86 | 11 | 0 | 0 | 0 | 86 | 11 | 0 | 0 | 0 | 160 | 20 | 0 | 0 | 0 |
| November 2011 | 100 | 100 | 58 | 12 | 2 | 84 | 5 | 0 | 0 | 0 | 84 | 5 | 0 | 0 | 0 | 156 | 9 | 0 | 0 | 0 |
| November 2012 | 100 | 100 | 43 | 8 | 1 | 82 | 0 | 0 | 0 | 0 | 82 | 0 | 0 | 0 | 0 | 151 | 0 | 0 | 0 | 0 |
| November 2013 | 100 | 100 | 32 | 5 | 1 | 79 | 0 | 0 | 0 | 0 | 79 | 0 | 0 | 0 | 0 | 146 | 0 | 0 | 0 | 0 |
| November 2014 | 100 | 100 | 24 | 3 | 0 | 76 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 141 | 0 | 0 | 0 | 0 |
| November 2015 | 100 | 100 | 17 | 2 | 0 | 73 | 0 | 0 | 0 | 0 | 73 | 0 | 0 | 0 | 0 | 135 | 0 | 0 | 0 | 0 |
| November 2016 | 100 | 94 | 13 | 1 | 0 | 70 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 0 | 129 | 0 | 0 | 0 | 0 |
| November 2017 | 100 | 80 | 9 | 1 | 0 | 66 | 0 | 0 | 0 | 0 | 66 | 0 | 0 | 0 | 0 | 122 | 0 | 0 | 0 | 0 |
| November 2018. | 100 | 67 | 7 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 115 | 0 | 0 | 0 | 0 |
| November 2019 | 100 | 56 | 5 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 107 | 0 | 0 | 0 | 0 |
| November 2020 | 100 | 47 | 4 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 99 | 0 | 0 | 0 | 0 |
| November 2021 | 100 | 38 | 3 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 90 | 0 | 0 | 0 | 0 |
| November 2022 | 100 | 31 | 2 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 |
| November 2023 | 100 | 25 | 1 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 69 | 0 | 0 | 0 | 0 |
| November 2024 | 100 | 20 | 1 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 |
| November 2025 | 100 | 15 | 1 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 |
| November 2026. | 100 | 12 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 |
| November 2027 | 100 | 8 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 |
| November 2028. | 100 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 100 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030 . | 64 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) ... | 29.2 | 19.6 | 11.5 | 7.6 | 5.7 | 18.0 | 4.8 | 2.9 | 2.1 | 1.8 | 18.0 | 4.8 | 2.9 | 2.1 | 1.8 | 20.0 | 6.5 | 3.9 | 2.8 | 2.3 |

Security Group 3
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class KA |  |  |  |  | Class LA |  |  |  |  | Class ZA |  |  |  |  |
|  | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 92 | 74 | 64 | 28 | 0 | 97 | 86 | 80 | 57 | 30 | 106 | 106 | 106 | 106 | 82 |
| November 2003. | 83 | 37 | 0 | 0 | 0 | 94 | 65 | 19 | 2 | 0 | 113 | 113 | 53 | 5 | 1 |
| November 2004 | 74 | 0 | 0 | 0 | 0 | 91 | 39 | 2 | 0 | 0 | 120 | 106 | 5 | 1 | 0 |
| November 2005. | 64 | 0 | 0 | 0 | 0 | 87 | 12 | 1 | 0 | 0 | 127 | 31 | 2 | 0 | 0 |
| November 2006. | 53 | 0 | 0 | 0 | 0 | 83 | 2 | 0 | 0 | 0 | 135 | 5 | 0 | 0 | 0 |
| November 2007. | 41 | 0 | 0 | 0 | 0 | 79 | 1 | 0 | 0 | 0 | 143 | 4 | 0 | 0 | 0 |
| November 2008. | 28 | 0 | 0 | 0 | 0 | 74 | 1 | 0 | 0 | 0 | 152 | 2 | 0 | 0 | 0 |
| November 2009. | 15 | 0 | 0 | 0 | 0 | 69 | 0 | 0 | 0 | 0 | 161 | 1 | 0 | 0 | 0 |
| November 2010 | 0 | 0 | 0 | 0 | 0 | 63 | 0 | 0 | 0 | 0 | 171 | 0 | 0 | 0 | 0 |
| November 2011. | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 156 | 0 | 0 | 0 | 0 |
| November 2012 | 0 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 139 | 0 | 0 | 0 | 0 |
| November 2013. | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 120 | 0 | 0 | 0 | 0 |
| November 2014. | 0 | 0 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2015. | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 81 | 0 | 0 | 0 | 0 |
| November 2016. | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 |
| November 2017. | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 |
| November 2018. | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 0 |
| November 2019. | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| November 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| November 2021. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2022. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2023. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2024. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2025. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2026. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . . | 5.0 | 1.6 | 1.1 | 0.8 | 0.6 | 10.5 | 2.6 | 1.5 | 1.1 | 0.8 | 13.7 | 3.7 | 2.1 | 1.5 | 1.2 |

Security Group 4
PSA Prepayment Assumption Rates

| Distribution Date | Class KB |  |  |  |  | Class LB |  |  |  |  | Class ZB |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 92 | 75 | 64 | 30 | 0 | 98 | 90 | 83 | 65 | 43 | 106 | 106 | 106 | 106 | 92 |
| November 2003 | 83 | 43 | 0 | 0 | 0 | 97 | 76 | 41 | 14 | 0 | 113 | 113 | 89 | 31 | 0 |
| November 2004 | 73 | 4 | 0 | 0 | 0 | 95 | 58 | 13 | 0 | 0 | 120 | 120 | 29 | 0 | 0 |
| November 2005 | 63 | 0 | 0 | 0 | 0 | 93 | 41 | 0 | 0 | 0 | 128 | 88 | 0 | 0 | 0 |
| November 2006. | 52 | 0 | 0 | 0 | 0 | 91 | 27 | 0 | 0 | 0 | 136 | 57 | 0 | 0 | 0 |
| November 2007 | 40 | 0 | 0 | 0 | 0 | 88 | 15 | 0 | 0 | 0 | 144 | 33 | 0 | 0 | 0 |
| November 2008. | 28 | 0 | 0 | 0 | 0 | 86 | 6 | 0 | 0 | 0 | 153 | 13 | 0 | 0 | 0 |
| November 2009. | 15 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 163 | 0 | 0 | 0 | 0 |
| November 2010 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 173 | 0 | 0 | 0 | 0 |
| November 2011. | 0 | 0 | 0 | 0 | 0 | 77 | 0 | 0 | 0 | 0 | 166 | 0 | 0 | 0 | 0 |
| November 2012 | 0 | 0 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 159 | 0 | 0 | 0 | 0 |
| November 2013 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 0 | 151 | 0 | 0 | 0 | 0 |
| November 2014 | 0 | 0 | 0 | 0 | 0 | 66 | 0 | 0 | 0 | 0 | 142 | 0 | 0 | 0 | 0 |
| November 2015 | 0 | 0 | 0 | 0 | 0 | 61 | 0 | 0 | 0 | 0 | 133 | 0 | 0 | 0 | 0 |
| November 2016 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 123 | 0 | 0 | 0 | 0 |
| November 2017. | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 112 | 0 | 0 | 0 | 0 |
| November 2018. | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2019. | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 87 | 0 | 0 | 0 | 0 |
| November 2020. | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 73 | 0 | 0 | 0 | 0 |
| November 2021. | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 |
| November 2022. | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 |
| November 2023. | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 |
| November 2024 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| November 2025. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2026. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) ... | 5.0 | 1.7 | 1.1 | 0.8 | 0.6 | 15.0 | 3.6 | 1.9 | 1.3 | 0.9 | 17.5 | 5.1 | 2.6 | 1.8 | 1.3 |


|  |  | Security Group 5 |  |  |  |  |
| :---: | ---: | ---: | :---: | ---: | ---: | :---: |
|  |  | PSA Prepayment Assumption Rates |  |  |  |  |

Security Group 6
Security Group 6
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class KD |  |  |  |  | Class LD |  |  |  |  | Class ZD |  |  |  |  |
|  | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 92 | 30 | 0 | 0 | 0 | 98 | 60 | 20 | 0 | 0 | 107 | 107 | 51 | 0 | 0 |
| November 2003 | 83 | 0 | 0 | 0 | 0 | 95 | 27 | 0 | 0 | 0 | 114 | 69 | 0 | 0 | 0 |
| November 2004 | 74 | 0 | 0 | 0 | 0 | 93 | 0 | 0 | 0 | 0 | 122 | 0 | 0 | 0 | 0 |
| November 2005 | 64 | 0 | 0 | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 131 | 0 | 0 | 0 | 0 |
| November 2006 | 53 | 0 | 0 | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 140 | 0 | 0 | 0 | 0 |
| November 2007 | 41 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 150 | 0 | 0 | 0 | 0 |
| November 2008. | 29 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 160 | 0 | 0 | 0 | 0 |
| November 2009 | 15 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 171 | 0 | 0 | 0 | 0 |
| November 2010 | 0 | 0 | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 183 | 0 | 0 | 0 | 0 |
| November 2011 | 0 | 0 | 0 | 0 | 0 | 67 | 0 | 0 | 0 | 0 | 172 | 0 | 0 | 0 | 0 |
| November 2012 | 0 | 0 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 159 | 0 | 0 | 0 | 0 |
| November 2013 | 0 | 0 | 0 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 144 | 0 | 0 | 0 | 0 |
| November 2014 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 127 | 0 | 0 | 0 | 0 |
| November 2015 | 0 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 100 | 0 | 0 | 0 | 0 |
| November 2016 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 0 |
| November 2017. | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 |
| November 2018. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| November 2019. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2020 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2022. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030 . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) ... | 5.0 | 0.7 | 0.4 | 0.2 | 0.1 | 11.4 | 1.4 | 0.6 | 0.4 | 0.2 | 14.0 | 2.2 | 1.0 | 0.6 | 0.4 |

Security Group 7
PSA Prepayment Assumption Rates


Security Group 8
Security Group 8
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | Class KG |  |  |  |  | Class LG |  |  |  |  | Class ZG |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 92 | 33 | 0 | 0 | 0 | 97 | 59 | 29 | 9 | 0 | 107 | 107 | 83 | 27 | 0 |
| November 2003 | 82 | 0 | 0 | 0 | 0 | 94 | 30 | 0 | 0 | 0 | 115 | 86 | 0 | 0 | 0 |
| November 2004 | 73 | 0 | 0 | 0 | 0 | 90 | 6 | 0 | 0 | 0 | 123 | 18 | 0 | 0 | 0 |
| November 2005 | 62 | 0 | 0 | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 132 | 0 | 0 | 0 | 0 |
| November 2006 | 51 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 142 | 0 | 0 | 0 | 0 |
| November 2007 | 38 | 0 | 0 | 0 | 0 | 78 | 0 | 0 | 0 | 0 | 152 | 0 | 0 | 0 | 0 |
| November 2008. | 25 | 0 | 0 | 0 | 0 | 73 | 0 | 0 | 0 | 0 | 163 | 0 | 0 | 0 | 0 |
| November 2009 | 13 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 0 | 175 | 0 | 0 | 0 | 0 |
| November 2010. | 1 | 0 | 0 | 0 | 0 | 66 | 0 | 0 | 0 | 0 | 187 | 0 | 0 | 0 | 0 |
| November 2011 | 0 | 0 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 178 | 0 | 0 | 0 | 0 |
| November 2012 | 0 | 0 | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 166 | 0 | 0 | 0 | 0 |
| November 2013 | 0 | 0 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 153 | 0 | 0 | 0 | 0 |
| November 2014 | 0 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 138 | 0 | 0 | 0 | 0 |
| November 2015 | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 117 | 0 | 0 | 0 | 0 |
| November 2016 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 95 | 0 | 0 | 0 | 0 |
| November 2017. | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 |
| November 2018. | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 |
| November 2019. | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 |
| November 2020 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 |
| November 2021 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 |
| November 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2026. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030 . | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) ... | 4.9 | 0.8 | 0.4 | 0.3 | 0.2 | 11.5 | 1.4 | 0.7 | 0.5 | 0.3 | 15.0 | 2.5 | 1.2 | 0.9 | 0.6 |

Security Group 9
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | PSA Prepayment Assumption Rates |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class KH |  |  |  |  | Class LH |  |  |  |  | Class ZH |  |  |  |  |
|  | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 92 | 34 | 0 | 0 | 0 | 98 | 62 | 23 | 0 | 0 | 107 | 107 | 62 | 0 | 0 |
| November 2003 | 83 | 0 | 0 | 0 | 0 | 95 | 28 | 0 | 0 | 0 | 116 | 75 | 0 | 0 | 0 |
| November 2004 | 74 | 0 | 0 | 0 | 0 | 93 | 1 | 0 | 0 | 0 | 124 | 2 | 0 | 0 | 0 |
| November 2005 | 64 | 0 | 0 | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 134 | 0 | 0 | 0 | 0 |
| November 2006 | 53 | 0 | 0 | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 144 | 0 | 0 | 0 | 0 |
| November 2007 | 41 | 0 | 0 | 0 | 0 | 84 | 0 | 0 | 0 | 0 | 154 | 0 | 0 | 0 | 0 |
| November 2008. | 29 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 166 | 0 | 0 | 0 | 0 |
| November 2009 | 15 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 178 | 0 | 0 | 0 | 0 |
| November 2010 | 0 | 0 | 0 | 0 | 0 | 72 | 0 | 0 | 0 | 0 | 192 | 0 | 0 | 0 | 0 |
| November 2011 | 0 | 0 | 0 | 0 | 0 | 68 | 0 | 0 | 0 | 0 | 180 | 0 | 0 | 0 | 0 |
| November 2012 | 0 | 0 | 0 | 0 | 0 | 63 | 0 | 0 | 0 | 0 | 166 | 0 | 0 | 0 | 0 |
| November 2013 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 152 | 0 | 0 | 0 | 0 |
| November 2014 | 0 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 136 | 0 | 0 | 0 | 0 |
| November 2015 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 |
| November 2016 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 81 | 0 | 0 | 0 | 0 |
| November 2017. | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 0 | 0 |
| November 2018. | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 |
| November 2019. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2020. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2021 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2022. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2026 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 5.0 | 0.8 | 0.4 | 0.3 | 0.2 | 11.6 | 1.4 | 0.7 | 0.4 | 0.3 | 14.1 | 2.3 | 1.1 | 0.7 | 0.5 |

Security Group 10
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | Class KJ |  |  |  |  | Class LJ |  |  |  |  | Class ZJ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | $\underline{1250 \%}$ | 0\% | 300\% | 620\% | 900\% | 1250\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 92 | 42 | 0 | 0 | 0 | 98 | 67 | 35 | 6 | 0 | 108 | 108 | 88 | 15 | 0 |
| November 2003 | 84 | 0 | 0 | 0 | 0 | 96 | 39 | 0 | 0 | 0 | 116 | 100 | 0 | 0 | 0 |
| November 2004 | 74 | 0 | 0 | 0 | 0 | 94 | 17 | 0 | 0 | 0 | 124 | 42 | 0 | 0 | 0 |
| November 2005 | 64 | 0 | 0 | 0 | 0 | 92 | 0 | 0 | 0 | 0 | 134 | 0 | 0 | 0 | 0 |
| November 2006 | 54 | 0 | 0 | 0 | 0 | 89 | 0 | 0 | 0 | 0 | 144 | 0 | 0 | 0 | 0 |
| November 2007 | 42 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 |
| November 2008 | 29 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 166 | 0 | 0 | 0 | 0 |
| November 2009 | 16 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 179 | 0 | 0 | 0 | 0 |
| November 2010. | 1 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 193 | 0 | 0 | 0 | 0 |
| November 2011 | 0 | 0 | 0 | 0 | 0 | 72 | 0 | 0 | 0 | 0 | 185 | 0 | 0 | 0 | 0 |
| November 2012 | 0 | 0 | 0 | 0 | 0 | 68 | 0 | 0 | 0 | 0 | 174 | 0 | 0 | 0 | 0 |
| November 2013 | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 162 | 0 | 0 | 0 | 0 |
| November 2014 | 0 | 0 | 0 | 0 | 0 | 59 | 0 | 0 | 0 | 0 | 150 | 0 | 0 | 0 | 0 |
| November 2015 | 0 | 0 | 0 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 136 | 0 | 0 | 0 | 0 |
| November 2016 | 0 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 121 | 0 | 0 | 0 | 0 |
| November 2017. | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 105 | 0 | 0 | 0 | 0 |
| November 2018. | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 87 | 0 | 0 | 0 | 0 |
| November 2019 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 68 | 0 | 0 | 0 | 0 |
| November 2020. | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 |
| November 2021. | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 |
| November 2022. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| November 2023. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2026. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) ... | 5.1 | 0.9 | 0.4 | 0.3 | 0.2 | 13.4 | 1.7 | 0.8 | 0.5 | 0.3 | 16.0 | 2.8 | 1.3 | 0.8 | 0.5 |

Security Group 11
PSA Prepayment Assumption Rates

| Distribution Date | Class KL |  |  |  |  | Class LK |  |  |  |  | Class ZL |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 92 | 32 | 0 | 0 | 0 | 98 | 60 | 19 | 0 | 0 | 108 | 108 | 51 | 0 | 0 |
| November 2003. | 83 | 0 | 0 | 0 | 0 | 95 | 23 | 0 | 0 | 0 | 116 | 64 | 0 | 0 | 0 |
| November 2004 | 74 | 0 | 0 | 0 | 0 | 93 | 0 | 0 | 0 | 0 | 124 | 0 | 0 | 0 | 0 |
| November 2005. | 64 | 0 | 0 | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 134 | 0 | 0 | 0 | 0 |
| November 2006. | 53 | 0 | 0 | 0 | 0 | 86 | 0 | 0 | 0 | 0 | 144 | 0 | 0 | 0 | 0 |
| November 2007 | 42 | 0 | 0 | 0 | 0 | 83 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 |
| November 2008. | 29 | 0 | 0 | 0 | 0 | 79 | 0 | 0 | 0 | 0 | 167 | 0 | 0 | 0 | 0 |
| November 2009. | 15 | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 | 179 | 0 | 0 | 0 | 0 |
| November 2010 | 1 | 0 | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 193 | 0 | 0 | 0 | 0 |
| November 2011. | 0 | 0 | 0 | 0 | 0 | 66 | 0 | 0 | 0 | 0 | 181 | 0 | 0 | 0 | 0 |
| November 2012. | 0 | 0 | 0 | 0 | 0 | 61 | 0 | 0 | 0 | 0 | 167 | 0 | 0 | 0 | 0 |
| November 2013. | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 151 | 0 | 0 | 0 | 0 |
| November 2014. | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 134 | 0 | 0 | 0 | 0 |
| November 2015. | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 116 | 0 | 0 | 0 | 0 |
| November 2016. | 0 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 96 | 0 | 0 | 0 | 0 |
| November 2017. | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 |
| November 2018. | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 0 | 0 |
| November 2019. | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 |
| November 2020. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2021. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2022. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2023. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2024. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2025. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2026. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 5.1 | 0.8 | 0.4 | 0.3 | 0.2 | 11.9 | 1.3 | 0.6 | 0.4 | 0.3 | 14.7 | 2.1 | 1.0 | 0.7 | 0.4 |

Security Group 12
PSA Prepayment Assumption Rates

| $\underline{\text { Distribution Date }}$ | Class KM |  |  |  |  | Class LM |  |  |  |  | Class ZM |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 92 | 35 | 0 | 0 | 0 | 98 | 62 | 24 | 0 | 0 | 108 | 108 | 65 | 0 | 0 |
| November 2003 | 83 | 0 | 0 | 0 | 0 | 95 | 28 | 0 | 0 | 0 | 116 | 77 | 0 | 0 | 0 |
| November 2004 | 74 | 0 | 0 | 0 | 0 | 93 | 1 | 0 | 0 | 0 | 125 | 3 | 0 | 0 | 0 |
| November 2005 | 64 | 0 | 0 | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 135 | 0 | 0 | 0 | 0 |
| November 2006 | 53 | 0 | 0 | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 145 | 0 | 0 | 0 | 0 |
| November 2007 | 41 | 0 | 0 | 0 | 0 | 84 | 0 | 0 | 0 | 0 | 157 | 0 | 0 | 0 | 0 |
| November 2008 | 29 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 169 | 0 | 0 | 0 | 0 |
| November 2009. | 15 | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 0 | 0 | 182 | 0 | 0 | 0 | 0 |
| November 2010. | 0 | 0 | 0 | 0 | 0 | 72 | 0 | 0 | 0 | 0 | 196 | 0 | 0 | 0 | 0 |
| November 2011 | 0 | 0 | 0 | 0 | 0 | 68 | 0 | 0 | 0 | 0 | 184 | 0 | 0 | 0 | 0 |
| November 2012 | 0 | 0 | 0 | 0 | 0 | 63 | 0 | 0 | 0 | 0 | 170 | 0 | 0 | 0 | 0 |
| November 2013. | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 156 | 0 | 0 | 0 | 0 |
| November 2014 | 0 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 140 | 0 | 0 | 0 | 0 |
| November 2015. | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 123 | 0 | 0 | 0 | 0 |
| November 2016. | 0 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 104 | 0 | 0 | 0 | 0 |
| November 2017. | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 84 | 0 | 0 | 0 | 0 |
| November 2018. | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 |
| November 2019. | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 |
| November 2020 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 |
| November 2021. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2022 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2023 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2024. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2026. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average Life (years) ... | 5.0 | 0.8 | 0.4 | 0.3 | 0.2 | 12.2 | 1.4 | 0.7 | 0.4 | 0.3 | 15.0 | 2.3 | 1.1 | 0.7 | 0.5 |

PSA Prepayment Assumption Rates

| Distribution Date |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Class MA |  |  |  |  | Class MZ |  |  |  |  |
|  | 0\% | 300\% | 620\% | 900\% | 1250\% | 0\% | 300\% | 620\% | 900\% | 1250\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 91 | 49 | 24 | 12 | 1 | 107 | 107 | 80 | 46 | 34 |
| November 2003 | 82 | 14 | 1 | 0 | 0 | 114 | 90 | 24 | 7 | 2 |
| November 2004 | 72 | 1 | 0 | 0 | 0 | 122 | 47 | 5 | 0 | 0 |
| November 2005 | 62 | 0 | 0 | 0 | 0 | 130 | 16 | 1 | 0 | 0 |
| November 2006 | 51 | 0 | 0 | 0 | 0 | 139 | 6 | 0 | 0 | 0 |
| November 2007 | 39 | 0 | 0 | 0 | 0 | 149 | 4 | 0 | 0 | 0 |
| November 2008. | 27 | 0 | 0 | 0 | 0 | 159 | 2 | 0 | 0 | 0 |
| November 2009 | 14 | 0 | 0 | 0 | 0 | 170 | 0 | 0 | 0 | 0 |
| November 2010 | 0 | 0 | 0 | 0 | 0 | 181 | 0 | 0 | 0 | 0 |
| November 2011 | 0 | 0 | 0 | 0 | 0 | 169 | 0 | 0 | 0 | 0 |
| November 2012 | 0 | 0 | 0 | 0 | 0 | 155 | 0 | 0 | 0 | 0 |
| November 2013 | 0 | 0 | 0 | 0 | 0 | 140 | 0 | 0 | 0 | 0 |
| November 2014 | 0 | 0 | 0 | 0 | 0 | 124 | 0 | 0 | 0 | 0 |
| November 2015 | 0 | 0 | 0 | 0 | 0 | 105 | 0 | 0 | 0 | 0 |
| November 2016 | 0 | 0 | 0 | 0 | 0 | 85 | 0 | 0 | 0 | 0 |
| November 2017. | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 |
| November 2018. | 0 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 |
| November 2019 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 |
| November 2020 . | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 |
| November 2021 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 |
| November 2022. | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| November 2023 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 |
| November 2024 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| November 2025 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |
| November 2026 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| November 2027. | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |
| Life (years) . | 4.9 | 1.1 | 0.7 | 0.5 | 0.3 | 14.8 | 3.0 | 1.6 | 1.1 | 0.8 |


| $\underline{\text { Distribution Date }}$ | Security Group 13 <br> PSA Prepayment Assumption Rates |  |  |  |  | Security Group 14 <br> PSA Prepayment Assumption Rates |  |  |  |  | Security Group 15 <br> PSA Prepayment Assumption Rates <br> Classes EM, SM, SN, SO, SP, SQ, ST, <br> SU, SV and SW |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Classes SB, SC, SD, SE, SF and SG |  |  |  |  | Classes EK, SK and SL |  |  |  |  |  |  |  |  |  |
|  | 0\% | 200\% | 425\% | 650\% | 950\% | 0\% | 200\% | 425\% | 650\% | 950\% | 0\% | 200\% | 425\% | 650\% | 950\% |
| Initial Percent | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| November 2002 | 98 | 87 | 73 | 60 | 42 | 100 | 98 | 57 | 17 | 0 | 98 | 86 | 73 | 60 | 42 |
| November 2003 | 97 | 75 | 54 | 36 | 18 | 100 | 97 | 33 | 0 | 0 | 96 | 74 | 53 | 36 | 18 |
| November 2004 | 95 | 65 | 39 | 22 | 8 | 100 | 97 | 21 | 0 | 0 | 93 | 63 | 39 | 21 | 7 |
| November 2005 | 93 | 56 | 29 | 13 | 3 | 100 | 97 | 17 | 0 | 0 | 91 | 54 | 28 | 13 | 3 |
| November 2006 | 91 | 48 | 21 | 8 | 1 | 100 | 97 | 17 | 0 | 0 | 88 | 46 | 20 | 7 | 1 |
| November 2007 | 88 | 41 | 15 | 5 | 1 | 100 | 97 | 17 | 0 | 0 | 85 | 39 | 14 | 4 | 1 |
| November 2008 | 86 | 35 | 11 | 3 | 0 | 100 | 97 | 17 | 0 | 0 | 81 | 33 | 10 | 3 | 0 |
| November 2009 | 83 | 30 | 8 | 2 | 0 | 100 | 86 | 17 | 0 | 0 | 78 | 28 | 7 | 1 | 0 |
| November 2010 | 81 | 25 | 6 | 1 | 0 | 100 | 72 | 16 | 0 | 0 | 74 | 23 | 5 | 1 | 0 |
| November 2011 | 77 | 22 | 4 | 1 | 0 | 100 | 60 | 11 | 0 | 0 | 70 | 19 | 4 | 0 | 0 |
| November 2012 | 74 | 18 | 3 | 0 | 0 | 100 | 50 | 8 | 0 | 0 | 65 | 16 | 3 | 0 | 0 |
| November 2013 | 70 | 15 | 2 | 0 | 0 | 100 | 41 | 6 | 0 | 0 | 61 | 13 | 2 | 0 | 0 |
| November 2014 | 67 | 13 | 1 | 0 | 0 | 100 | 33 | 4 | 0 | 0 | 55 | 11 | 1 | 0 | 0 |
| November 2015 | 62 | 10 | 1 | 0 | 0 | 100 | 26 | 3 | 0 | 0 | 50 | 8 | 1 | 0 | 0 |
| November 2016 | 58 | 9 | 1 | 0 | 0 | 100 | 21 | 2 | 0 | 0 | 44 | 6 | 1 | 0 | 0 |
| November 2017. | 53 | 7 | 0 | 0 | 0 | 100 | 16 | 1 | 0 | 0 | 37 | 5 | 0 | 0 | 0 |
| November 2018 | 48 | 5 | 0 | 0 | 0 | 100 | 11 | 1 | 0 | 0 | 30 | 3 | 0 | 0 | 0 |
| November 2019 | 42 | 4 | 0 | 0 | 0 | 79 | 8 | 0 | 0 | 0 | 23 | 2 | 0 | 0 | 0 |
| November 2020. | 36 | 3 | 0 | 0 | 0 | 55 | 5 | 0 | 0 | 0 | 15 | 1 | 0 | 0 | 0 |
| November 2021 | 30 | 2 | 0 | 0 | 0 | 30 | 2 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 |
| November 2022 | 23 | 2 | 0 | 0 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2023 | 17 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2024 | 10 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2025 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2026 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2028. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2030 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| November 2031. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weighted Average |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Life (years) . . | 15.4 | 6.2 | 3.2 | 2.0 | 1.2 | 19.2 | 11.6 | 3.0 | 0.6 | 0.3 | 12.9 | 5.9 | 3.1 | 2.0 | 1.2 |

## 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 through 15 Securities, the investor's own projection of principal 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 or the Ten-year Treasury Index under a variety of scenarios. No representation is made regarding Mortgage Loan prepayment rates, Underlying Certificate payment rates, LIBOR or Tenyear Treasury Index 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 Securities), 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 Securities), 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 Group of Trust Assets 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.

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

Low levels of LIBOR or the Ten-year Treasury Index can reduce the yield of the Floating Rate Classes. High levels of LIBOR or the Ten-year Treasury Index can significantly reduce the yield of the Inverse Floating Rate Classes.

## Payment Delay: Effect on Yields of the Group 2 through 12 and Group 14 Classes

The effective yield on any Group 2 through 12 or Group 14 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 50 days earlier in the case of the Group 2 through 12 Classes, and approximately 56 days earlier in the case of the Group 14 Classes.

## 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 or the Ten-year Treasury Index, as applicable.

The Mortgage Loans will not prepay at any constant rate until maturity, and it is unlikely that LIBOR or the Ten-year Treasury Index will remain constant. Moreover, the Mortgage Loans will have characteristics 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 or the Ten-year Treasury Index 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 SA to Prepayments
Assumed Price 106.6\%*


## SECURITY GROUP 13

## Sensitivity of Class SB to Prepayments

 Assumed Price 7.02\%*| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 1.08125\% | 79.6\% | 58.1\% | 34.4\% | (1.8) \% |
| 2.08125\% | 62.0\% | 41.7\% | 19.4\% | (14.7) \% |
| 4.08125\% | 28.8\% | 10.9\% | (8.8) \% | (38.8) \% |
| 7.00000\% | ** | ** | ** | ** |

[^1]
## Sensitivity of Class SC to Prepayments Assumed Price 1.375\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 7.0\% and below | 30.5\% | 12.5\% | (7.3) \% | (37.6) \% |
| 7.3\% | 6.7\% | (9.6) \% | (27.6) \% | (55.0) \% |
| 7.6\% and above | ** | ** | ** | ** |

## Sensitivity of Class SD to Prepayments <br> Assumed Price 1.40625\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 7.6\% and below | 29.4\% | 11.5\% | (8.3) \% | (38.4) \% |
| 7.9\% | 6.1\% | (10.1) \% | (28.0) \% | (55.4) \% |
| 8.2\% and above | ** | ** | ** | ** |

## Sensitivity of Class SE to Prepayments <br> Assumed Price 8.145\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 1.08125\% | 74.1\% | 53.0\% | 29.8\% | (5.8) \% |
| 2.08125\% | 59.1\% | 39.0\% | 17.0\% | (16.8) \% |
| 5.08125\% | 17.0\% | (0.1) \% | (18.8) \% | (47.5) \% |
| $7.60000 \%$ | ** | ** | ** | ** |

## Sensitivity of Class SF to Prepayments Assumed Price 9.30125\%*

[^2]
## Sensitivity of Class SG to Prepayments

Assumed Price 2.53125\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 7.0\% and below | 34.9\% | 16.5\% | (3.7) \% | (34.5) \% |
| 7.6\% | 8.8\% | (7.7) \% | (25.8) \% | (53.5) \% |
| 8.2\% and above | ** | ** | ** | ** |

## SECURITY GROUP 14

Sensitivity of Class EK to Prepayments Assumed Price 87.5\%

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\underline{200 \%}$ | $\underline{\mathbf{4 2 5} \%}$ | $\underline{\mathbf{6 5 0 \%}}$ | $\underline{\mathbf{9 5 0 \%}}$ |
| $\mathbf{1 . 2 \%}$ | $5.2 \%$ | $24.4 \%$ | $50.3 \%$ |

Sensitivity of Class SK to Prepayments
Assumed Price 4.75\%*

| Ten-Year Treasury | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 3.6\% | 104.1\% | 43.3\% | (90.8) \% | ** |
| 4.6\% | 78.7\% | 26.5\% | ** | ** |
| 6.6\% | 30.3\% | (1.9) \% | ** | ** |
| 8.1\% and above | ** | ** | ** | ** |

Sensitivity of Class SL to Prepayments
Assumed Price 108.505\%*

| Ten-Year Treasury | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 3.6\% | 19.5\% | 15.8\% | 3.9\% | (10.8) \% |
| 4.6\% | 15.0\% | 11.7\% | 0.1\% | (13.9) \% |
| 6.6\% | 6.0\% | 3.5\% | (7.4) \% | (20.1) \% |
| 8.1\% and above | (0.7) \% | (2.5) \% | (12.9) \% | (24.6) \% |

## SECURITY GROUP 15

Sensitivity of Class EM to Prepayments
Assumed Price 87.25\%

| PSA Prepayment Assumption Rates |  |  |  |
| :--- | :--- | :--- | :--- |
| $\mathbf{2 0 0 \%}$ | $\underline{\mathbf{4 2 5 \%}}$ | $\underline{\mathbf{6 5 0 \%}}$ | $\underline{\mathbf{9 5 0 \%}}$ |
| $\mathbf{2 . 5 \%}$ | $4.7 \%$ | $7.6 \%$ | $12.7 \%$ |

[^3]
## Sensitivity of Class SM to Prepayments

 Assumed Price 7.383\%*| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 1.4375\% | 67.3\% | 47.0\% | 24.7\% | (9.6) \% |
| 2.4375\% | 51.3\% | 32.1\% | 10.9\% | (21.5) \% |
| 4.4375\% | 20.6\% | 3.4\% | (15.4) \% | (44.3) \% |
| 7.0000\% | ** | ** | ** | ** |

## Sensitivity of Class SN to Prepayments Assumed Price 1.71875\%*

| $\underline{\text { LIBOR }}$ | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 7.0\% and below | 20.1\% | 2.9\% | (15.9) \% | (44.7) \% |
| 7.3\% | 0.7\% | (15.1) \% | (32.4) \% | (59.2) \% |
| 7.6\% and above | ** | ** | ** | ** |

## Sensitivity of Class SO to Prepayments Assumed Price 1.75\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 7.6\% and below | 19.4\% | 2.3\% | (16.5) \% | (45.3) \% |
| 7.9\% | 0.3\% | (15.4) \% | (32.7) \% | (59.5) \% |
| 8.2\% and above. | ** | ** | ** | ** |

## Sensitivity of Class SP to Prepayments Assumed Price 1.78125\%*

|  | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LIBOR | 200\% | 425\% | 650\% | 950\% |
| 8.200\% and below | 21.9\% | 4.6\% | (14.4) \% | (43.4) \% |
| 8.525\% | 1.7\% | (14.2) \% | (31.6) \% | (58.5) \% |
| 8.850\% and above | ** | ** | ** | ** |

[^4]
## Sensitivity of Class SQ to Prepayments Assumed Price 8.85175\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 1.4375\% | 60.3\% | 40.5\% | 18.7\% | (14.8) \% |
| 2.4375\% | 47.1\% | 28.2\% | 7.3\% | (24.6) \% |
| 5.4375\% | 9.1\% | (7.3) \% | (25.3) \% | (52.9) \% |
| 7.6000\% | ** | ** | ** | ** |

## Sensitivity of Class ST to Prepayments Assumed Price 10.35175\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 1.4375\% | 55.1\% | 35.6\% | 14.2\% | (18.7) \% |
| 2.4375\% | 44.0\% | 25.2\% | 4.6\% | (27.0) \% |
| 5.4375\% | 11.6\% | (5.0) \% | (23.2) \% | (51.1) \% |
| 8.2000\% | ** | ** | ** | ** |

Sensitivity of Class SU to Prepayments Assumed Price 11.883\%*

| LIBOR | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 200\% | 425\% | 650\% | 950\% |
| 1.4375\% | 51.6\% | 32.3\% | 11.2\% | (21.3) \% |
| 2.4375\% | 41.9\% | 23.3\% | 2.9\% | (28.5) \% |
| 5.4375\% | 13.8\% | (2.9) \% | (21.3) \% | (49.4) \% |
| 8.8500\% | ** | ** | ** | ** |

## Sensitivity of Class SV to Prepayments Assumed Price 4.75\%*

|  | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\underline{\text { LIBOR }}$ | 200\% | 425\% | 650\% | 950\% |
| 7.000\% and below | 24.6\% | 7.2\% | (12.0) \% | (41.4) \% |
| 7.925\% | 3.1\% | (12.9) \% | (30.4) \% | (57.4) \% |
| 8.850\% and above | ** | ** | ** | ** |

[^5]
# Sensitivity of Class SW to Prepayments Assumed Price 3.28125\%* 

|  | PSA Prepayment Assumption Rates |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| LIBOR | 200\% | 425\% | 650\% | 950\% |
| $7.270 \%$ and below | 23.7\% | 6.3\% | (12.8) \% | (42.1) \% |
| 7.895\% | 2.6\% | (13.3) \% | (30.8) \% | (57.8) \% |
| 8.520\% and above | ** | ** | ** | ** |

* 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.


## 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 for federal income tax purposes, the Trust will constitute a Single REMIC Series.

## Regular Securities

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

The Class EK and EM 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 SB, SC, SD, SK, SM, SN, SO and SP 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 Z, ZA, ZB, ZD, ZE, ZG, ZH, ZJ, ZL and ZM 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.

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 Securities, the constant LIBOR or the Ten-year Treasury Index value described below, no Classes of Regular Securities other than the Classes listed in the preceding three paragraphs are expected to be issued with OID.

Prospective investors in the 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:

| Groups | PSA |
| :---: | :---: |
| 1 | $214 \%$ |
| 2 | $396 \%$ |
| 3 through 12 | $620 \%$ |
| 13 through 15 | $425 \%$ |

In the case of the Floating Rate Classes, the value of LIBOR to be used for these determinations is $2.32 \%$ for Group 1, $2.08125 \%$ for Group 13 and $2.43750 \%$ for Group 15 and the value of the Ten-year Treasury Index is $4.600 \%$ for Group 14 . 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 or the Ten-year Treasury Index at any time after the date of this Supplement. See "Certain Federal Income Tax Consequences" in the Base Offering Circular.

OID accruals on the Underlying Certificates will be computed using the same prepayment assumption as set forth above.

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 R Securities will represent the beneficial ownership of the Residual Interest in the Trust REMIC. The Residual Securities, i.e., the Class R 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 REMIC, and these requirements will continue until there are no outstanding regular interests in the Trust REMIC. 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.

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.

On December 8, 2000, the IRS issued Revenue Procedure 2001-12, effective February 4, 2000 pending finalization of proposed regulations, which expands the safe harbor for transfers
of noneconomic residual interests to include transfers to certain taxable domestic corporations with significant gross and net assets, provided that those corporations agree to transfer the residual interest only to other taxable domestic corporations in transactions qualifying for one of the safe harbor provisions. Eligibility for the expanded safe harbor requires, among other things, that the transferor not know of any facts or circumstances that reasonably indicate that the taxes associated with the residual interest will not be paid. The Revenue Procedure provides that transfers to foreign branches of domestic corporations or transfers involving arrangements that subject income from the residual interest to net tax by a foreign country or possession of the United States is not within the safe harbor, and also provides that if the amount of consideration given to the transferee to acquire the residual interest is so low that under any set of reasonable assumptions a reasonable person would conclude that the taxes associated with holding the residual interest will not be paid, then the transferor will be deemed to know that the transferee cannot or will not pay those taxes. See "Certain Federal Income Tax Consequences - Tax Treatment of Residual Securities - Non-Recognition of Certain Transfers for Federal Income Tax Purposes" in the Base Offering Circular.

## Effect of the Economic Growth and Tax Relief Reconciliation Act of 2001

As a result of the Economic Growth and Tax Relief Reconciliation Act of 2001, limitations imposed by Section 68 of the Code on claiming itemized deductions will be phased-out commencing in 2006, which will affect individuals holding either Regular Securities in Single Class REMICs or Residual Securities. In addition, starting in 2001, the backup withholding rate will start declining from $31 \%$ until leveling at $28 \%$ in 2006. Unless the statute is amended, all provisions of the Economic Growth and Tax Relief Reconciliation Act of 2001 will no longer apply for taxable years beginning after December 31, 2010. For information relating to itemized deduction and backup withholding for taxable years beginning on or after January 1, 2011, see "Certain Federal Income Tax Consequences - Tax Treatment of Regular Securities - Single Class REMICs," "- Tax Treatment of Residual Securities - Special Considerations for Certain Types of Investors - Individuals and Pass Through Entities, " and "- Backup Withholding" in the Base Offering Circular. Investors are encouraged to consult their own tax advisors with respect to the new legislation.

## 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 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"), solely by reason of the Plan's purchase and holding of that certificate.

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, Plans.

## 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) November 1, 2001 on the Group 2 through 12 and Group 14 Classes, (2) November 20, 2001 on the Group 1 Classes, (3) November 17, 2001 on the Group 13 Classes, and (4) November 26, 2001 on the Group 15 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 Securities will have the same characteristics as described in this Supplement, except that the Original Class Principal Balance (or original Class Notional Balance) of each Class will increase by the same proportion. The Trust Agreement, the Final Data Statement 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 Sidley Austin Brown \& Wood LLP, New York, New York; for the Trust by Cleary, Gottlieb, Steen \& Hamilton and Marcell Solomon \& Associates, P.C. and for the Trustee by Ungaretti \& Harris, Chicago, Illinois.
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Available Combinations MX Securities


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| MX Securities |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{c}\text { Related } \\ \text { MX Class }\end{array}$ | Maximum <br> Original Class <br> Principal Balance <br> or Class <br> Notional Balance(1) | $\begin{aligned} & \text { Principal } \\ & \text { Type(2) } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Interest } \\ \text { Rate } \end{gathered}$ | Interest Type(2) | $\begin{gathered} \text { CUSIP } \\ \text { Number } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date(3) } \\ \hline \end{gathered}$ |  |
| LG | \$171,393,271 | SC/PT | 7.00\% | FIX | 38373TKE4 | February 2027 | N/A |
| LH | \$ 79,749,536 | SC/PT | 7.25\% | FIX | 38373 TKF1 | April 2024 | N/A |
| LJ | \$ 62,363,151 | SC/PT | 7.30\% | FIX | 38373 TKG9 | January 2025 | N/A |
| LK | \$ 74, 440,412 | SC/PT | 7.32\% | FIX | 38373 TKH7 | February 2026 | N/A |
| LM | \$ 39,658,088 | SC/PT | 7.50\% | FIX | 38373 TKJ3 | May 2026 | N/A |
| MA | \$642,559,014 | SC/SEQ | (6) | W | 38373 TKX2 | August 2018 | N/A |


| REMIC Securities |  |
| :---: | :---: |
|  | Original Class <br> Principal Balance <br> or Class |
| Class | Notional Balance |
| Security Group 8 |  |
| Combination 7 |  |


|  |  |  |  | curities |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Related MX Class |  | $\underset{\substack{\text { Principal } \\ \text { Type(2) }}}{ }$ | Interest Rate | Interest <br> Type(2) | $\begin{gathered} \underset{\text { CUSIP }}{\text { Number }} \\ \hline \end{gathered}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date }(3) \\ \hline \end{gathered}$ | $\begin{gathered} \text { Increased } \\ \text { Minimum } \\ \text { Denomination(4) } \\ \hline \end{gathered}$ |
| MZ | \$382,100,000 | SC/SEQ | (6) | W/Z | 38373 TKW 4 | February 2029 | N/A |
| SE | \$184,351,037 | SC/NTL(PT) | (5) | INV/IO | 38373 TKL 8 | May 2029 | \$1,267,000* |
| SF | \$184,351,037 | SC/NTL(PT) | (5) | INV/IO | 38373 TKM6 | May 2029 | \$1,105,000* |
| SG | \$184,351,037 | SC/NTL(PT) | (5) | INV/IO | 38373 TKN4 | May 2029 | \$4,384,000* |
| SL | \$ 19,035,296 | SC/PT | (5) | INV/DLY | 38373 TKP9 | March 2024 | \$ 93,000 |
| SQ | \$ 57, 547,745 | SC/NTL (PT) | (5) | INV/IO | 38373 TKQ7 | September 2023 | \$1,163,000* |
| ST | \$ 57,547,745 | SC/NTL(PT) | (5) | INV/IO | 38373 TKR 5 | September 2023 | \$ 990,000* |


| REMIC Securities |  |
| :---: | :---: |
| Class | Original Class Principal Balance or Class Notional Balance |
| Combination 13 |  |
|  | \$ 27,000,000 |
| ZA | 111,000,000 |
| ZB | 9,400,000 |
| ZD | 20,000,000 |
| ZE | 58,400,000 |
| ZG | 60,000,000 |
| ZH. | 30,000,000 |
| ZJ | 24,500,000 |
| ZL | 27,200,000 |
| ZM . | 14,600,000 |
| Security Group 13 |  |
| Combination 14 |  |
| SB | \$184,351,037 |
|  | 184,351,037 |
| Combination 15 |  |
|  | \$184,351,037 |
|  | 184,351,037 |
| SD | 184,351,037 |
| Combination 16 |  |
| SC | \$184,351,037 |
| SD | 184,351,037 |
| Security Group 14 |  |
| Combination 17 |  |
| EK | \$ 19,035,296 |
| SK | 88,831,381 |
| Security Group 15 |  |
| Combination 18 |  |
| SM | \$ 57,547,745 |
| SN | 57,547,745 |
| Combination 19 |  |
| SM | \$ 57,547,745 |
| SN | 57,547,745 |
| SO | 57,547,745 |


(1) 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.
(2) As defined under "Class Types" in Appendix I to this Supplement.
(3) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.
(4) Each Class will be issued in the denominations specified. If no denomination is indicated for a Class, that Class will be issued in the denomination specified under "Description of the Securities - Form of Securities" in this Supplement. (5) The Interest Rate will be calculated as described under "Terms Sheet - Interest Rates" in this Supplement.
(6) The Interest Rate will be equal to the weighted average interest rate of the related REMIC Classes based on the Class Principal Balances of such Classes as of the related Record Date. The initial Interest Rate for Class MA is approximately $6.65939 \%$ and for


* Notional Balance


## Exhibit A


(1) As defined under "Class Types" in Appendix I to the Base Offering Circular. (2) Underlying Certificate Factors are as of November, 2001 (3) These Underlying Certificates bear interest during their respective interest accrual periods, subject to the applicable maximum and minimum interest rates, as further described in the related Underlying REMIC Disclosure Documents, excerpts of which are attached as Exhibit B to this Supplement.
(This page intentionally left blank)

Cover Pages and Terms Sheets from Underlying REMIC Disclosure Documents

# \$537,174,932 <br> Government National Mortgage Association 



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

Ginnie Mae REMIC Trust 2001-2
$\qquad$

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 February 28, 2001.

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
Myerberg \& Company, L.P.

The date of this Offering Circular Supplement is February 22, 2001.

## Ginnie Mae REMIC Trust 2001-2

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.


[^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: Salomon Smith Barney Inc.
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: February 28, 2001
Distribution Dates: For the Group 3 Securities, the 16 th day of each month or, if the 16 th day is not a Business Day, the first Business Day thereafter, commencing in March 2001. For the Group 1, Group 2, Group 4, Group 5, Group 6 and Group 8 Securities, the 20th day of each month or, if the 19th day or the 20th day is not a Business Day, the first Business Day following the 20th day of each month, commencing in March 2001. For the Group 7 Securities, the first Business Day following each Underlying REMIC Distribution Date, commencing, in March 2001. The "Underlying REMIC Distribution Date" for the Group 7 Securities is the 16th day of each month or, if the 16th day is not a business day, the first business day thereafter. For purposes of the definition of Underlying REMIC Distribution Date, "business day" will have the meaning assigned to it for the related Underlying REMIC Trust.

## Trust Assets:

| $\begin{aligned} & \text { Trust } \\ & \text { Asset } \\ & \text { Group } \\ & \hline \end{aligned}$ | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II | 6.5\% | 30 |
| 2 | Underlying Certificates | (1) | (1) |
| 3 | Ginnie Mae I | 8.5\% | 30 |
| 4 | Underlying Certificates | (1) | (1) |
| 5 | Ginnie Mae II | 7.0\% | 30 |
| 6 | Underlying Certificates | (1) | (1) |
| 7 | Underlying Certificates | (1) | (1) |
| 8 | Underlying Certificates | (1) | (1) |

${ }^{1}$ Information regarding the Underlying Certificates and the related Mortgage Loans is set forth in Exhibits A and B to this Supplement.

Security Groups: This series of Securities consists of multiple Security Groups, as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Security 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, Group 3, and Group 5 Trust Assets ${ }^{1}$ :

## Principal Balance $^{2}$

$$
\begin{gathered}
\text { Weighted Average } \\
\text { Remaining Term to } \\
\text { Maturity (in months) }
\end{gathered}
$$

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


| Weighted |
| :---: |
| Average |
| Mortgage Rate ${ }^{3}$ | Mortgage Rate ${ }^{3}$

## Group 1 Trust Assets

\$147,000,000 325

Group 3 Trust Assets $\$ 77,000,000$
Group 5 Trust Assets \$190,120,402 326
9.00\% 30
7.29\%

$$
30
$$

7.75\%
${ }^{1}$ As of February 1, 2001.
${ }^{2}$ Does not include Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Group 1 and Group 5 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 Group 5 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 information regarding the characteristics of the Mortgage Loans included in the Underlying REMIC Trusts.

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 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 Rate(2) | $\begin{aligned} & \text { Minimum } \\ & \text { Rate } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + 0.40\% | 6.08500\% | 0.40\% | 8.5000000\% | 0 | 0.00\% |
| FY | LIBOR + 0.45\% | 6.03000 | 0.45 | 8.5000000 | 0 | 0.00 |
| PF | LIBOR + 0.45\% | 6.03000 | 0.45 | 8.5000000 | 0 | 0.00 |
| SA | 8.10\% - LIBOR | 2.41500 | 0.00 | 8.1000000 | 0 | 8.10 |
| SC | $43.5406699 \%$ - (LIBOR x 6.2200957) | 8.83254 | 0.00 | 43.5406699 | 0 | 7.00 |
| SD | 110.0\% - (LIBOR x 14.2857143) | 10.00000 | 0.00 | 10.0000000 | 0 | 7.70 |
| SE | $37.6923077 \%-($ LIBOR $\times 5.3846154)$ | 7.70000 | 0.00 | 37.6923077 | 0 | 7.00 |
| SG | 80.0\% - (LIBOR x 10) | 10.0000 | 0.00 | 10.0000000 | 0 | 8.00 |
| SM | $33.3666666 \%-(L I B O R \times 4.3333333)$ | 9.18667 | 0.00 | 33.3666666 | 0 | 7.70 |
| SN | 28.0\% - (LIBOR x 3.5) | 8.50500 | 0.00 | 28.0000000 | 0 | 8.00 |
| ST | 8.05\% - LIBOR | 0.35000 | 0.00 | 0.3500000 | 0 | 8.05 |
| SX | $37.5666666 \%-($ LIBOR x 4.6666666) | 11.52670 | 0.00 | 37.5666666 | 0 | 8.05 |
| SY | $35.9333333 \%$ - (LIBOR x 4.6666667) | 9.89330 | 0.00 | 35.9333333 | 0 | 7.70 |

(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

The Group 1 Principal Distribution Amount will be allocated concurrently as follows:

1. $48.3732142857 \%$ sequentially as follows:
a. To NA, until retired
b. Concurrently:
(a) $65.5599944896 \%$ sequentially, to $\mathrm{MA}, \mathrm{MB}$ and MC , in that order, until retired
(b) $34.4400055104 \%$ to MK, until retired
c. Sequentially, to MD, ME, MG, MH and MJ, in that order, until retired
2. $51.6267857143 \%$ sequentially as follows:
a. Concurrently, until HG is retired:
(a) $48.7654320988 \%$ sequentially, to $\mathrm{HA}, \mathrm{HB}, \mathrm{HC}, \mathrm{HD}, \mathrm{HE}$ and HG , in that order, until retired
(b) $51.2345679012 \%$ sequentially, to B and K , in that order
b. To K, until retired

## SECURITY GROUP 2

The Group 2 Principal Distribution Amount will be allocated in the following order of priority: $S C / S E Q\left\{\begin{array}{l}\text { 1. Sequentially, to GA and GB, in that order, until retired } \\ 2 . \text { Concurrently, to GC and GD, pro rata, until retired }\end{array}\right.$

## SECURITY GROUP 3

PT $\quad$ The Group 3 Principal Distribution Amount will be allocated to FA, until retired

## SECURITY GROUP 4

SC/SEQ $\left\{\begin{array}{l}\text { The Group } 4 \text { Principal Distribution Amount will be allocated, sequentially, to UA, } \\ \text { UB, UC and UD, in that order, until retired }\end{array}\right.$ UB, UC and UD, in that order, until retired

## SECURITY GROUP 5

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

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

TAC
and
Accrual $\quad\left\{\begin{array}{l}\text { 1. To YA, until reduced to its Scheduled Principal Balance for that Distribution Date } \\ \text { 2. To ZA, until retired }\end{array}\right.$

- The Group 5 Adjusted Principal Distribution Amount in the following order of priority:

PAC $\quad\left\{\begin{array}{l}\text { 1. Sequentially, to PA, PK, PB and PC, in that order, until reduced to their Aggregate } \\ \text { Scheduled Principal Balance for that Distribution Date }\end{array}\right.$
2. Concurrently:


PAC $\quad\left\{\begin{array}{l}\text { 3. Sequentially, to PA, PK, PB and PC, in that order, without regard to their } \\ \text { Aggregate Scheduled Principal Balances, until retired }\end{array}\right.$

## SECURITY GROUP 6

SC/PT $\quad\{$ The Group 6 Principal Distribution Amount will be allocated, concurrently, to SC and SD, pro rata, until retired

## SECURITY GROUP 7

$\mathrm{SC} / \mathrm{PT} \quad\left\{\begin{array}{l}\text { The Group } 7 \text { Principal Distribution Amount will be allocated, concurrently, to SE } \\ \text { and SG, pro rata, until retired }\end{array}\right.$

## SECURITY GROUP 8

SC/SEQ $\left\{\begin{array}{l}\text { The Group } 8 \text { Principal Distribution Amount will be allocated, sequentially, to WA, } \\ \text { WB, WC and WD, in that order, until retired }\end{array}\right.$
Scheduled Principal Balances: The 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 and Rate:

## Class

PA, PB, PC, and PK (in the aggregate) .......................... 100\% PSA through 250\% PSA
PF..................................................................... 100\% PSA through 250\% PSA
YA
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 ZA 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 Balance indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| NI | \$ 2,912,067 | 6.6153846154\% of NA (SEQ Class) |
| PJ | 9,835,872 | $14.2857142857 \%$ of PA \& PK (in the aggregate) (PAC Classes) |
| SA | 77,000,000 | 100\% of FA (PT Class) |
| ST | 22,525,432 | 466.6666942898\% of SY (SUP Class) |
| UI | 3,152,857 | $7.1428571429 \%$ of UA, UB, UC \& UD (in the aggregate) (SC/SEQ 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 Interests of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.

## $\mathbf{\$ 3 6 0 , 0 0 0 , 0 0 0}$



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 firont cover.

## The Ginnie Mae Guaranty

Ginnic Mae will guarantee the timely payment of principal and interest on rbe securitics. The Gintue Mae Guataty is Lacked bey the full faith and ctedit of the Uirited States of Annerica.
The Trust and its Assets
The 'lirust will own Ginnie Mae Cerrificates.
'l'he Sponsor and the Co.Spossor will offer the securities from time to time in negotiated ctansactions at warying prices. We. expect the closing date to be Febtuaty 28, 2001.

You should read che Base Offering Circular as well as this Supplement.
The secutites ate exemp from registration under the Securities Act of 1933 and are "excmpted securities" under the Securities Exchange Act of 1934.

Greenwich Capital Ormes Capital Markets, inc.

## Ginnie Mae REMIC Trust 2001-05

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 <br> REMIC Securities | Original <br> Principal <br> Balance(2) | Interest <br> Rate |  | Principal <br> Type(3) |  |  | Interest <br> Type(3) | Final <br> Distribution <br> Date(4) |
| :--- | ---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

(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 or Component with which the Class Notional Balance of each Notional Class will be reduced is indicated in parentheses as described in this Supplement.
(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 terns sheet contains selected information For quick reference only. You should read this Suppletnent, prarticularly "Risk Factors," and each of the orher doouments bisted under "Amailable Jr:forsาarion."
Sponsor: Gxecnwich Capital Markers, The
Trustee: Scate Street Bank and 'Irust Company
Tax Administrator:The Trustee
Closing Date: Fetmaty 28, 2001
Distribution Date:' The 20rh day of each month or, if the 19th day or the 20th day is not at Business Day, the first Business Day following the: 2loth day of each troorth, corntrencitug it March 2001.

## Trust Assets:

| Trust Asset Type | Certificste Rate | Original Term <br> To Maturity <br> (in years) |
| :---: | :---: | :---: |
|  | $7.0 \%$ | 30 |

## Assumed Characteristics of the Mortgage Loans Underlying the Trust Assets

| Principal Balancé | Weighted Average Remaining Term to Maturity (in months) | Weighted Average Loan Age (in months) | Weighted Average Mortgage Rate |
| :---: | :---: | :---: | :---: |
| \$360,000,004) | 357 | 2 | 7.70\% |

1 is of Felruary 1,2001
, Daes ant include 'I'rust issiets that will lee added tor pay the "Ttustee Ftee.
 anาาum atwaw the (ecriticate Rate.

The actual semaining torms to maturity, loan ages and Mortgage Rates of tomy of the Mortgage: Tonass will differ from the wcighted averages shown above, perhaps sigrificantly. .fer "The Tweri

Modification and Exchangeff you own cxchangcable Sccuritics you will be able, upon notice and payment of an exchange fee, to exchange chem for a proportionate interest in the related Securities shown on Schedule 1 to this Supplement. See "Desmiption of the Searmites - Woblituation and Fixchange" in dis. smpplemem.

Increased Minimum Denomination ClassesEach Class that constitutes a Principal Orly, Tinterest Only, or Inverse Floating Rate Class. See "Dencyiption of the fecuritize — Finm of Semititis" in this Suppkink

Interest Rates: The Intcrest Rates fot the Fixed Rate Classes ate showth on the inside cover page of this Supplement or on Schedule I to this Supploment.
'The Floating Rate and Inverse Floating Rate Classes will bear interest at per anuum rates based on one-month $\perp \mathrm{LBOR}$ (hereinafter referred to as "LDBOR") as follows:

LIBOR

| Class | Intercat Rate <br> Formala (1) | $\begin{gathered} \text { Initial Interest } \\ \text { Rate(2) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Minimum } \\ \text { Rate } \\ \hline \end{gathered}$ | Maximum Rate | $\begin{gathered} \text { Delay } \\ \text { (in days) } \end{gathered}$ | for Minimam Intereat Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 Faxir |  | 60\%\% | (150\%\% | 4.59\% | 0 | 0,00\% |
| FA |  | 600 | 0.45 | 85 | 1) | 000 |
| 8 | 8.0 m -LINOR | 243 | $0 \times 0$ | 8 Sm | 0 | 800 |
| SEPalla | .7.12\%\%-(LIX)R $\times 6$. | 1092 | 09 | 47.125 | $\square$ | 73 |
| * |  | 9 S SkN15 | 000 | 9089\% | (1) | $8 i \infty$ |
| SI) | $810 \% \mathrm{LIIOR}$ | 005 | 000 | 005 | 0 | 805 |



 1.lerecilite.

Allocation of Principal:On cach Distribution Date, a petecntage of the Principal Distribution Amenur witl be applied to rhe 'I'rustee Fece, and the remainder of the: Principal Distribution Amolent (the "Adjusted Priacipal Distribution Amounr"), the C7. Acernial Amount and the Z. Accrual Amount will be allocated as follows:

- The C $\angle A$ Accrual Amount in the following order of priority:

$$
\begin{aligned}
& \text { sicined } \\
& \text { Actual }
\end{aligned} \begin{cases}\text { 1. Goncurently, to } \mathrm{F} 2, \mathrm{~F}, ~ 2, \mathrm{FG} 2, \mathrm{PO} \text { and } \mathrm{SC}, \text { pro tata, und reduced to their } \\
\text { Aggregate Scheduled I'tincipal Balance For that Distribution Date }\end{cases}
$$

- The Adjusted Principal Distribution Amount and the $\angle$ Accrual Amontre in the following order of priority:

|  | 1. To the PAC. Classes and Components, until reduced to their Aggregate Sched |
| :---: | :---: |
|  | a. Concurestrly: |
|  | i. $2.5 \%$ concurrenty, to Fil, FA 1 and $\Gamma \mathrm{C} 1$, pro rata, until retived |
|  | ii. $75 \%$ in the following order of prionity: |
|  | (1) cotheurtently, $69.1690485118 \%$ to TJ and $30.8309514882 \%$ to PK until PR is retired |
|  | (2) concurrently, (a) to $\mathrm{L}^{\mathrm{P}}$ and (b) sequentially, to PK and P T , in that: order turull teitred |
|  | To PM, untill retited |
| :sclacki.l.tx\| |  Aggregate Echechuled Principal Balance for that Distribution Date |
| K! | \{ 3. To C7, until retired |

Scisulusi $\{4$. Concurrently, to $\mathrm{H} 2, \mathrm{FA} 2, \mathrm{FG} 2, \mathrm{PO}$ and $\mathrm{SC}, \mathrm{pro}$ rata, without rcgand to their \{ Aggregate Scheduled Principal Balance, untif reared
5. To the PAC Classes and Components, in the mamer and order of prionty
wa $\left\{\begin{array}{l}\text { describud in Step } 1, \text { but witherut tegatd to their iggeregate Scheduled Principal }\end{array}\right.$ Balance, unvil rerired

Scheduled Principal Balancest'he Aggregare Scheduled Principal Balances for the Classes and Cotriponents iisted below are included in Schedule II to this Supplement. '1hey were calculated 1sing, atmeng othet things, the following Structuring Ranges:

## Classes and Componerte

## Range

F1, FÁ1, FG1, PJ, PK, PM, PR and P'I'
(in the agregate)...
$100 \%$ PSA through $350 \%$ PSA
$\mathrm{F} 2, \mathrm{Fi} 2, \mathrm{FG} 2,1 \mathrm{O}$ and SC
(ith the aggrevate) .. .............................. $230 \% \mathrm{PSA}$ through $240 \% \mathrm{PS}$ A
Accrual Classes: Intercst will acernc on cach Accrual Class idernified on the inside ftont cover of this Supplement at the per annum rate set feath on that payge. Howevet, the interest will be discributed to che Accrual Classes as interest. Interest so accrued on cach Accrual Class on cach Distribuuion Date will consisiute an Acctual Amount, which will be added to the Class Principal Balance of that Class on each Distribuuion Date and will be distributable as principal as ser forth in this Termes Sheer uncler "Aflosation of Principal."
Notional Classes: The Notional Classes will not teceive distributions of pritacipal but have Class Norional Balanes. for convenicnee in describing their entilements to interest. The Class Neticonal Balance of each Notional Class represents the percentage indicated below off, and rectuces to that extent with, the Class Principal Balance or Componest Principal Balanec: medicatec:


Component Classes:For purposes of calculating distribucions of principal, Classes F, Fis and FG are each comprisect of two components having the designations and charactetistics set forth below. Components are not separately transferable from the tolated class of Sccurics.

| Class | Components | $\begin{gathered} \text { Principal } \\ \text { Type } \\ \hline \end{gathered}$ | Origial Component <br> Principal <br> Balance |
| :---: | :---: | :---: | :---: |
| 「 | $\Gamma 1$ | PAC | \$ 14, 167,318 |
|  | $\bar{T}$ | SCHI | 55,832,682 |
| 「A | TA1 | PAC. | 6,389,106 |
|  | FA2 | SCH | 18,610,894 |
| 1'3 | $\cdots \mathrm{G}$ | PhC | 17,261,976 |
|  | FC12 | SCH | 50, 282,589 |

Tax Status: Double REMC Series. See "Conain Feteral Inome Ter Consequenas" in thir Swplement awdin the Baise Offering Cinulk:
Regular and Residual Classesclass RR is a Residual Class and includes the Residual Incerests of the [ssuing REMIC and the Poolitg REMIC; all other Classes of REMIC Secutites ate Rescrald Canses.

# \$2,155,000,000 <br> Government National Mortgage Association 



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.

## GINNIE MAE ${ }^{\circledR}$

Guaranteed REMIC Pass-Through Securities and MX Securities
Ginnie Mae REMIC Trust 2001-6

## 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 March 30, 2001.

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
Myerberg \& Company, L.P.
The date of this Offering Circular Supplement is March 22, 2001.

## Ginnie Mae REMIC Trust 2001-6

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.

(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: March 30, 2001
Distribution Dates: For the Group 2, Group 3, Group 4 and Group 5 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 2001. For the Group 1 Securities, the 20th day of each month or, if the 19th day or the 20th day is not a Business Day, the first Business Day following the 20th day of each month, commencing in April 2001.

Trust Assets:

| Trust <br> Asset <br> Group | $\underline{\text { Trust Asset Type }}$ | Certificate Rate | Original Term <br> To Maturity <br> (in years) <br> 1 |
| :---: | :--- | :---: | :---: |
| Ginnie Mae II | $7.0 \%$ | 30 |  |
| 2 | Ginnie Mae I | 7.0 | 30 |
| 3 | Ginnie Mae I | 7.5 | 30 |
| 4 | Ginnie Mae I | 6.5 | 30 |
| 5 | Ginnie Mae I | 9.0 | 30 |

Security Groups: This series of Securities consists of multiple Security Groups, as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Security 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 ${ }^{1}$ :



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

> | Weighted |
| :---: |
| Average |
| Mortgage Rate $^{3}$ |

## Group 1 Trust Assets

 \$605,000,000 3533
7.75\%

Group 2 Trust Assets
\$150,000,000 33

334
$24 \quad 7.50 \%$
32 7.50\%
600,000,000
322
\$750,000,000
Group 3 Trust Assets
\$150,000,000 310
$43 \quad 8.00 \%$
Group 4 Trust Assets
\$500,000,000 329
$30 \quad 7.00 \%$
Group 5 Trust Assets
$\$ 150,000,00035$
352
6
9.50\%
${ }^{1}$ As of March 1, 2001.
${ }^{2}$ Does not include Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Group 1 Trust Assets 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 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.

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 <br> for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FB | LIBOR + 0.40\% | 5.9700\% | 0.40\% | 8.5000\% | 0 | 0.00\% |
| FC | LIBOR + 0.45\% | 6.0300 | 0.45 | 8.5000 | 0 | 0.00\% |
| FD | LIBOR + 0.25\% | 5.4837 | 0.25 | 9.0000 | 0 | 0.00\% |
| FE | LIBOR + 0.25\% | 5.4837 | 0.25 | 9.0000 | 0 | 0.00\% |
| FG | LIBOR + 0.25\% | 5.4837 | 0.25 | 9.0000 | 0 | 0.00\% |
| FH | LIBOR + 0.30\% | 5.5337 | 0.30 | 9.0000 | 0 | 0.00\% |
| FI | LIBOR + 0.25\% | 5.4837 | 0.25 | 9.0000 | 0 | 0.00\% |
| FJ | LIBOR + 0.35\% | 5.5837 | 0.35 | 9.0000 | 0 | 0.00\% |
| FK | LIBOR + 0.40\% | 5.6337 | 0.40 | 9.0000 | 0 | 0.00\% |
| FX. | LIBOR + 0.45\% | 5.6837 | 0.45 | 9.0000 | 0 | 0.00\% |
| QA | 1566.00\% - (LIBOR $\times 180.00$ ) | 9.0000 | 0.00 | 9.0000 | 0 | 8.70\% |
| QB | $1557.00 \%$ - (LIBOR $\times 180.00$ ) | 9.0000 | 0.00 | 9.0000 | 0 | 8.65\% |
| QC | $1548.00 \%$ - (LIBOR $\times 180.00$ ) | 9.0000 | 0.00 | 9.0000 | 0 | 8.60\% |
| SB. | 8.10\% - LIBOR | 2.5300 | 0.00 | 8.1000 | 0 | 8.10\% |
| SC | 26.1625\% - (LIBOR $\times 3.25$ ) | 8.0275 | 0.00 | 26.1625 | 0 | 8.05\% |
| SD. | 8.55\% - LIBOR | 3.3163 | 0.00 | 8.5500 | 0 | 8.55\% |
| SE | 1575.00\% - (LIBOR $\times 180.00$ ) | 9.0000 | 0.00 | 9.0000 | 0 | 8.75\% |
| SI | 8.75\% - LIBOR | 3.5163 | 0.00 | 8.7500 | 0 | 8.75\% |
| SJ | 8.70\% - LIBOR | 3.4663 | 0.00 | 8.7000 | 0 | 8.70\% |
| SK | 8.65\% - LIBOR | 3.4163 | 0.00 | 8.6500 | 0 | 8.65\% |
| SL . | 8.60\% - LIBOR | 3.3663 | 0.00 | 8.6000 | 0 | 8.60\% |

(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 ZA Accrual Amount, the ZB Accrual Amount and the ZD Accrual Amount will be allocated as follows:

- The ZA Accrual Amount and ZB Accrual Amount in the following order of priority:

PAC $\quad\{$ 1. To YA, until reduced to its Scheduled Principal Balance for that Distribution Date
таС $\quad\left\{\begin{array}{l}\text { 2. Sequentially, to } \mathrm{ZB} \text { and } \mathrm{A}, \text { in that order, until reduced to their Aggregate } \\ \text { Scheduled Principal Balance for that Distribution Date }\end{array}\right.$

Accrual $\left\{\begin{array}{l}\text { 3. To ZA, until retired } \\ \text { 4. To ZB, without regard to its Aggregate Scheduled Principal Balance, until retired }\end{array}\right.$

- The ZD Accrual Amount in the following order of priority:
$\substack{\text { Accretion } \\ \text { Directed, } \\ \text { Supdort } \\ \text { and } \\ \text { Accrual }}$$\left\{\begin{array}{l}\text { 1. Sequentially, to CH, CJ and CK, in that order, until retired } \\ \text { 2. To ZD, until retired }\end{array}\right.$
- The Group 1 Adjusted Principal Distribution Amount in the following order of priority:

PAC $\quad\{$ 1. Sequentially, to PA, PB, PC and PD, in that order, until reduced to their Aggregate
2. To YA, until reduced to its Scheduled Principal Balance for that Distribution Date

тAC $\quad\left\{\begin{array}{l}\text { 3. Sequentially, to } \mathrm{ZB} \text { and } \mathrm{A}, \text { in that order, until reduced to their Aggregate } \\ \text { Scheduled Principal Balance for that Distribution Date }\end{array}\right.$
Support $\{$ 4. To ZA, until retired
тас $\quad\left\{\begin{array}{l}\text { 5. Sequentially, to } \mathrm{ZB} \text { and A, in that order, without regard to their Aggregate } \\ \text { Scheduled Principal Balance, until retired }\end{array}\right.$
Support $\{$ 6. Sequentially, to CA, CB, CD and CE, in that order, until retired

| Accretion |
| :--- |
| Dinected |
| and |
| support | \(\left\{\begin{array}{c}7. Concurrently, as follows: <br>

a. 59.8930481283 \% to CG, until retired <br>
b. 40.1069518717 \% , sequentially, to CH, CJ, CK and ZD, in that order, until <br>
retired\end{array}\right.\)

PAC $\quad\left\{\begin{array}{l}\text { 8. To YA, without regard to its Scheduled Principal Balance, until retired }\end{array}\right.$
9. Sequentially, to $\mathrm{PA}, \mathrm{PB}, \mathrm{PC}$ and PD , in that order, without regard to their Aggregate Scheduled Principal Balance, 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 ZC Accrual Amount will be allocated as follows:

- The ZC Accrual in the following order of priority:
pac $\quad\left\{\begin{array}{l}\text { 1. To YB, until reduced to its Scheduled Principal Balance for that Distribution } \\ \text { Date }\end{array}\right.$
Accrual $\{$ 2. To ZC, until retired
- The Group 2 Adjusted Principal Distribution Amount in the following order of priority:
pac

1. Sequentially, to PE, PF and PG, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To YB, until reduced to its Scheduled Principal Balance for that Distribution Date

Support
\{ 3. To ZC , until retired
4. Sequentially, to $\mathrm{BA}, \mathrm{BC}, \mathrm{BD}, \mathrm{BE}$ and BF , in that order, until retired
$\int$ 5. To YB, without regard to its Scheduled Principal Balance, until retired
PAC
6. Sequentially, to PE, PF and PG, in that order, without regard to their Aggregate Scheduled Principal Balance, 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:
a. $50 \%$ to FB , until retired
b. $50 \%$, sequentially, to $\mathrm{DA}, \mathrm{MA}, \mathrm{MB}, \mathrm{MC}, \mathrm{MD}$ and ME , in that order, until retired

## SECURITY GROUP 4

A percentage of the Group 4 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 4 Principal Distribution Amount (the "Group 4 Adjusted Principal Distribution Amount") and the ZE Accrual Amount will be allocated as follows:

- The ZE Accrual in the following order of priority:
pac $\quad\{$ 1. Sequentially, to YC, YD and YE, in that order, until reduced to their Aggregate ? Scheduled Principal Balance for that Distribution Date

Accrual $\quad\{$ 2. To ZE, until retired

- The Group 4 Adjusted Principal Distribution Amount in the following order of priority:
PAC $\left\{\begin{array}{l}\text { 1. Sequentially, to PH, PL, PM and PN, in that order, until reduced to their } \\ \text { Aggregate Scheduled Principal Balance for that Distribution Date } \\ \text { 2. Sequentially, to YC, YD and YE, in that order, until reduced to their Aggregate } \\ \text { Scheduled Principal Balance for that Distribution Date }\end{array}\right.$
Support $\left\{\begin{array}{l}\text { 3. To ZE, until retired } \\ \text { 4. Concurrently, to FC and SC, pro rata, until retired } \\ \text { 5. Concurrently, to EG, G and H, pro rata, until retired }\end{array}\right.$


## PAC <br> 6. Sequentially, to YC, YD and YE, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired <br> 7. Sequentially, to PH, PL, PM and PN, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

## Security Group 5

A percentage of the Group 5 Principal Distribution Amount will be applied to the Trustee Fee, and the remainder of the Group 5 Principal Distribution Amount (the "Group 5 Adjusted Principal Distribution Amount") will be allocated in the following order of priority:

PAC

1. Sequentially, to FD and FE , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date

Support $\quad\{$ 2. To FG, until retired
pac
3. Sequentially, to FD and FE , in that order, without regard to their Aggregate Scheduled Principal Balance, until retired

Scheduled Principal Balances: The 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 and Rate:

| Class | Ranges and Rate |
| :---: | :---: |
| PA, PB, PC and PD (in the aggregate) | 95\% PSA through $250 \%$ PSA |
| YA | 120\% PSA through 250\% PSA |
| PE, PF and PG (in the aggregate) | 100\% PSA through $250 \%$ PSA |
| YB | 145\% PSA through 250\% PSA |
| PH, PL, PM and PN (in the aggregate) | 100\% PSA through $250 \%$ PSA |
| YC, YD and YE (in the aggregate) | 121\% PSA through $240 \%$ PSA |
| FD and FE (in the aggregate) | 580\% PSA through 770\% PSA |
| A and ZB (in the aggregate) | 219\% 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 Balance indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| HI | \$ 31,561,538 | 103.8461538462\% of H (SUP Class) |
| JI | \$119,400,000 | 100\% of PC (PAC Class) |
| KI | \$ 47,200,000 | 100\% of PD (PAC Class) |
| LI | \$153,600,000 | 100\% of PF (PAC Class) |
| NI | \$ 76,800,000 | 100\% of PM (PAC Class) |
| OI | \$ 32,100,000 | 100\% of PN (PAC Class) |
| TI | \$ 62,200,000 | 100\% of BA (SUP Class) |
| PI | \$ 28,571,429 | 14.2857142857\% of PA (PAC Class) |
|  | 3,571,428 | $7.1428571429 \%$ of PB (PAC Class) |
|  | $\xlongequal{\$ 32,142,857}$ |  |
| PJ | \$ 48,771,428 | 14.2857142857\% of PE (PAC Class) |
| PK | \$ 22,055,384 | 9.8461538462\% of PH (PAC Class) |
| QA | \$ 833,333 | $0.5555555556 \%$ of FD, FE and FG (PAC \& SUP Classes) |
| QB | \$ 833,333 | $0.5555555556 \%$ of $\mathrm{FD}, \mathrm{FE}$ and FG (PAC \& SUP Classes) |
| QC | \$ 833,333 | $0.5555555556 \%$ of $\mathrm{FD}, \mathrm{FE}$ and FG (PAC \& SUP Classes) |
| SB | \$ 75,000,000 | 100\% of FB (SEQ Class) |
| SD | \$150,000,000 | 100\% of FD, FE and FG (PAC \& SUP Classes) |
| SE | \$ 833,333 | $0.5555555556 \%$ of FD, FE and FG (PAC \& SUP Classes) |
| SI | \$150,000,000 | 100\% of FD, FE and FG (PAC \& SUP Classes) |
| SJ. | \$150,000,000 | 100\% of FD, FE and FG (PAC \& SUP Classes) |
| SK | \$150,000,000 | 100\% of FD, FE and FG (PAC \& SUP Classes) |
| SL | \$150,000,000 | 100\% of FD, FE and FG (PAC \& SUP 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 Interests of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.



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 February 28, 2001.

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 2001-03

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.

| $\begin{aligned} & \text { Class of } \\ & \text { REMIC } \\ & \text { Securities } \end{aligned}$ | Original <br> Principal <br> Balance (2) | $\begin{aligned} & \text { Principal } \\ & \text { Type (3) } \end{aligned}$ | $\begin{gathered} \begin{array}{c} \text { Interest } \\ \text { Rate } \end{array} \\ \hline \end{gathered}$ | $\begin{array}{r} \text { Interest } \\ \text { Type }(3) \text { ) } \\ \hline \end{array}$ | $\begin{gathered} \text { Final } \\ \text { Distribution } \\ \text { Date }(4) \\ \hline \end{gathered}$ | $\underset{\text { Cusip }}{\text { Number }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security |  |  |  |  |  |  |
| Group 1 |  |  |  |  |  |  |
| F | \$202,874,053 | PT | (5) | FLT | February 2031 | 383739DH9 |
| S | 202,874,053 | NTL (PT) | (5) | INV/IO | February 2031 | 383739D J 5 |
| Security |  |  |  |  |  |  |
| Group 2 |  |  |  |  |  |  |
| A | 3,500,000 | SUP | 7.00\% | FIX | June 2030 | 383739D K 2 |
| G | 19,000,000 | SCH | 7.00 | FIX | February 2031 | 383739D L 0 |
| M | 9,494,000 | SUP | 7.00 | FIX | February 2031 | 383739DM8 |
| PB | 12,865,000 | PAC | 7.00 | FIX | March 2030 | 383739DN6 |
| PC | 12,800,000 | PAC | 7.00 | FIX | February 2031 | 383739D P 1 |
| PI(1) | 13,897,197 | NTL (PAC) | 7.00 | FIX/IO | February 2029 | 383739DQ9 |
| PQ(1) | 82,441,000 | PAC | 5.82 | FIX | February 2029 | 383739D 7 |
| ZA. | 9,900,000 | SUP | 7.00 | FIX/Z | March 2030 | 383739D S 5 |
| Residual |  |  |  |  |  |  |
| RR. | 0 | NPR | 0.00 | NPR | February 2031 | 383739D T 3 |

(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 as described in this Supplement.
(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: Lehman Brothers Inc.
Trustee: Bank One Trust Company, N.A.
Tax Administrator: The Trustee
Closing Date: February 28, 2001
Distribution Dates: For the Group 1 Securities, the 16 th day of each month or, if the 16 th day is not a Business Day, the first Business Day thereafter, commencing in March 2001. For the Group 2 Securities, the 20 th day of each month or, if the 19 th day or the 20 th day is not a Business Day, the first Business Day following the 20th day of each month, commencing in March 2001.

Trust Assets:

| Trust Asset Group | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae I | 8.5\% | 30 |
| 2 | Ginnie Mae II | 7.0\% | 30 |

Security Groups: This series of Securities consists of multiple Security Groups, as shown on the inside front cover of this Supplement and on Schedule I to this Supplement. Payments on each Security 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 Loan Age (in months) | Weighted Average Mortgage Rate ${ }^{3}$ |
| :---: | :---: | :---: | :---: |
| Group 1 |  |  |  |
| Trust Assets |  |  |  |
| \$202,874,053 | 280 | 70 | 9.00\% |

## Group 2

Trust Assets
\$150,000,000
355

4
$7.75 \%$
${ }^{1}$ As of February 1, 2001.
${ }^{2}$ Does not include Trust Assets that will be added to pay the Trustee Fee.
${ }^{3}$ The Mortgage Loans underlying the Group 2 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 2 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.

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 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 <br> Formula(1) | $\begin{aligned} & \text { Initial Interest } \\ & \quad \text { Rate(2) } \end{aligned}$ | $\underset{\text { Rate }}{\text { Minimum }}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ | LIBOR for Minimum Interest Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| F | LIBOR + 0.40\% | 6.0\% | 0.4\% | 8.5\% | 0 | 0.00\% |
| S | 8.10\% - LIBOR | 2.5\% | 0.0\% | 8.1\% | 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



## 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 Accrual Amount will be allocated as follows:

- The Accrual Amount in the following order of priority:
$\underset{\substack{\text { Scheduled } \\ \text { and } \\ \text { Accrual }}}{ }\left\{\begin{array}{l}\text { 1. To G, until reduced to its First Scheduled Principal Balance for that Distribution } \\ \text { Date } \\ \text { 2. To ZA, until retired }\end{array}\right.$
- The Group 2 Adjusted Principal Distribution Amount in the following order of priority:

PAC $\quad\{$ 1. To PQ, PB and PC, in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
scheduled $\{$ 2. To G, until reduced to its First Scheduled Principal Balance for that Distribution Date
support $\left\{\begin{array}{l}\text { 3. To ZA, until retired } \\ \text { 4. To A, until retired }\end{array}\right.$
scheduled $\left\{\begin{array}{l}\text { 5. To G, until reduced to its Second Scheduled Principal Balance for that Distribution } \\ \text { Date }\end{array}\right.$
support $\{$ 6. To M, until retired
Scheduled $\{$ 7. To G, without regard to any Scheduled Principal Balance, until retired
$\mathbf{P a C} \quad\left\{\begin{array}{l}\text { 8. To } \mathrm{PQ}, \mathrm{PB} \text { and } \mathrm{PC} \text {, in that order, without regard to their Aggregate Scheduled } \\ \text { Principal Balance, until retired }\end{array}\right.$
Scheduled Principal Balances: The Scheduled Principal Balances and 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 Range and Rates:

| Classes | Range or Rate |
| :---: | :---: |
| PQ, PB and PC |  |
| (in the aggregate) | 120\% PSA through 275\% PSA |
| G (First) | 115\% PSA |
| G (Second) | 220\% PSA |

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 Balance indicated:

| Class | Original Class <br> Notional Balance |  | Represents Approximately |
| :---: | :---: | :---: | :---: |
|  | $\$ 13,897,197$ |  | $16.8571428571 \%$ of PQ (PAC Class) |
| S | $\$ 202,874,053$ |  | $100 \%$ of F (Pass-Through 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 Interests of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.
Schedule I
Available Combinations

| REMIC Securities |  | MX Securities |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Class | $\substack{\text { Original Class } \\ \text { Principal } \\ \text { Balance }}$ | Related MX Class | Maximum Original Class Principal Balance (1) | Principal Type(2) | $\begin{aligned} & \text { Interest } \\ & \text { Rate } \end{aligned}$ | $\begin{aligned} & \text { Interest } \\ & \text { Type }(2) \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { CUSIP } \\ & \text { Number } \\ & \hline \end{aligned}$ | Final Distribution Date (3) |
| Security Group 2 |  |  |  |  |  |  |  |  |
| Combination 1 |  |  |  |  |  |  |  |  |
| PQ | \$82,441,000 | PD | \$82,441,000 | PAC | 5.9\% | FIX | 383739 DU0 | February 2029 |
| PI | 942,183 |  |  |  |  |  |  |  |
| Combination 2 |  |  |  |  |  |  |  |  |
| PQ | 82,441,000 | PE | 82,441,000 | PAC | 6.0 | FIX | 383739 DV 8 | February 2029 |
| PI | 2,119,912 |  |  |  |  |  |  |  |
| Combination 3 |  |  |  |  |  |  |  |  |
| PQ | 82,441,000 | PG | 82,441,000 | PAC | 6.1 | FIX | 383739DW6 | February 2029 |
| PI | 3,297,640 |  |  |  |  |  |  |  |
| Combination 4 |  |  |  |  |  |  |  |  |
| PQ | 82,441,000 | PH | 82,441,000 | PAC | 6.2 | FIX | 383739 DX4 | February 2029 |
| PI | 4,475,369 |  |  |  |  |  |  |  |
| Combination 5 |  |  |  |  |  |  |  |  |
| PQ | 82,441,000 | PJ | 82,441,000 | PAC | 6.3 | FIX | 383739 Y 2 | February 2029 |
| PI | 5,653,098 |  |  |  |  |  |  |  |
| Combination 6 |  |  |  |  |  |  |  |  |
| PQ | 82,441,000 | PK | 82,441,000 | PAC | 6.4 | FIX | 383739 D 79 | February 2029 |
| PI | 6,830,826 |  |  |  |  |  |  |  |
| Combination 7 |  |  |  |  |  |  |  |  |
| PQ | 82,441,000 | PL | 82,441,000 | PAC | 6.5 | FIX | 383739 EA 3 | February 2029 |
| PI | 8,008,555 |  |  |  |  |  |  |  |
| Combination 8 |  |  |  |  |  |  |  |  |
| PQ | 82,441,000 | PM | 82,441,000 | PAC | 7.0 | FIX | 383739 E B 1 | February 2029 |
| PI | 13,897,197 |  |  |  |  |  |  |  |

[^7]
# Government National Mortgage Association 



Guaranteed REMIC Pass-Through Securities<br>and MX Securities<br>Ginnie Mae REMIC Trust 1998-19

The Ginnie Mae REMIC Trust 1998-19 Guaranteed REMIC Pass-Through Securities (the "Securities") represent interests in Ginnie Mae REMIC Trust 1998-19 (the "Trust"). The assets of the Trust (the "Trust Assets") consist primarily of (i) Ginnie Mae Certificates guaranteed pursuant to Ginnie Mae programs for first lien, single-family, fixed rate, residential mortgage loans ("Trust MBS") and (ii) certain previously issued REMIC certificates (the "Underlying REMIC Certificates"), as further described in Exhibits A and B hereto, evidencing interests in trusts consisting primarily of Ginnie Mae Certificates.
Guaranteed REMIC Pass-Through Securities ("REMIC Securities") of certain Classes may, upon notice and payment of an exchange fee, be exchanged for a Class (each, an "MX Class") of Modifiable and Exchangeable Securities ("MX Securities") as described under "Description of the Securities-Modification and Exchange" herein. Unless the context requires otherwise, the term "Securities" includes REMIC Securities and MX Securities and the term "Classes" includes Classes of REMIC Securities and MX Securities.
The Classes listed in the table below and the MX Classes are offered pursuant to this Offering Circular Supplement and the Base Offering Circular. The Regular and MX Classes comprise four Security Groups. Payments on Security Group 1 will be based solely on payments on the Group 1 Trust Assets, payments on Security Group 2 will be based solely on payments on the Group 2 Trust Assets, payments on Security Group 3 will be based solely on payments on the Group 3 Trust Assets and payments on Security Group 4 will be based solely on payments on the Group 4 Trust Assets. Unless indicated otherwise, capitalized terms used herein shall have the meanings assigned to them in the glossary attached as Appendix III to the Base Offering Circular. For a discussion of certain material risks in connection with the purchase of the Securities, see "Risk FactorsClass Investment Considerations" on page S -15 of this Supplement.
GINNIE MAE GUARANTEES 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 SECURITIES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT OF 1933 AND CONSTITUTE EXEMPTED SECURITIES UNDER THE SECURITIES EXCHANGE ACT OF 1934.
(Cover continued on next page)

| Class of REMIC Securities | Original Principal Balance (2) | Interest Rate | Principal Type(3) | Interest <br> Type(3) | Final Distribution Date(4) | Weighted Average Life (in years) (5) | CUSIP <br> Number | Class of REMIC Securities | Original Principal Balance(2) | Interest Rate | Principal <br> Type(3) | Interest <br> Type(3) | Final Distribution Date(4) | Weighted Average Life (in years) (5) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security | Group 1 |  |  |  |  |  |  | GA .. \$ | \$ 50,000,000 | 6.750\% | SEQ | FIX | February 2023 | 7.1 | 3837H1UN9 |
| A | \$101,800,000 | 6.500\% | AD/SEQ/SC | FIX | October 2020 | 11.4 | 3837H1UA7 | VC | 31,000,000 | 6.500 | AD/SEQ | FIX | July 2005 | 3.8 | 3837H1UP4 |
| VA | 34,400,000 | 6.500 | AD/SEQ/SC | FIX | July 2005 | 3.8 | 3837H1UB5 | VD | 27,000,000 | 6.500 | AD/SEQ | FIX | November 2009 | 9.2 | 3837H1UQ2 |
| VB | 56,628,000 | 6.500 | AD/SEQ/SC | FIX | October 2012 | 10.9 | 3837H1UC3 | VE | 40,800,000 | 6.500 | AD/SEQ | FIX | August 2014 | 13.3 | 3837H1UR0 |
| ZA | 60,000,000 | 6.500 | SEQ/SC | FIX/Z | April 2028 | 19.9 | 3837H1UD1 | ZB | 54,000,000 | 6.500 | SEQ | FIXIZ | July 2028 | 20.1 | 3837H1US8 |
| Security | Group 2 |  |  |  |  |  |  | Security G | Group 4 |  |  |  |  |  |  |
| EA(1) .. | 48,600,000 | 0.000 | PT | PO | July 2028 | 6.6 | 3837H1UE9 | G | 34,850,000 | 6.500 | SEQ | FIX | October 2017 | 2.5 | 3837H1UT6 |
| FB .. | 170,100,000 | (6) | PT | FLT | July 2028 | 6.6 | 3837H1UF6 | P | 34,850,000 | 7.500 | SEQ | FIX | October 2017 | 2.5 | 3837 H 1 UU 3 |
| SB(1).. | 170,100,000 | (6) | NTL (PT) | INV/IO | July 2028 | 6.6 | 3837H1UG4 | H | 70,300,000 | 7.000 | SEQ | FIX | October 2024 | 7.0 | 3837H1UV1 |
| Security | Group 3 |  |  |  |  |  |  | K(1) | 20,000,000 | 7.000 | SEQ | FIX | March 2026 | 11.7 | 3837H1UW9 |
| B .. | 56,400,000 | 6.500 | SEQ | FIX | February 2023 | 4.8 | 3837 H 1 UH 2 | M(1) | 20,000,000 | 7.000 | SEQ | FIX | June 2027 | 15.3 | 3837H1UX7 |
| BA | 207,600,000 | 6.375 | SEQ | FIX | February 2023 | 4.8 | 3837H1UJ8 | N(1) .. | 20,000,000 | 7.000 | SEQ | FIX | July 2028 | 22.2 | 3837 H 1 UY 5 |
| C | 79,400,000 | 6.500 | AD/SEQ | FIX | February 2021 | 11.6 | 3837H1UK5 | Residual |  |  |  |  |  |  |  |
| DA .. | 40,063,830 | 6.150 | SEQ | FIX | June 2016 | 2.6 | 3837H1UL3 | R | 0 | 0.000 | NPR | NPR | July 2028 | - | 3837H1VD0 |
| DB | 13,736,170 | 8.500 | SEQ | FIX | June 2016 | 2.6 | 3837H1UM1 |  |  |  |  |  |  |  |  |

(1) Denotes a Class which is exchangeable for an MX Class. See Exhibit I to this Supplement for a description of the MX Classes.
(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) The Weighted Average Lives of Security Group 1, Security Group 2, Security Group 3 and Security Group 4 are calculated at 145\% PSA, 190\% PSA, $145 \%$ PSA and $180 \%$ PSA, respectively, in each case determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or at any other constant rate, and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.
(6) The Floating Rate and Inverse Floating Rate Classes will bear interest as described under "Terms Sheet-Interest Rates" in this Supplement.

The Securities are being offered by Salomon Brothers Inc (the "Sponsor") and Blaylock \& Partners, L.P. (the "Co-Sponsor") from time to time in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from July 1, 1998 on the Fixed Rate Classes and from July 16, 1998, on the Floating Rate and Inverse Floating Rate Classes.
The Securities are being offered by the Sponsor, subject to prior sale or to withdrawal or modification of the offer without notice, when, as and if delivered to and accepted by the Sponsor, subject to the right of the Sponsor to reject any order in whole or in part and subject to approval of certain legal matters by counsel. It is expected that the Regular Securities (or related MX Securities) will be ready for delivery in Book-Entry Form through the facilities of Participants Trust Company and the Residual Securities will be delivered in certificated form to the offices of Salomon Brothers Inc in New York, New York, on or about July 30, 1998.

## GINNIE MAE REMIC TRUST 1998-19 TERMS SHEET

This terms sheet (the "Terms Sheet") contains selected information for quick reference only. Prospective investors should read this Supplement, particularly "Risk Factors-Class Investment Considerations," and the Base Offering Circular for further information. Prospective investors in the Group 1 Securities are also urged to read the information included in Exhibits A and B hereto relating to the Underlying REMIC Certificates.

Sponsor: Salomon Brothers Inc
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: July 30, 1998
Distribution Dates: For the Group 1, Group 3 and Group 4 Securities, the 20th day of each month or, if the 19th day or the 20th day is not a Business Day, the first Business Day following the 20th day, commencing in August 1998. 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 following the 16th day.

Trust Assets:

| Trust Asset <br> Group | Trust Asset Type | Certificate Rate | Original Term <br> To Maturity <br> (in years) <br> 1 |
| :---: | :---: | :---: | :---: |
|  | Underlying REMIC Securities | $*$ | $*$ <br> 2 |
|  | Ginnie Mae I Certificates | 7.0 | 30 |
| 3 | Ginnie Mae II Certificates | 6.5 | 30 |
| 4 | Ginnie Mae II Certificates | 7.0 | 30 |

* Information regarding the Underlying REMIC Certificates, and the underlying Mortgage Loans, is set forth in Exhibits A and B hereto. See "Risk Factors - Class Investment Considerations - The Group 1 Securities" for a discussion of the Underlying REMIC Certificates.


## Security Groups:

Group 1 Securities: Classes A, VA, VB and ZA (REMIC Securities)
Group 2 Securities: Classes EA, FB and SB (REMIC Securities); Class SA (MX Securities)

Group 3 Securities: Classes B, BA, C, DA, DB, GA, VC, VD, VE and ZB (REMIC Securities)

Group 4 Securities: Classes G, P, H, K, M and N (REMIC Securities); Classes L, O and T (MX Securities)

Trustee Fee: $40 / 218,740$ of all principal and interest distributions on the Group 2 Trust Assets, 205/600,205 of all principal and interest distributions on the Group 3 Trust Assets and $43 / 200,043$ of all principal and interest distributions on the Group 4 Trust Assets.

Assumed Mortgage Loan Characteristics of the Mortgage Loans Underlying the Group 2, Group 3 and Group 4 Trust Assets (as of July 1, 1998):

| Principal <br> Balance | Weighted Average Remaining Term to Maturity (in months) | Weighted Average Loan Age (in months) | Weighted Average Mortgage Rate* |
| :---: | :---: | :---: | :---: |
| Group 2 Trust Assets |  |  |  |
| \$218,740,000 | 300 | 55 | 7.50\% |
| Group 3 Trust Assets |  |  |  |
| \$600,205,000 | 357 | 2 | 7.27\% |
| Group 4 Trust Assets |  |  |  |
| \$200,043,000 | 357 | 2 | 7.75\% |

The actual remaining terms to maturity, loan ages and, in the case of the Group 3 and Group 4 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 hereto for information regarding the characteristics of the Mortgage Loans underlying the Group 1 Trust Assets.

Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.

Modification and Exchange: Beneficial Owners of certain Classes of REMIC Securities will be entitled, upon notice and payment of an exchange fee, to exchange all or a portion of such Classes for a proportionate interest in the related MX Class as shown on Exhibit I to this Supplement. Similarly, Beneficial Owners of the MX Class will be entitled, upon like notice and payment of an exchange fee, to exchange all or a portion of such Class for proportionate interests in the related Classes of REMIC Securities. Each MX Security will represent a proportionate beneficial ownership interest in, and will entitle the Holder thereof to receive a proportionate share of the distributions on, the related Classes of REMIC Securities. See "Description of the Securities - Modification and Exchange" in this Supplement. Exhibit I to this Supplement sets forth the available combination of the Classes of REMIC Securities and the related MX Class.

Increased Minimum Denomination Classes: Each Regular or MX Class that is a Principal Only, Interest Only or Inverse Floating Rate Security.

Interest Rates: The Fixed Rate Classes will bear interest at the Interest Rates shown on the cover page of this Supplement or on Exhibit I to this Supplement.

The Floating Rate and Inverse Floating Rate Classes will bear interest based the applicable Index as follows:

| Class | $\begin{aligned} & \text { Initial } \\ & \text { Interest Rate } \end{aligned}$ | $\begin{gathered} \text { Minimum } \\ \text { Rate } \end{gathered}$ | $\begin{aligned} & \text { Maximum } \\ & \text { Rate } \end{aligned}$ | Interest Rate Formula | $\begin{aligned} & \text { Delay } \\ & \text { In Days } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| FB | 5.956250\% | 0.30\% | 9.00\% | LIBOR + 0.30\% | 0 |
| SA† | 10.653125\% | 0.00\% | 30.45\% | 30.45 - (LIBOR $\times 3.5$ ) | 0 |
| SB | 3.043750\% | 0.00\% | 8.70\% | 8.70\% - LIBOR | 0 |

[^8]Allocation of Principal: On each Distribution Date for a Securities Group, the following distributions will be made to the related Securities:
The Group 1 Principal Distribution Amount (as defined below) and the Group 1 Accrual Amount (as defined below) will be allocated as follows:
( 1. The Group 1 Accrual Amount, sequentially, to VA, VB and A, in that order, until
Security retired, then to ZA
Group 1
2. The Group 1 Principal Distribution Amount, sequentially, to A, VA, VB and ZA, in that order, until retired
40/218,740 of the Group 2 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining 218,700/218,740 of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") will be allocated as follows:
$\underset{\substack{\text { Security } \\ \text { Group } 2}}{ }\{$ - To EA and FB, pro rata, until retired
205/600,205 of the Group 3 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining 600,000/600,205 of the Group 3 Principal Distribution Amount (the "Group 3 Adjusted Principal Distribution Amount") and the Group 3 Accrual Amount (as defined below) will be allocated as follows:

- The Group 3 Accrual Amount, sequentially, to VC, VD, VE and C, in that order, until retired, then to ZB
- The Group 3 Adjusted Principal Distribution Amount in the following order of priority:
Security
Group 3 1. Concurrently (a) $71.7781402936 \%$ to B and BA, pro rata, until retired and (b) 28.2218597064\% in the following order of priority:
(i) To DA and DB, pro rata, until retired
(ii) To GA, until retired

2. Sequentially, to C, VC, VD, VE and ZB, in that order, until retired

43/200,043 of the Group 4 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining 200,000/200,043 of the Group 4 Principal Distribution Amount (the "Group 4 Adjusted Principal Distribution Amount") will be allocated as follows:

2. Sequentially, to $H, K, M$ and $N$, in that order, until retired

As to any Distribution Date, the "Group 1 Principal Distribution Amount," "Group 2 Principal Distribution Amount," "Group 3 Principal Distribution Amount" and "Group 4 Principal Distribution Amount" mean that portion of the Principal Distribution Amount for such date attributable to the Group 1, Group 2, Group 3 and Group 4 Trust Assets, respectively. As to any Distribution Date, the "Group 1 Accrual Amount" and "Group 3 Accrual Amount" mean the Accrual Amount on such date for the related Accrual Class.
MX Classes: On any Distribution Date when distributions of principal are to be allocated from REMIC Securities to MX Securities, such distributions will be allocated from the applicable Classes of REMIC Securities to the related MX Classes.
Accrual Classes: Classes ZA and ZB are Accrual Classes. Interest will accrue on each Accrual Class at the per annum rate set forth on the cover page of this Supplement. However, no interest will be distributed thereon 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 Class: The Notional Class will not receive distributions of principal but has a Class Notional Balance for convenience in describing its entitlement to interest. The Class Notional Balance of the Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balance indicated:

| Class | Approximate original Class Notional Balance | Represents |
| :---: | :---: | :---: |
| SB | \$170,100,000 | 100\% of FB (PT Class) |

## Weighted Average Lives (in years ) *:

| Class | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 75\% | 145\% | 250\% | 400\% |
| Security Group 1 |  |  |  |  |  |
| A | 18.6 | 15.9 | 11.4 | 7.4 | 4.9 |
| VA | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 |
| VB | 10.9 | 10.9 | 10.9 | 9.4 | 6.8 |
| ZA | 26.6 | 23.5 | 19.9 | 15.3 | 10.9 |


|  | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Class | 0\% | 100\% | 190\% | 300\% | 450\% |
| Security Group 2 |  |  |  |  |  |
| EA, FB, SA† and SB** | 20.2 | 9.7 | 6.6 | 4.5 | 3.0 |


| Class | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 75\% | 145\% | 250\% | 400\% |
| Security Group 3 |  |  |  |  |  |
| $B$ and BA. | 16.1 | 7.3 | 4.8 | 3.3 | 2.4 |
| DA and DB | 11.0 | 3.9 | 2.6 | 1.9 | 1.5 |
| GA | 21.5 | 11.0 | 7.1 | 4.7 | 3.3 |
| C | 19.5 | 16.8 | 11.6 | 7.5 | 5.1 |
| VC | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 |
| VD | 9.2 | 9.2 | 9.2 | 8.6 | 6.3 |
| VE | 13.8 | 13.8 | 13.3 | 9.9 | 7.1 |
| ZB | 27.5 | 23.7 | 20.1 | 15.5 | 11.0 |


| Class | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 180\% | 300\% | 450\% |
| Security Group 4 |  |  |  |  |  |
| $G$ and P | 12.1 | 3.6 | 2.5 | 1.9 | 1.5 |
| H | 23.0 | 10.8 | 7.0 | 4.7 | 3.5 |
| K | 26.9 | 17.4 | 11.7 | 7.6 | 5.4 |
| L† | 28.9 | 24.1 | 18.8 | 13.0 | 9.0 |
| M | 28.3 | 21.5 | 15.3 | 10.1 | 7.0 |
| N | 29.5 | 26.7 | 22.2 | 15.9 | 11.1 |
| O† | 28.2 | 21.8 | 16.4 | 11.2 | 7.8 |
| T† | 27.6 | 19.4 | 13.5 | 8.8 | 6.2 |

[^9]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.
Suitability: The Securities of any Class may not be suitable investments for all investors. The Sponsor intends to make a market for the Securities but is not obligated to do so. There can be no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable them to realize their anticipated yield. The market values of the Securities are likely to fluctuate. The fluctuations may be significant and could result in significant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear (i) the prepayment and yield risks associated with that Class and (ii) the risk that the value of such Securities will fluctuate over time and that such Securities may not be readily salable. Each investor is urged to consult with its investment advisor regarding whether the Securities are an appropriate investment for such investor.

## \$250,000,000

## Government National Mortgage Association

 GINNIE MAE

Guaranteed REMIC Pass-Through Securities and MX Securities Ginnie Mae REMIC Trust 1998-25

The Ginnie Mae REMIC Trust 1998-25 Guaranteed REMIC Pass-Through Securities (the "Securities") represent interests in Ginnie Mae REMIC Trust 1998-25 (the "Trust"). The assets of the Trust (the "Trust Assets") consist primarily of Ginnie Mae Certificates guaranteed pursuant to Ginnie Mae programs for first lien, single-family, fixed rate, residential mortgage loans("Trust MBS").

Guaranteed REMIC Pass-Through Securities ("REMIC Securities") of certain Classes may, upon notice and payment of an exchange fee, be exchanged for Classes (each, an "MX Class") of Modifiable and Exchangeable Securities ("MX Securities") as described under "Description of the Securities-Modification and Exchange" herein. In addition, as described herein, Classes of MX Securities are exchangeable for the specified REMIC Classes or MX Classes. Unless the context requires otherwise, the term "Securities" includes REMIC Securities and MX Securities and the term "Classes" includes Classes of REMIC Securities and MX Securities.
The Classes listed in the table below and the MX Classes are offered pursuant to this Offering Circular Supplement and the Base Offering Circular. Unless indicated otherwise, capitalized terms used herein shall have the meanings assigned to them in the glossary attached as Appendix III to the Base Offering Circular. For a discussion of certain material risks in connection with the purchase of the Securities, see "Risk Factors-Class Investment Considerations" on page S-12 of this Supplement.
GINNIE MAE GUARANTEES 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 SECURITIES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT OF 1933 AND CONSTITUTE EXEMPTED SECURITIES UNDER THE SECURITIES EXCHANGE ACT OF 1934.
(Cover continued on next page)

| Class | Original Principal Balance (2) | $\begin{aligned} & \text { Interest } \\ & \text { Rate } \end{aligned}$ | Principal Type(3) | $\begin{aligned} & \text { Interest } \\ & \text { Type (3) } \end{aligned}$ | $\begin{aligned} & \text { Final } \\ & \text { Distribution } \\ & \text { Date(4) } \end{aligned}$ | $\begin{gathered} \text { Weighted Average } \\ \text { Life at 165\% } \\ \text { PSA } \\ \text { (in years) (5) } \end{gathered}$ | $\underset{\substack{\text { CUSIP } \\ \text { Number }}}{ }$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AB (1) | \$132,499,200 | 6.00\% | SEQ | FIX | February 2024 | 4.7 | 3837 H 1 VE 8 |
| AP(1) | 33,124,800 | 8.50 | SEQ | FIX | February 2024 | 4.7 | 3837 H 1 VF5 |
| B | 21,876,000 | 6.50 | SEQ | FIX | July 2025 | 11.2 | 3837 H 1 VG 3 |
| VA | 13,572,000 | 6.50 | AD/SEQ | FIX | June 2005 | 3.6 | 3837 H 1 VH 1 |
| VB | 23,928,000 | 6.50 | AD/SEQ | FIX | November 2012 | 10.5 | 3837 H 1 VJ 7 |
| Z | 25,000,000 | 6.50 | SEQ | FIX/Z | September 2028 | 18.7 | 3837 H 1 VK 4 |
| R | 0 | 0.00 | NPR | NPR | September 2028 | 18. | 3837 H 1 VL 2 |

(1) Denotes a Class which is exchangeable for MX Classes. See Exhibit I to this Supplement for a description of the MX Classes.
(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) Determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at the assumed rate shown or at any other constant rate, and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.

The Securities are being offered by Credit Suisse First Boston Corporation (the "Sponsor") and Blaylock \& Partners, L.P. (the "CoSponsor") from time to time in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from September 1, 1998.

The Securities are being offered by the Sponsor, subject to prior sale or to withdrawal or modification of the offer without notice, when, as and if delivered to and accepted by the Sponsor, subject to the right of the Sponsor to reject any order in whole or in part and subject to approval of certain legal matters by counsel. It is expected that the Regular Securities will be ready for delivery in Book-Entry Form through the facilities of the Book-Entry Depository (as defined herein) and the Residual Securities will be delivered in certificated form to the offices of the Sponsor in New York, New York, on or about September 30, 1998.

## GINNIE MAE REMIC TRUST 1998-25 TERMS SHEET

This terms sheet (the "Terms Sheet") contains selected information for quick reference only. Prospective investors should read this Supplement, particularly "Risk Factors-Class Investment Considerations," and the Base Offering Circular for further information.
Sponsor: Credit Suisse First Boston Corporation
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: September 30, 1998
Distribution Date: The 20th day of each month or, if the 19th day or the 20th day is not a Business Day, the first Business Day following the 20th day, commencing in October 1998.

Trust Assets:

| Trust Asset Type <br> Ginnie Mae II Certificates | $\frac{\text { Certificate Rate }}{6.5 \%}$ | Original Term <br> To Maturity <br> (in years) <br> 30 |
| :---: | :---: | :---: |

Trustee Fee: 7/31,257 of all principal and interest distributions on the Trust Assets.

## Assumed Mortgage Loan Characteristics of the Mortgage Loans Underlying the Trust MBS (as

 of September 1, 1998):| Principal <br> Balance | Weighted Average <br> Remaining Term to <br> Maturity (in months) | Weighted Average <br> Loan Age <br> (in months) | Weighted <br> Average <br> Mortgage Rate |
| :---: | :---: | :---: | :---: |
| $\$ 250,056,000$ | 357 | 2 | $7.28 \%^{*}$ |

* The Mortgage Loans underlying the Trust MBS may bear interest at rates ranging from $7.0 \%$ to $8.0 \%$ per annum.

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.
Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.
Modification and Exchange: Beneficial Owners of certain Classes of REMIC Securities will be entitled, upon notice and payment of an exchange fee, to exchange all or a portion of such Classes for proportionate interests in MX Classes as shown on Exhibit I to this Supplement. Similarly, Beneficial Owners of MX Classes will be entitled, upon like notice and payment of an exchange fee, to exchange all or a portion of such Classes for proportionate interests in the related Classes of REMIC Securities or other related MX Classes. Each MX Security will represent a proportionate beneficial ownership interest in, and will entitle the Holder thereof to receive a proportionate share of the distributions on, the related Classes of REMIC Securities. See "Description of the Securities-Modification and Exchange" in this Supplement. Exhibit I to this Supplement sets forth the available combination of the Classes of REMIC Securities and the related MX Classes.

## Increased Minimum Denomination Class: Class MI

Interest Rates: The Interest Rates for the Classes are shown on the cover page of this Supplement or on Exhibit I to this Supplement.
Allocation of Principal: On each Distribution Date, $7 / 31,257$ of the Principal Distribution Amount will be applied to the Trustee Fee, and the remaining $31,250 / 31,257$ of the Principal

Distribution Amount (the "Adjusted Principal Distribution Amount") and the Accrual Amount will be allocated as follows:
Accretion Directed
and Accrual $\{$ • The Accrual Amount to VA and VB, in that order, until retired, then to Z

- The Adjusted Principal Distribution Amount as follows:
$\underset{\text { Pequential }}{\text { Pay }}\} \quad\left\{\begin{array}{l}1 . \text { To } \mathrm{AB} \text { and } \mathrm{AP}, \text { pro rata, until retired }\end{array}\right.$
Pay $\quad$ 2. To $B, V A, V B$ and $Z$, in that order, until retired
Accrual Class: Class Z is an Accrual Class. Interest will accrue on the Accrual Class at the per annum rate set forth on the cover page of this Supplement. However, no interest will be distributed thereon 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".
MX Classes: On any Distribution Date when distributions of principal are to be allocated from REMIC Securities to MX Securities, such distributions will be allocated from the applicable Classes of REMIC Securities to the related MX Classes.

Notional Class: The Notional Class will not receive distributions of principal but has a Class Notional Balance for convenience in describing its entitlement to interest. The maximum Class Notional Balance of the Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balance indicated:

| Class | Approximate Maximum Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| MI* | \$19,110,461 | $11.5384615385 \%$ of maximum Class Principal Balance of MA* (SEQ Class) |

## * MX Class. <br> Weighted Average Lives (in years) *:

|  | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Class | 0\% | 100\% | 165\% | 350\% | 500\% |
| AB, AP, MA†, MB†, MC†, MD† and MI†** | 16.7 | 6.7 | 4.7 | 2.8 | 2.2 |
| B | 26.1 | 15.7 | 11.2 | 6.0 | 4.4 |
| VA | 3.6 | 3.6 | 3.6 | 3.6 | 3.3 |
| VB | 10.7 | 10.7 | 10.5 | 7.4 | 5.6 |
| Z | 28.5 | 22.8 | 18.7 | 11.9 | 8.9 |

[^10]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.
Suitability: The Securities of any Class may not be suitable investments for all investors. The Sponsor intends to make a market for the Securities but is not obligated to do so. There can be no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable them to realize their anticipated yield. The market values of the Securities are likely to fluctuate. The
fluctuations may be significant and could result in significant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear (i) the prepayment and yield risks associated with that Class and (ii) the risk that the value of such Securities will fluctuate over time and that such Securities may not be readily salable. Each investor is urged to consult with its investment advisor regarding whether the Securities are an appropriate investment for such investor.

# Government National Mortgage Association 

 GINNIE MAE ${ }^{*}$Guaranteed REMIC Pass-Through Securities<br>Ginnie Mae REMIC Trust 1999-36

Ginnie Mae REMIC Trust 1999-36 Guaranteed REMIC Pass-Through Securities |che "Securitues"] represent interests in Cinnic Mae REMIC Trust 1999-36 估至 "Trust"l. The assets of the Trust 'the "Tnust Assets"| consist primarily of Ginnic Mae Certificates guaranteed pursuant to Ginnie Mae prograrns for tirst lien, single-family, fixed rate, residential mortgage loans ithe "Tnust MBS"\}.

The Classes listed in the table below are offered pursuant to this Oitering Circular Supplernent and the Basc Offering Circular. Unless indicated otherwise, capitalized terms used herein shall have the meanings assigned to them in the glossary attached as Appendix II to the Base Offering Cureular.

For a discussion of certain material risks in connectipn with the purchase of the Securities, see "Risk Factors-Class Investment Considerations" on page $5-11$ of this Supplement.

GINNIE MAE GUARANTEES THE TIMELY PAYMENT OF PRINCIPAL AND INTEREST ON THE SECURITIES. THE GINNIE MAE gUARANTY IS BACKED BY THE FUEL FAITH AND CREDIT OF TBE UNITED STATES OF AMERICA. THE SECURITIES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT OF 1933 AND CONSTITUTE EXEMPTED SECURITIES UNDER THE SECURITIES EXCHANGE ACT OF 1934.
(Cover consinued on texat pugej)

| Chaxs of REMCC Sezurities | $\begin{aligned} & \text { Original } \\ & \text { Priocipul\| } \\ & \text { Balaucelil } \end{aligned}$ | $\begin{gathered} \text { Istercest } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Princenal } \\ & \text { Yypul\| } \end{aligned}$ | $\begin{aligned} & \text { Interat } \\ & \text { Thped2) } \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Final } \\ & \text { Diciributlon } \\ & \text { Date }\{3\} \end{aligned}$ | CuSU |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| HA | \$ 50,987,000 | 7.50\% | AD/SUP | FIX | June 2023 | $3 \mathrm{B37H2Z85}$ |
| HB | 6,468,000 | 7.50 | AD/SUP | FIX | May 2024 | 3837H2Z93 |
| HC. | 27,721,700 | 7.50 | AD/SUP | FIX | [satuary 2026 | $3837 \mathrm{H} 22 \mathrm{A6}$ |
| IA | 15,549,326 | 7.50 | NTL \|ADPAC] | FIXIO | lanuary 2024 | 3 B 37 H 22 B 4 |
| PA | 116,620,000 | 7.00 | AD/PAC | FLX | Tanuary 2024 | 3837 H 22 C 2 |
| PB | 77,746,609 | 6.75 | AD/PAC | FLX | lanuary 2024 | $3837 \mathrm{H2} 2 \mathrm{DO}$ |
| PC | 17,300,000 | 7.50 | $\mathrm{AD} / \mathrm{PAC}$ | FLX | July 2024 | 3837 H 22 E 8 |
| PD | 66,096,700 | 7.50 | AD/PAC | FIX | lanuary 2026 | 38.371122F5 |
| VA | 9,100,000 | 7.56 | AD/SEQ | FIX | July 2904 | 3837 H 22 C 3 |
| VB | 35,202,006 | 7.50 | AD/SEC | FIX | Sepurmber 2014 | 3837 H 22 Hl |
| YA | 11,018,980 | 7.50 | ADISUP | FLX | Nowember 2023 | 3837 H 22 J 7 |
| YB | 6,882,909 | 7.50 | AD/SUP | FLX | February 2024 | 38.37H22K4 |
| YC | 9,076,111 | 7.50 | AD/SUP | FLX | May 2024 | 3837 H 22 L 2 |
| YD | 22,041,000 | 7.50 | AD/SUP | FIX | March 2025 | 3837 H 22440 |
| YE | 22,041,000 | 7.50 | ADSUP | FLX | fanuary 2026 | 3837422N8 |
| Z. | 21,698,000 | 7.50 | SEQ | FLX/Z | October 2029 | 3837 H 24 M 8 |
| Kesidual $\mathrm{RR}$ | 0 | 0.60 | NPR | NPR | Dctober 2029 | 38371122[3 |

[1] Subject to increase as described under "lncrease in Siac" in this Suppiement. The amount shown for the Notional ©lass indicated by "NTL" under Principal Type) is its original Class Notional Balance and does not represent principal that wrill be paid.
i2| As defined under "Class Types" in Appendix I to the Base Offering Circulat. The type of Class with which the Class Notiunal Bulance of the Notional Class will be reduced is indicated in parentheses.
i3\} See "Yield, Maturity and Prepayment Considerations-Final Distribution Date" in this Supplement.
The Securties are being offered by Merrill Lynch, Pietce, Ferner \& Smith incorporated the "Sponsor"| and Utendahl Capital Partners, L.P. |the "Cu-Sponser" $\mid$ forn time to time in negotiated transactions at varying prives to be determined at the time of salc plus accrued intercst from October 1 , 1999.

The Securities are offered subject to receipt and acceptance by the Sponsor, to prior sale and to the Sponsor's fight to reject any order in whole or in part and to withdraw; carcel or modify the offer without notice. It is expected that the Regular Securities will be reaty for delivery in Book-Entry Form throngh the facilitues of the Book-Entry Deposicory and that the Residual Securities will be delivered in cerrificated form to che offices of the Sponsmrt New York, New York, oll or about October 29, 1999.

## GINNIE MAE REMIC TRUST 1999.36 TERMS SHEET

This terms sheet [the "Terms Sheet"] contains selected information for quick reference onfy. Prospective investors should read this Supplement, particularly "Risk Factors-Class Investment Considerations, ${ }^{\text {T }}$ and the Base Offering Circular for further information.
Sponsor. Merrill Lynch, Pierce, Fenner \& Smith Incorporated
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: October 29, 1999
Distribution Date: The 20th day of each month or, if the 19th or 20th day is not a Business Day, the first Business Day following the 20th day, commencing in November 1999.

Trust Assets:

| Original Term <br> To Maturity <br> (in years) |
| :---: |
| 30 |

Trustee Fee: 113/500,113 of all principal and interest distributions on the Trust Assets.
Assumed Mortgage Loan Characteristics of the Mortgage Loans Underlying the Trust Assets tas of October 1, 1999):

| Principal Balance | Weighted Average Femaining Term to Maturity (in months) | Weighted Average Loan Age (in months) | Weighted Average Mortgage Ratx: |
| :---: | :---: | :---: | :---: |
| \$500,113,000 | 354 | 6 | 8.21\% |

' The Mortgage Loans undertying the Trust Assets may bear interest at rates ranging from $8.0 \%$ to $9.0 \%$ per annum,
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 Asscts-The Mongage Loans" in this Supplement.

Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.

Increased Minimum Denomination Class: The Class IA Securities. See "Description of the SccuriticsForm of Securities" in this Supplement.
Interest Rates: The Interest Rates are shown on the cover page of this Supplement.

Allocation of Principal: On each Distribution Date, 113/500,113 of the Principal Distribution Amount will be applied to the Trustee $\mathrm{Fee}_{s}$ and the remaining $500,000 / 500,113$ of the Principal Distribution Amount \{the "Adjusted Principal Distribution Amount"\} and the $Z$ Accrual Amount (as defined below) will be allocated as follows:

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

1. Sequentially, to $V A$ and $V B$, in that order, until retired
2. Concurrently, to PA and PB, pro rata, without regard to any Scheduled Principal Balance, until retired
3. Sequentially, to PC and PD , in that order, without regard to any Scheduled Principal Balance, until retired
4. To HA, until retired

Accretion
Dirested and Amplual
5. Concurrently,
(a) $80.6613645877 \%$, sequentially, to YA, YB and YC, in that order, until retired and (b) $19.3386354123 \%$ to $\mathrm{HB}_{s}$ until retired
6. Concurrently,
[a] $61.3923795013 \%$, sequentially, to YD and YE, in that order, until retired and
(b) $38.6076204987 \%$ to HC , until retired
7. To Z , until retired

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

1. To $\mathrm{PA}, \mathrm{PB}_{s} \mathrm{PC}$ and PD , until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, in the following order of prionity:
a. Concurrently, to PA and PB , pro tata, until retired
b. Sequentially, to PC and PD , in that order, until retired
2. To HA, until retired
3. Concurrently,
(a) $80.6613645877 \%$ sequentially, to $\mathrm{YA}, \mathrm{YB}$ and YC , in that order, until retired and
[b] $19.3386354123 \%$ to HB , until retired
4. Concurrently,
(a) $61.3923795013 \%$, sequentially, to YD and YE, in that order, until retired and
(b) $3 \mathrm{~B} .6076204987 \%$ to HC, until retired
5. To PA, PB, PC and PD, without regard to their Aggregate Scheduled Principal Balance for that Distribution Date, in the following order of priority:
a. Concurrently, to PA and PB , pro rata, until retired
b. Sequentially, to PC and $\mathrm{PD}_{s}$ in that order, until retired

Sequential Pay
6. Sequentially, to VA, VB and $Z$, in that order, until retired

As to any Distribution Date, the " Z Accruad Amount" means the Accrual Amount on such date for the Z Class.

Accrual Class: Class Z is an Accrual Class. Interest will accrue on the Accrual Class at the per annum rate set forth on the cover page of this Supplement. However, no intexcst will be distributed thereon as interest. Interest so accnued on Class $Z$ on each Distribution Date will constitute an Accrual Amount, which will be added to the Class Principal Balance of the Class Z Securities on each Distribution Date and will be distributable as principal as set forth in this Terms Sheet under "Allocation of Principal."
Notional Class: The Notional Class will not receive distributions of principal but has a Class Notional Balance for convenience in describing its entitlement to interest. The Class Notional Balance of the Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balance indicated:

| Class | Approximate Original Class Notional Balance | Represents Appraximately |
| :---: | :---: | :---: |
| IA | \$ 7,774,666 | 6. $66666666667 \%$ of PA (AD/PAC Class) |
|  | 7,774,660 | 10\% of PB \AD/PAC Class |
|  | \$15,549,326 |  |

Structuring Range: The PAC Classes were structured using, among other things, the following Structuring Range:


The Effective Range for the PAC Classes may differ from its Structuring Range. The initial Effective Range for the PAC Classes is set forth under "Risk Factors-Class Investment Considerations-PAC Classes" in this Supplement.

Aggregate Scheduled Principal Balance: The Aggregate Scheduled Principal Batances for the PAC Classes in the aggregate [the "Aggregate Scheduled Principal Balances") are included in Schedule I to this Supplement.

Weighted Average Life (in years)*:

| Class | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 110\% | 145\% | 250\% | 400\% |
| HA | 22.4 | 11.3 | 2.5 | 1.0 | 0.6 |
| HB | 24.1 | 15.1 | 10.0 | 2.3 | 1.4 |
| HC | 25.4 | 17.8 | 15.0 | 4.6 | 2.3 |
| IA**, PA, PB | 13.1 | 4.0 | 4.0 | 4.0 | 3.1 |
| PC | 19.7 | 8.0 | 8.0 | 8.0 | 5.3 |
| PD | 21.2 | 10.1 | 10.1 | 10.1 | 6.5 |
| VA | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| VB. | 10.4 | 10.4 | 10.4 | 10.1 | 8.0 |
| YA | 23.9 | 14.6 | 7.3 | 2.0 | 1.3 |
| YB. | 24.2 | 15.2 | 11.0 | 2.4 | 1.5 |
| YC | 24.4 | 15.7 | 12.4 | 2.7 | 1.6 |
| YD | 25.0 | 16.9 | 13.9 | 3.5 | 2.0 |
| YE. | 25.8 | 18.7 | 16.1 | 5.7 | 2.5 |
| Z | 28.2 | 24.2 | 22.2 | 17.5 | 12.6 |

[^11]Tax Status: Double REMIC Series. See "Certain Federal Income Tax Conscquences" in this Supplement and in the Base Offering Circular.

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

Suitability: The Sccurities of any Class may not be suitable investments for all investors. The Sponsor intends to make a market for the Sccuritics but is not obligated to do so. There can be no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable them to realize their anticipated yield. The market values of the Securities are likely to fluctuate. The fiuctuations may be significant and could result in significant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear (i) the prepayment and yield risks associated with that Class and (ii) the risk that the value of such Securities will fluctuate over time and that such Securities may not be readily salable. Each investor is urged to consult with its investment advisor regarding whether the Securities are an appropriate investment for such investor.

# Government National Mortgage Association 

 GINNIE MAE ${ }^{\circledR}$Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 1999-37

Ginnie Mae REMIC Trust 1999-37 Guaranteed REMIC Pass-Through Securities (the "Securities") represent interests in Ginnie Mae REMIC Trust 1999-37 (the "Trust"). The assets of the Trust (the "Trust Assets") consist primarily of (i) Ginnie Mae Certificates guaranteed pursuant to Ginnie Mae programs for first lien, single-family, fixed rate, residential mortgage loans (the "Trust MBS"), and (ii) a previously issued REMIC certificate (the "Underlying REMIC Certificate"), as further described in Exhibits A and B hereto, evidencing interests in trusts (or asset groups included therein) consisting primarily of Ginnie Mae Certificates.

Guaranteed REMIC Pass-Through Securities ("REMIC Securities") specified herein may, upon notice and payment of an exchange fee, be exchanged for one or more Classes (each, an "MX Class") of Modifiable and Exchangeable Securities ("MX Securities") as described under "Description of Securities-Modification and Exchange" in the Base Offering Circular. In addition, as described therein, Classes of MX Securities are exchangeable for one or more specified REMIC Classes and, in certain instances, MX Classes. Unless the context requires otherwise, the term "Securities" includes REMIC Securities and MX Securities and the term "Classes" includes Classes of REMIC Securities and MX Securities.

The Classes listed in the table below and the MX Classes are offered pursuant to this Offering Circular Supplement and the Base Offering Circular. The Regular and MX Classes comprise four Security Groups. Payments on each Security Group will be based solely on payments on the Trust Asset Group with the same numerical designation. Unless indicated otherwise, capitalized terms used herein shall have the meanings assigned to them in the glossary attached as Appendix II to the Base Offering Circular.

For a discussion of certain material risks in connection with the purchase of the Securities, see "Risk Factors-Class Investment Considerations" on page S-15 of this Supplement.

GINNIE MAE GUARANTEES 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 SECURITIES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT OF 1933 AND CONSTITUTE EXEMPTED SECURITIES UNDER THE SECURITIES EXCHANGE ACT OF 1934.
(Cover continued on next page)

| 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 | 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 |  |  |  |  |  |  | Security Group 3 |  |  |  |  |  |  |
| BA (1) | \$ 22,942,414 | 7.50\% | SEQ | FIX | June 2027 | 3837 H 22 Q 1 | TA | \$ 2,702,000 | 7.25\% | SEQ | FIX | April 2010 | 3837 H 23 K 3 |
| BC | 2,000,000 | 7.00 | SEQ | FIX | July 2027 | 3837 H 22 R 9 | TB | 3,794,000 | 7.25 | SEQ | FIX | September 2017 | 3837 H 23 L 1 |
| BE | 2,000,000 | 7.25 | SEQ | FIX | June 2027 | 3837 H 22 S 7 | TC | 3,362,000 | 7.25 | SEQ | FIX | December 2021 | 3837 H 23 M 9 |
| BI | 200,000 | 7.50 | NTL (SEQ) | FIX/IO | July 2027 | 3837 H 22 T 5 | TD | 1,474,000 | 7.25 | SEQ | FIX | June 2023 | 3837 H 23 N 7 |
| FA | 26,358,150 | (5) | AD/TAC | FLT | April 2026 | 3837 H 22 U 2 | TE | 2,394,000 | 7.25 | SEQ | FIX | July 2025 | 3837 H 23 P 2 |
| FE | 35,382,733 | (5) | AD/TAC | FLT | April 2026 | 3837 H 22 V 0 | TG | 848,000 | 7.25 | SEQ | FIX | March 2026 | 3837H23Q0 |
| PA | 115,784,532 | 6.80 | PAC | FIX | December 2025 | 3837H22W8 | TH | 2,756,000 | 7.25 | SEQ | FIX | March 2028 | 3837H23R8 |
| PB (1) | 8,002,468 | 7.50 | PAC | FIX | April 2026 | 3837 H 22 X 6 | TJ | 884,000 | 7.25 | SEQ | FIX | September 2028 | 3837H23S6 |
| PI | 10,806,556 | 7.50 | NTL (PAC) | FIX/IO | December 2025 | 3837 H 22 Y 4 | TK | 1,786,000 | 7.25 | SEQ | FIX | October 2029 | 3837 H 23 T 4 |
| SA | 1,596,861 | (5) | AD/TAC | INV | April 2026 | $3837 \mathrm{H} 22 \mathrm{Z1}$ | Security Group 4 |  |  |  |  |  |  |
| SB | 28,995,289 | (5) | NTL (AD/TAC) | INV/IO | April 2026 | 3837 H 23 A 5 |  |  |  |  |  |  |  |
| SC | 1,769,138 | (5) | AD/TAC | INV | April 2026 | 3837 H 23 B 3 | FJ(1) | 236,111,112 | (5) | PT | FLT | October 2029 | 3837 H 23 U 1 |
| SD | 14,192,850 | (5) | AD/TAC | INV | April 2026 | 3837 H 23 C 1 | $\mathrm{PO}(1)$ | 13,888,888 | 0.00 | PT | PO | October 2029 | 3837 H 23 V 9 |
| VD | 27,484,000 | 7.50 | AD/SEQ | FIX | September 2011 | 3837 H 23 D 9 | SJ (1) . | 236,111,112 | (5) | NTL (PT) | INV/IO | October 2029 | 3837H23W7 |
| VE | 13,209,000 | 7.50 | AD/SEQ | FIX | December 2014 | 3837H23E7 | Residual |  |  |  |  |  |  |
| Z | 19,307,000 | 7.50 | SEQ | FIX/Z | October 2029 | 3837 H 23 F 4 |  |  |  |  |  |  |  |
| ZA | 9,970,854 | 7.50 | SUP | FIX/Z | April 2026 | 3837H23G2 |  | 0 | 0.00 | NPR | NPR | October 2029 | 3837H23X5 |
| Security Group 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| F (1) | 20,023,585 | (5) | SC/PT | FLT | September 2024 | 3837H23H0 |  |  |  |  |  |  |  |
| S(1) ... | 20,023,585 | (5) | NTL (SC/PT) | INV/IO | September 2024 | 3837H23J6 |  |  |  |  |  |  |  |

(1) Denotes a Class which is exchangeable for an MX Class. See Exhibit C to this Supplement for a description of the MX Classes.
(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) The Floating Rate and Inverse Floating Rate Classes will bear interest as described under "Terms Sheet—Interest Rates" in this Supplement.

The Securities are being offered by PaineWebber Incorporated (the "Sponsor") and Blaylock \& Partners, L.P. (the "Co-Sponsor") from time to time in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from October 1, 1999 on the Fixed Rate Classes (other than Classes G and H), from October 20, 1999, on the Security Group 1'Floating Rate and Inverse Floating Rate Classes and Classes F, G and S and from October 16, 1999 on Classes FJ, H, SJ and SK.

The Securities are offered subject to receipt and acceptance by the Sponsor, to prior sale and to the Sponsor's right to reject any order in whole or in part and to withdraw, cancel or modify the offer without notice. It is expected that the Regular Securities will be ready for delivery in Book-Entry Form through the facilities of the Book-Entry Depository and that the Residual Securities will be delivered in certificated form to the offices of the Sponsor in New York, New York, on or about October 29, 1999.

## GINNIE MAE REMIC TRUST 1999-37 TERMS SHEET

This terms sheet (the "Terms Sheet") contains selected information for quick reference only. Prospective investors should read this Supplement, particularly "Risk Factors-Class Investment Considerations," and the Base Offering Circular for further information. Prospective investors in the Group 2 Securities are also urged to read the information included in Exhibits A and B hereto relating to the Underlying REMIC Certificate.

Sponsor: PaineWebber Incorporated
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: October 29, 1999
Distribution Dates: For the Group 3 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 November 1999. For the Group 1 and Group 2 Securities, the 20th day of each month or, if the 19th day or the 20th day is not a Business Day, the first Business Day following the 20th day, commencing in November 1999.

## Trust Assets:

| Trust Asset Group | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Mae II Certificates | 7.50\% | 30 |
| 2 | Underlying REMIC Certificate | * | * |
| 3 | Ginnie Mae I Certificates | 7.25 | 30 |
| 4 | Ginnie Mae I Certificates | 8.50 | 30 |

* Information regarding the Underlying REMIC Certificate and the related Mortgage Loans, is set forth in Exhibits A and B hereto. See "Risk Factors-Class Investment Considerations-The Group 2 Securities" for a discussion of the Underlying REMIC Certificate.


## Security Groups:

Group 1 Securities: Classes BA, BC, BE, BI, FA, FE, PA, PB, PI, SA, SB, SC, SD, VD, VE, Z and ZA (REMIC Securities) ; Classes BD, BH, BJ, BK, BL, PC, PD, PE, PG and PH (MX Securities)

Group 2 Securities: Classes F and S (REMIC Securities); Class G (MX Securities)
Group 3 Securities: Classes TA, TB, TC, TD, TE, TG, TH, TJ and TK (REMIC Securities)

Group 4 Securities: Classes FJ, PO and SJ (REMIC Securities); Classes H and SK (MX Securities)

## Trustee Fee:

The following table indicates the portion of all distributions on the specified Trust Asset Group that will be applied to payment of the Trustee's Fee on each Distribution Date:

| Trust Asset <br> Group | Trustee Fee |
| :---: | ---: |
| 1 | $66 / 300,066$ |
| 2 | $13,000 / 20,036,585$ |
| 3 | $16 / 20,016$ |
| 4 | $44 / 250,044$ |

Assumed Mortgage Loan Characteristics of the Mortgage Loans Underlying the Group 1, Group 3 and Group 4 Trust Assets (as of October 1, 1999):


> | Weighted Average |
| :---: |
| Remaining Term to |
| Maturity (in months) |

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

Weighted Average Mortgage Rate*

## Group 1 Trust Assets

\$300,066,000 357
2
8.20\%

Group 3 Trust Assets
\$ 20,016,000
359
1
7.75\%

Group 4 Trust Assets
\$250,044,000
310
40
9.00\%

* The Mortgage Loans underlying the Group 1 Trust Assets may bear interest at rates ranging from $8.0 \%$ to 9.0\% per annum.

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. See Exhibit A hereto for information regarding the characteristics of the Mortgage Loans included in the Underlying REMIC Trust.

Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.

Modification and Exchange: Beneficial Owners of certain Classes of REMIC Securities will be entitled, upon notice and payment of an exchange fee, to exchange all or a portion of such Classes for a proportionate interest in the related MX Class or Classes as shown on Exhibit C to this Supplement. Similarly, Beneficial Owners of MX Classes will be entitled, upon like notice and payment of an exchange fee, to exchange all or a portion of such Classes for proportionate interests in the related Class or Classes of REMIC Securities and, in certain specified cases, other related MX Classes. Each MX Security will represent a proportionate beneficial ownership interest in, and will entitle the Holder thereof to receive a proportionate share of the distributions on, the related Class or Classes of REMIC Securities. See "Description of SecuritiesModification and Exchange" in the Base Offering Circular. Exhibit C to this Supplement sets forth the available combinations of the Classes of REMIC Securities and the related MX Classes.

Increased Minimum Denomination Classes: Each REMIC Class or MX Class that constitutes a Principal Only, or 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 cover page of this Supplement or on Exhibit C 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) | $\begin{gathered} \text { Initial } \\ \text { Interest Rate }(2) \\ \hline \end{gathered}$ | $\underset{\text { Rate }}{\text { Minimum }}$ | $\begin{gathered} \text { Maximum } \\ \text { Rate } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| F | LIBOR + 0.30\% | 5.550000\% | 0.30\% | 9.500000\% | 0 |
| FA | LIBOR + 0.60\% | 5.950000\% | 0.60\% | 9.000000\% | 0 |
| FE | LIBOR + 0.50\% | 5.850000\% | 0.50\% | 8.500000\% | 0 |
| FJ | LIBOR + 0.55\% | 5.956250\% | 0.55\% | 9.000000\% | 0 |
| S | 9.20\% - LIBOR | 3.950000\% | 0.00\% | 9.200000\% | 0 |
| SA | 30.0\% - (LIBOR $\times 4$ ) | 8.600000\% | 0.00\% | 30.000000\% | 0 |
| SB | 7.50\% - LIBOR | 2.150000\% | 0.00\% | 7.500000\% | 0 |
| SC | 160.0\% - (LIBOR $\times 20$ ) | 10.000000\% | 0.00\% | 10.000000\% | 0 |
| SD | 19.60\% - (LIBOR $\times 1.857143$ ) | 9.664286\% | 4.00\% | 19.600000\% | 0 |
| SJ | 8.45\% - LIBOR | 3.043750\% | 0.00\% | 8.450000\% | 0 |
| SK† | $143.650008 \%$ - (LIBOR $\times 17.000001$ ) | 51.743753\% | 0.00\% | 143.650008\% | 0 |

(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" herein.
(2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.
$\dagger$ MX Class.
Allocation of Principal: On each Distribution Date for a Security Group, the following distributions will be made to the related Securities:
$66 / 300,066$ of the Group 1 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining 300,000/300,066 of the Group 1 Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount") and the Class Z and Class ZA Accrual Amounts (as defined below) will be allocated as follows:

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

1. Sequentially, to VD and VE, in that order, until retired
2. To $Z$, until retired

Security

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

1. Concurrently, to FA, FE, SA, SC and SD, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. To ZA , until retired

- The Group 1 Adjusted Principal Distribution Amount as follows:

1. Sequentially, to PA and PB , in that order, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
2. Concurrently, to FA, FE, SA, SC and SD, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
Security
3. To ZA, until retired
Group 1
4. Concurrently, to $\mathrm{FA}, \mathrm{FE}, \mathrm{SA}, \mathrm{SC}$ and SD , pro rata, without regard to their Aggregate Scheduled Principal Balance, until retired
5. Sequentially, to PA and PB, in that order, without regard to their Aggregate Scheduled Principal Balance, until retired
6. Concurrently, to BA and BE , pro rata, until retired
7. Sequentially, to BC, VD, VE and Z, in that order, until retired
Security $\left\{\begin{array}{l}13,000 / 20,036,585 \text { of the Group } 2 \text { Principal Distribution Amount will be applied to } \\ \text { the Trustee Fee, and the remaining } 20,023,585 / 20,036,585 \text { of the Group } 2 \text { Principal }\end{array}\right.$
Group 2 $\quad$ Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") will be allocated to F , until retired
( $16 / 20,016$ of the Group 3 Principal Distribution Amount will be applied to the
Security Group 3 Trustee Fee, and the remaining 20,000/20,016 of the Group 3 Principal Distribution
Group 3 Amount ( the "Group 3 Adjusted Principal Distribution Amount") will be allocated, sequentially, to TA, TB, TC, TD, TE, TG, TH, TJ and TK, in that order, until retired
\{ Trustee Fee, and the remaining 250,000/250,044 of the Group 4 Principal Distribu-
Group 4 tion Amount (the "Group 4 Adjusted Principal Distribution Amount") will be allocated, concurrently, to FJ and PO, pro rata, until retired
As to any Distribution Date, the "Group 1 Principal Distribution Amount," "Group 2 Principal Distribution Amount", "Group 3 Principal Distribution Amount" and "Group 4 Principal Distribution Amount" mean that portion of the Principal Distribution Amount for such date attributable to the Group 1, Group 2, Group 3 and Group 4 Trust Assets, respectively. As to any Distribution Date, the "Z Accrual Amount," and "ZA Accrual Amount" mean the Accrual Amount on such date for the related Accrual Class.
Accrual Classes: Classes Z and ZA are Accrual Classes. Interest will accrue on each Accrual Class at the per annum rate set forth on the cover page of this Supplement. However, no interest will be distributed thereon 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".
MX Classes: On any Distribution Date when distributions of principal are to be allocated from REMIC Securities to MX Securities (or from MX Securities to other MX Securities), such distributions will be allocated from the applicable Class or Classes of REMIC Securities to the related MX Class or Classes (or from the applicable Class or Classes of MX Securities to the related MX Class or Classes).
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 Balance indicated:

| Class | Approximate <br> Original Class <br> Notional Balance | Represents Approximately |
| :--- | ---: | :--- |

Structuring Range and Rate: The PAC Classes were structured using, among other things, the following Structuring Range, and the TAC Classes were structured using, among other things, the following Structuring Rate:

| Class | Range and Rate |
| :---: | :---: |
| PAC | 100\% PSA through 250\% PSA |
| TAC | 154\% PSA |

The Effective Range or Rate for a Class may differ from its Structuring Range or Rate. The initial Effective Range or Rate for the PAC and TAC Classes are set forth under "Risk Factors-Class Investment Considerations-PAC and TAC Classes" in this Supplement.
Scheduled Principal Balances: The Scheduled Principal Balances for Classes FA, FE, SA, SC and $S D$, in the aggregate and Classes PA and PB, in the aggregate (the "Aggregate Scheduled Principal Balances") are included in Schedule I to this Supplement.

Weighted Average Lives (in years ) *:

| Class | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 154\% | 250\% | 400\% |
| Security Group 1 |  |  |  |  |  |
| BA, BE, BH†, BJ†, BK†, BD† and BL†** | 27.1 | 17.6 | 13.3 | 9.0 | 6.0 |
| BC | 27.7 | 19.3 | 14.9 | 10.1 | 6.7 |
| BI*********** | 27.5 | 18.8 | 14.3 | 9.7 | 6.4 |
| FA, FE, SA, SB**, SC and SD | 17.9 | 10.0 | 6.0 | 3.6 | 2.0 |
|  | 13.3 | 4.0 | 4.0 | 4.0 | 3.2 |
| PB, PC†, PD†, PE†, PG† and PH†** | 20.9 | 7.9 | 7.9 | 7.9 | 5.3 |
| VD | 6.8 | 6.8 | 6.8 | 6.7 | 5.5 |
| VE | 13.6 | 13.6 | 13.6 | 11.1 | 8.0 |
| Z | 28.9 | 24.2 | 20.6 | 16.4 | 11.8 |
| ZA | 25.0 | 14.7 | 11.1 | 1.1 | 0.6 |


|  | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 276\% | 400\% | 550\% |
| Security Group 2 <br> F, G† and S** |  |  |  |  |  |
|  | 13.1 | 4.3 | 1.7 | 1.1 | 0.8 |
|  | PSA Prepayment Assumption |  |  |  |  |
|  | 0\% | 75\% | 155\% | 250\% | 400\% |
| Security Group 3 |  |  |  |  |  |
|  | 5.9 | 2.1 | 1.5 | 1.2 | 0.9 |
| TB | 14.5 | 5.5 | 3.5 | 2.6 | 2.0 |
| TC | 20.1 | 9.7 | 5.9 | 4.2 | 3.0 |
| TD | 22.9 | 13.0 | 7.9 | 5.5 | 3.8 |
| TE | 24.7 | 15.9 | 9.9 | 6.8 | 4.6 |
| TG | 26.0 | 18.5 | 11.9 | 8.1 | 5.5 |
| TH | 27.4 | 21.7 | 14.9 | 10.2 | 6.8 |
| TJ | 28.6 | 25.2 | 19.0 | 13.3 | 8.8 |
| TK | 29.5 | 28.0 | 24.3 | 18.8 | 12.8 |
|  | PSA Prepayment Assumption Rates |  |  |  |  |
|  | 0\% | 100\% | 233\% | 350\% | 500\% |
| Security Group 4 |  |  |  |  |  |
| FJ, H†, PO, SJ** and SK† | 21.0 | 10.2 | 5.8 | 4.0 | 2.7 |

* Determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or at any other constant rate and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.
** The information shown for each Notional Class is for illustrative purposes only.
$\dagger$ MX 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 RR is a Residual Class and includes the Residual Interests of the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.
Suitability: The Securities of any Class may not be suitable investments for all investors. The Sponsor intends to make a market for the Securities but is not obligated to do so. There can be no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable them to realize their anticipated yield. The market values of the Securities are likely to fluctuate. The fluctuations may be significant and could result in significant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear (i) the prepayment, and yield risks associated with that Class and (ii) the risk that the value of such Securities will fluctuate over time and that such Securities may not be readily salable. Each investor is urged to consult with its investment advisor regarding whether the Securities are an appropriate investment for such investor.
\$1,610,000,000
Freddie Mac


## Multiclass REMIC Certificates and Modifiable and <br> Combinable REMIC Certificates, Series 2190

Offered Securities: Non-Retail Classes of REMIC Certificates (Multiclass PCs and Multiclass Securities) listed below; MACR Classes listed on Appendix 1 to this Supplement
Guarantee: Principal and interest guaranteed by Freddie Mac, as described in this Supplement
Tax Status:
Underlying Assets:

Payment Dates:
Form of Securities:

Offering Terms: Closing Date:

## REMIC (Double-Tier)

Four Asset Groups, consisting of one Group of Freddie Mac 7.0\% 15-year PCs (Gold PCs and Gold Giant PCs), one Group of 7.5\% 30-year GNMA-Related Securities (GNMA Certificates and Giant Securities), one Group of 7.0\% 30year GNMA-Related Securities and one Group of $8.0 \%$ 30-year GNMA-Related Securities
Monthly, beginning in November 1999 as described in this Supplement
Regular Classes of Multiclass PCs and related MACR Classes: Book-entry (Federal Reserve Banks)
Regular Classes of Multiclass Securities (non-Retail) and related MACR Classes: Book-entry (MBS Division of Depository Trust Company)
Residual Classes ( R and RS ): Certificated

The risks associated with the Securities may make them unsuitable for some investors. See "Certain Risk Considerations" and "Prepayment and Yield Analysis" in this Supplement.
Investors should read this Supplement in conjunction with the documents listed under "Available Information" in this Supplement.
THE OBLIGATIONS OF FREDDIE MAC UNDER ITS GUARANTEES OF THE SECURITIES ARE OBLIGATIONS OF FREDDIE MAC ONLY. THE SECURITIES, INCLUDING ANY INTEREST THEREON, ARE NOT GUARANTEED BY THE UNITED STATES AND DO NOT CONSTITUTE DEBTS OR OBLIGATIONS OF THE UNITED STATES OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES OTHER THAN FREDDIE MAC. INCOME ON THE SECURITIES HAS NO EXEMPTION UNDER FEDERAL LAW FROM FEDERAL, STATE OR LOCAL TAXATION. THE SECURITIES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT OF 1933 AND ARE "EXEMPTED SECURITIES" WITHIN THE MEANING OF THE SECURITIES EXCHANGE ACT OF 1934.

| Class of REMIC Certificates(1) | Original <br> Principal <br> Amount (2) | Principal or Other Type(3) | $\begin{aligned} & \text { Class } \\ & \text { Coupon } \end{aligned}$ | Interest <br> Type(3) | $\underset{\text { Number }}{\text { CUSIP }}$ | Final Payment Date (4) | Weighted Average Life (5) | Class of REMIC Certificates(1) | Original <br> Principal <br> Amount (2) | Principal or Other Type (3) | $\begin{gathered} \text { Class } \\ \text { Coupon } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Interest } \\ \text { Type (3) } \\ \hline \end{gathered}$ | $\underset{\text { Number }}{\text { CUSIP }}$ | Final Payment Date (4) | Weighted Average Life (5) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Group 1 |  |  |  |  |  |  |  | LL | \$ 20,000,000 | SEQ/RTL | 7.0\% | FIX | $313 \overline{3 \mathrm{TMA}} 2$ | September 20, 2026 | 12.8 Y rs |
| F .. | \$159,670,824 | SUP | (6) | FLT | 3133TMCL8 | October 15, 2014 | 6.0 Yrs | PM | 108,168,000 | PAC | 6.8 | FIX | 3133 TMA 30 | June 20, 2022 |  |
| PA | 406,114,000 | PAC | 7.0\% | FIX | 3133TMCT1 | October 15, 2014 | 5.3 | PN | 3,090,514 | NTL (PAC) | 7.0 | FIX/IO | 3133 TM A 48 | June 20, 2022 |  |
| PO | 34,215,176 | SUP | 0.0 | PO | 3133 TMCY 0 | October 15, 2014 | 6.0 | PQ | 25,595,000 | PAC | 7.0 | FIX | 3133 TM A 55 | July 20, 2024 | 8.2 |
| SA | 18,248,094 | NTL (SUP) | (6) | INV/IO | 3133 TMD B9 | October 15, 2014 | - | SG | 4,841,822 | TAC/AD | (6) | INV | 3133TMA89 | November 20, 2025 | 6.0 |
| SB | 15,967,082 | NTL(SUP) | (6) | INV/IO | 3133 TMDC7 | October 15, 2014 | - | SN | 8,991,956 | NTL (TAC/AD) | (6) | INV/IO | 3133TMDM5 | November 20, 2025 | -- |
| Group 2 |  |  |  |  |  |  |  | ZB | 23,886,000 | SEQ | 7.0 | FIX/Z | 3133TMAA4 | October 20, 2029 | 20.9 |
| D | 30,931,000 | AD/SEQ | 7.5 | FIX | 3133TM C J 3 | May 20, 2010 | 6.0 | Group 4 |  |  |  |  |  |  |  |
| E | 23,702,000 | AD/SEQ | 7.5 | FIX | 3133TMCK0 | January 20, 2015 | 13.0 | FD | 121,821,804 | CPT/SCH/AD | (6) | FLT | 3133 TMCN 4 | June 17, 2023 | 5.3 |
| FB | 88,823,824 | TAC/AD | (6) | FLT | 3133TMCM6 | May 20, 2027 | 5.6 | FE | 24,739,678 | PAC/AD | (6) | FLT | $3133 \mathrm{TMCP9}$ | January 17, 2021 | 6.3 |
| MO | 11,843,176 | TAC/AD | 0.0 | PO | 3133TMCS 3 | May 20, 2027 | 5.6 | KO | 6,634,518 | TAC/AD | 0.0 | PO | 3133 TMCR 5 | June 17, 2023 | 5.5 |
| PH | 150,000,000 | PAC | 6.95 | FIX | 3133TMCU8 | July 20, 2025 | 5.0 | PR | 135,120,000 | PAC/AD | 6.8 | FIX | $3133 \mathrm{TMCZ7}$ | August 17, 2019 | 4.0 |
| PJ | 8,333,000 | PAC | 7.5 | FIX | 3133TMCV6 | April 20, 2026 | 9.5 | PS | 17,700,440 | NTL (PAC/AD) | 8.0 | FIX/IO | 3133 TM D 29 | August 17, 2019 |  |
| PK | 14,452,773 | NTL (PAC) | 7.5 | FIX/IO | 3133TMCW4 | April 20, 2026 | - | PT | 28,375,200 | NTL (PAC/AD) | (6) | INV/IO | 3133 TM D 37 | August 17, 2019 |  |
| PL | 36,994,000 | PAC | 6.8 | FIX | 3133TMCX2 | April 20, 2026 | 4.0 | PU | 12,034,000 | PAC/AD | 7.0 | FIX | 3133 TMD 45 | January 17, 2021 | 8.8 |
| SM | 11,843,176 | NTL (TAC/AD) | (6) | INV/IO | 3133TMDL7 | May 20, 2027 | - | SJ | 68,427,400 | NTL(TAC/PAC/AD) | (6) | INV/IO | 3133 TM D J 2 | June 17, 2023 | - |
| Z | 25,917,000 | SEQ | 7.5 | FIX/Z | 3133 TMDT0 | October 20, 2029 | 20.6 | SK | 24,739,678 | NTL (PAC/AD) | (6) | INV/IO | 3133TMDK9 | January 17, 2021 | - |
| ZA | 23,456,000 | SUP | 7.5 | FIX/Z | 3133TMDU7 | July 20, 2027 | 12.7 | SO | 4,975,889 | NTL (TAC/AD) | (6) | INV/IO | 3133TMDN3 | June 17, 2023 |  |
| Group 3 |  |  |  |  |  |  |  | SP | 1,658,629 | NTL (TAC/AD) | (6) | INV/IO | 3133TMDP8 | June 17, 2023 |  |
| CZ | 8,973,000 | SUP | 7.0 | FIX/Z | 3133TM 7 73 | January 20, 2026 | 11.6 | ZC | 22,000,000 | SEQ | 8.0 8.0 | FIX/Z | 3133TMDV5 | October 17, 2029 | 18.1 |
| FC | 48,418,222 | TAC/AD | (6) | FLT | 3133TM 7 J 9 | November 20, 2025 | 6.0 | ZD | 7,650,000 | SUP | 8.0 | FIX/Z | 3133TMDW3 | August 17, 2023 | 12.1 |
| G | 26,326,000 | AD/SEQ | 7.0 | FIX | 3133TM 7 K 6 | June 20, 2010 | 6.0 | Residual |  |  |  |  |  |  |  |
| H | 24,800,000 | AD/SEQ | 7.0 | FIX | 3133TM 7 L 4 | March 20, 2016 | 13.5 | R | 0 | NPR | 0.0 | NPR | 3133 TM A 63 | October 20, 2029 | - |
| HO | 8,991,956 | TAC/AD | 0.0 | PO | 3133TMCQ7 | November 20, 2025 | 6.0 | RS | 0 | NPR | 0.0 | NPR | 3133 TMA 71 | October 20, 2029 | - |

(1) The Group 1 Classes are Multiclass PCs; the other Classes are Multiclass Securities
(2) The amount shown for a Notional Class is its original notional principal amount and does not represent principal that will be paid; see "Payments - Interest" in this Supplement.
(3) See "Description of Securities - Standard Definitions and Abbreviations for Classes" in the Offering Circular. The type of Class or Component with which a Notional Class will reduce is indicated in parentheses.
(4) See "Final Payment Dates" in this Supplement.
(5) Determined as described under "Prepayment and Yield Analysis" in this Supplement, and subject to the assumptions and qualifications in that section. Weighted average lives are calculated at $165 \%$ PSA for the Group 1 Classes, 155\% PSA for the Group 2 Classes, 135\% PSA for the Group 3 Classes and 190\% PSA for the Group 4 Classes. Prepayments will not occur at the rates assumed, and the actual weighted average lives of the Classes may differ significantly from those shown.
(6) Calculated as shown under "Terms Sheet - Class Coupons" in this Supplement.

## TERMS SHEET

This Terms Sheet contains selected information about this Series. Investors should refer to the remainder of this Supplement for further information.

## MACR Certificates

This Series provides for the issuance of Classes (each, a "MACR Class") of Modifiable and Combinable REMIC Certificates ("MACR Certificates") in exchange for certain Classes of REMIC Certificates. Holders of such REMIC Certificates will be entitled to exchange all or a portion of their REMIC Certificates for related MACR Certificates, and Holders of MACR Certificates will be entitled to exchange all or a portion of their MACR Certificates for related REMIC Certificates. Appendix 1 to this Supplement shows the characteristics of the MACR Classes and the "Combinations" of Classes of REMIC Certificates and MACR Certificates.

See "MACR Certificates" in the Offering Circular for a description of MACR Certificates and procedures for effecting exchanges. The fee payable to Freddie Mac in connection with each exchange (except for an exchange involving Combination 2,11 or 14 ) will equal $2 / 32$ of $1 \%$ of the outstanding principal amount (exclusive of any notional principal amount) of the Securities submitted for exchange (but not less than $\$ 5,000)$. The fee payable to Freddie Mac in connection with each exchange involving Combination 2 or 11 will equal $2 / 32$ of $1 \%$ of the outstanding notional principal amount of the Securities submitted for exchange (but not less than $\$ 5,000$ or more than $\$ 60,000$ ). The fee payable to Freddie Mac in connection with each exchange involving Combination 14 will equal $2 / 32$ of $1 \%$ of the outstanding notional principal amount of the PT or PX Class submitted for exchange (but not less than $\$ 5,000$ or more than $\$ 60,000$ ).

## Class Coupons

The Fixed Rate Classes will bear interest at the Class Coupons shown on the cover page of this Supplement or on Appendix 1 to this Supplement.

The HO, KO, MO and PO Classes will be Principal Only Classes and will not bear interest.

The Floating Rate and Inverse Floating Rate Classes will bear interest as follows:

| Class | $\begin{gathered} \text { Initial } \\ \text { Rate(1) } \end{gathered}$ | Class Coupon(2) | Class Coupon Subject to |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Minimum Rate | Maximum Rate |
| REMIC Certificates |  |  |  |  |
| F | 5.881\% | LIBOR + 0.5\% | 0.5\% | 8.5\% |
| FB | 5.883 | LIBOR + 0.5\% | 0.5 | 8.5 |
| FC | 5.983 | LIBOR + 0.6\% | 0.6 | 9.0 |
| FD | 5.95 | LIBOR + 0.55\% | 0.55 | 8.5 |
| FE | 5.9 | LIBOR + 0.5\% | 0.5 | 9.0 |
| PT | 2.55 | 7.95\% - LIBOR | 0 | 7.95 |
| SA | 14.16625 | 61.25\% - (LIBOR $\times 8.75$ ) | 0 | 61.25 |
| SB | 10.0 | 80.0\% - (LIBOR $\times 10.0$ ) | 0 | 10.0 |
| SG | 9.5 | 84.0\% - (LIBOR $\times 10.0$ ) | 0 | 9.5 |
| SJ | 2.55 | 7.95\% - LIBOR | 0 | 7.95 |
| SK | 0.55 | 8.5\% - LIBOR | 0 | 0.55 |
| SM | 19.6275 | 60.0\% - (LIBOR $\times 7.5$ ) | 0 | 60.0 |
| SN | 11.13 | 40.115\% - (LIBOR $\times 5.3846$ ) | 0 | 40.115 |
| SO | 10.0 | 79.5\% - (LIBOR $\times 10.0$ ) | 0 | 10.0 |
| SP | 46.5 | 208.5\% - (LIBOR $\times 30.0$ ) | 0 | 208.5 |
| MACR Classes |  |  |  |  |
| PX | 7.540397\% | 12.940397\% - LIBOR | 4.990397\% | 12.940397\% |
| S | 12.222 | 37.33333\% - (LIBOR $\times 4.666667)$ | 0 | 37.33333 |
| SC | 12.222 | $37.33333 \%$ - (LIBOR $\times 4.666667$ ) | 0 | 37.33333 |
| SD | 14.16625 | 61.25\% - (LIBOR $\times 8.75$ ) | 0 | 61.25 |
| SE | 10.0 | 80.0\% - (LIBOR $\times 10.0$ ) | 0 | 10.0 |
| SF | 19.6275 | 60.0\% - (LIBOR $\times 7.5$ ) | 0 | 60.0 |
| SH. | 11.13 | 40.115\% - (LIBOR $\times 5.3846$ ) | 0 | 40.115 |
| SI | 19.125 | 59.625\% - (LIBOR $\times 7.5$ ) | 0 | 59.625 |
| SQ | 10.0 | 79.5\% - (LIBOR $\times 10.0$ ) | 0 | 10.0 |
| SR | 46.5 | 208.5\% - (LIBOR $\times 30.0$ ) | 0 | 208.5 |
| ST | 19.125 | 59.625\% - (LIBOR $\times 7.5$ ) | 0 | 59.625 |

(1) Initial Rate will be in effect during the first Accrual Period; Class Coupon will adjust monthly thereafter.
(2) LIBOR will be determined using the "BBA Method." See "Description of Securities - Interest Rate Indices" in the Offering Circular.

See "Payments - Interest" in this Supplement.

## Notional Classes

| Class | Original Notional Principal Amount | Reduces Proportionately With |
| :---: | :---: | :---: |
| REMIC Certificates |  |  |
| PK | $\begin{array}{r} \$ 11,000,000 \\ 3,452,773 \end{array}$ | PH (PAC Class) <br> PL (PAC Class) |
|  | \$14,452,773 |  |
| PN | \$ 3,090,514 | PM (PAC Class) |
| PS | 17,700,440 | PR (PAC/Accretion Directed Class) |
| PT | $\begin{array}{r} \$ 15,669,522 \\ 12,705,678 \\ \hline \end{array}$ | FD-1 (PAC/Accretion Directed Component) <br> First \$12,705,678 of FE (PAC/Accretion Directed Class) |
|  | $\underline{\underline{\$ 28,375,200}}$ |  |
| SA | \$18,248,094 | PO (Support Class) |
| SB | \$15,967,082 | PO (Support Class) |
| SJ | $\begin{array}{r} \$ 56,393,400 \\ 12,034,000 \end{array}$ | FD-2 (TAC/Accretion Directed Component) <br> Last \$12,034,000 of FE (TAC/Accretion Directed Class) |
|  | $\underline{\text { \$68,427,400 }}$ |  |
| SK | \$24,739,678 | FE (PAC/Accretion Directed Class) |
| SM | \$11,843,176 | MO (TAC Class) |
| SN | \$ 8,991,956 | HO (TAC/Accretion Directed Class) |
| SO | \$ 4,975,889 | KO (TAC/Accretion Directed Class) |
| SP | \$ 1,658,629 | KO (TAC/Accretion Directed Class) |
| MACR Classes |  |  |
| PX | \$28,375,200 | PR (PAC/Accretion Directed Class) |
| SC | \$34,215,176 | PO (Support Class) |
| ST | \$ 6,634,518 | KO (TAC/Accretion Directed Class) |

See "Payments — Interest — Notional Classes" in this Supplement.

## Components

| $\underline{\text { Designation }}$ | Original <br> Principal Amount | Principal Type* |
| :--- | :--- | :--- |
| FD-1 | $\$ 15,669,522$ |  |
| FD-2 | $\underline{\text { PAC/Accretion Directed }}$ |  |
|  | $\underline{106,152,282}$ |  |

* See "Description of Securities - Standard Definitions and Abbreviations for Classes" in the Offering Circular.

See "Payments - Principal - Component Class" in this Supplement.

## Allocation of Principal

REMIC Certificates
On each Payment Date, Freddie Mac will pay:

## Group 1

- The "Group 1 Asset Principal Amount" for that Payment Date to the Classes shown below in the following order of priority:



## Group 2



## Group 3

Accretion
Directed
and Accrual $\left\{\begin{array}{l}\text { - The "CZ Accrual Amount" for that Payment Date to FC, HO and SG, pro rata, until retired, and } \\ \text { then to CZ } \\ \text { - The "ZB Accrual Amount" for that Payment Date to G and H, in that order, until retired, and } \\ \text { then to ZB }\end{array}\right.$

- The "Group 3 Asset Principal Amount" for that Payment Date to the Classes shown below in the following order of priority:
$\underset{\text { Pay }}{\substack{\text { Pequential }}}\left\{\begin{array}{l}\text { 1. Beginning November 20, 2002, }\end{array}\right.$
pac $\{$ 2. Beginning July 20, 2000, to PM and PQ , in that order, until reduced to their Aggregate Targeted Balance for that Payment Date
тас $\{$ 3. To FC, HO and SG, pro rata, until reduced to their Aggregate Targeted Balance for that Payment Date
Support $\{$ 4. To $C Z$, until retired
тас $\left\{\begin{array}{l}\text { 5. To FC, } \mathrm{HO} \text { and } \mathrm{SG} \text {, pro rata, until retired }\end{array}\right.$
PAC $\{$ 6. To PM and PQ , in that order, until retired

7. To LL, G, H and $Z B$, in that order, until retired

Group 4
$\underset{\substack{\text { Accretion } \\ \text { Directed }}}{ }$ •The "ZD Accrual Amount" for that Payment Date to FD-2 and KO, pro rata, until retired, and Directed and Accrual then to ZD

- The "Group 4 Asset Principal Amount" and the "ZC Accrual Amount" for that Payment Date to the Classes and Components shown below in the following order of priority:

| ${ }^{\text {PAC }}$ | 1. To the PAC Classes and Component, until reduced to their Aggregate Targeted Balance for that Payment Date, allocated as follows: <br> a. Concurrently, $9.5840868723 \%$ to FD-1, $7.7712850286 \%$ to FE and $82.6446280992 \%$ to PR, while FD-1 and PR are outstanding <br> b. Concurrently, $50 \%$ to FE and $50 \%$ to PU |
| :---: | :---: |
| tac | 2. To FD-2 and KO, pro rata, until reduced to their Aggregate Targeted Balance for that Payment Date |
| Support | 3. To ZD, until retired |
| tac | 4. To FD-2 and KO, pro rata, until retired |
| PA | 5. To the PAC Classes and Component as shown in Step 1, but without regard to their Aggregate Targeted Balance, until retired |
| $\underbrace{}_{\substack{\text { Sequential } \\ \text { Pay }}}$ | 6. To ZC, until retired |

The Targeted Balances and Aggregate Targeted Balances (shown under "Payments - Principal Targeted Balances Schedules" in this Supplement) were structured using, among other things, the following structuring ranges and rates:

| Class | Structuring Range or Rate |
| :---: | :---: |
| Group 1 PAC | 100\% PSA - $300 \%$ PSA |
| Group 2 PAC | 100\% PSA - $250 \%$ PSA |
| Group 2 TAC | 170\% PSA |
| Group 3 PAC | 100\% PSA - 200\% PSA |
| Group 3 TAC | 150\% PSA |
| Group 4 PAC | 100\% PSA - 300\% PSA |
| Group 4 TAC | 200\% PSA |

## MACR Classes

On any Payment Date when payments of principal are to be allocated from REMIC Certificates to MACR Certificates, such payments (or, in the case of Combination 6, the net reduction in principal) will be allocated from the applicable Class or Classes of REMIC Certificates to the related MACR Class.
See "Payments - Principal" and "Prepayment and Yield Analysis" in this Supplement.

## Retail Class

The LL Class is being offered by means of a separate Supplement dated September 15, 1999 (the "Retail Class Supplement").

## Freddie Mac Guarantee

Freddie Mac guarantees to each Holder of a Security (i) the timely payment of interest at the applicable Class Coupon and (ii) the payment of the principal amount of the Holder's Security as described in this Supplement. The Government National Mortgage Association ("GNMA") guarantees the payment of principal and interest on GNMA Certificates.

## REMIC Status

Freddie Mac will form an "Upper-Tier REMIC Pool" and a "Lower-Tier REMIC Pool" for this Series. Elections will be made to treat each REMIC Pool as a "real estate mortgage investment conduit" ("REMIC") pursuant to the Internal Revenue Code. The R and RS Classes will be "Residual Classes" and
the other Classes of REMIC Certificates will be "Regular Classes." The Residual Classes will be subject to transfer restrictions. See "Certain Federal Income Tax Consequences" in this Supplement and the Offering Circular.

Weighted Average Lives (in years)*

| Group 1 | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 165\% | 300\% | 500\% |
| F, PO, S, SD and SE. | 12.5 | 8.8 | 6.0 | 1.8 | 1.0 |
| PA | 7.7 | 5.3 | 5.3 | 5.3 | 3.9 |
| Group 1 Assets | 9.2 | 6.4 | 5.5 | 4.2 | 3.0 |

Group 2

|  | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 155\% | 250\% | 500\% |
| A | 9.0 | 9.0 | 9.0 | 8.1 | 5.4 |
| B | 28.9 | 24.2 | 20.4 | 15.1 | 8.1 |
| D | 6.0 | 6.0 | 6.0 | 5.9 | 4.6 |
| E | 13.0 | 13.0 | 13.0 | 10.9 | 6.6 |
| FB, MO and SF | 14.1 | 10.2 | 5.6 | 3.9 | 1.8 |
| PH | 15.5 | 5.0 | 5.0 | 5.0 | 3.4 |
| PJ | 22.5 | 9.5 | 9.5 | 9.5 | 5.3 |
| PL | 11.5 | 4.0 | 4.0 | 4.0 | 2.6 |
| Z | 28.9 | 24.2 | 20.6 | 16.4 | 9.8 |
| ZA | 25.4 | 16.5 | 12.7 | 1.8 | 0.7 |
| Group 2 Assets | 21.0 | 11.7 | 9.2 | 6.6 | 3.7 |

Group 3

|  | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 135\% | 200\% | 400\% |
| C | 9.7 | 9.7 | 9.6 | 8.7 | 5.9 |
| CZ | 25.0 | 14.2 | 11.6 | 1.4 | 0.5 |
| FC, HO, SG and SH | 17.5 | 9.5 | 6.0 | 3.6 | 1.5 |
| G | 6.0 | 6.0 | 6.0 | 6.0 | 4.8 |
| H | 13.7 | 13.7 | 13.5 | 11.5 | 7.2 |
| LL | 23.2 | 15.2 | 12.8 | 9.6 | 5.4 |
| PM | 12.9 | 4.0 | 4.0 | 4.0 | 2.8 |
| PQ | 21.0 | 8.2 | 8.2 | 8.2 | 4.6 |
| ZB | 28.5 | 22.8 | 20.9 | 17.8 | 11.2 |
| Group 3 Assets | 20.8 | 11.5 | 9.8 | 7.6 | 4.4 |

## Group 4

|  | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 190\% | 300\% | 500\% |
| FD | 17.5 | 10.7 | 5.3 | 2.8 | 1.5 |
| FE | 14.4 | 6.3 | 6.3 | 6.3 | 4.3 |
| KO, SI, SQ and SR | 18.5 | 11.7 | 5.5 | 2.6 | 1.3 |
| PR. | 10.8 | 4.0 | 4.0 | 4.0 | 2.9 |
| PU | 18.2 | 8.8 | 8.8 | 8.8 | 5.8 |
| ZC | 27.2 | 22.2 | 18.1 | 13.8 | 9.1 |
| ZD | 23.0 | 16.0 | 12.1 | 0.4 | 0.1 |
| Group 4 Assets | 20.8 | 11.1 | 7.4 | 5.1 | 3.1 |

* Determined as described under "Prepayment and Yield Analysis" in this Supplement, and subject to the assumptions and qualifications in that section. Prepayments will not occur at any assumed rate shown or any other constant rate, and the actual weighted average lives of any or all of the Classes and of the Assets are likely to differ from those shown, perhaps significantly.


## The Assets

The Group 1 Assets will consist of $\$ 600,000,000$ of Freddie Mac $7.0 \%$ per annum 15 -year PCs.
The Group 2 Assets will consist of $\$ 400,000,000$ of $7.5 \%$ per annum 30 -year GNMA-Related Securities.

The Group 3 Assets will consist of $\$ 300,000,000$ of $7.0 \%$ per annum 30-year GNMA-Related Securities.
The Group 4 Assets will consist of $\$ 330,000,000$ of $8.0 \%$ per annum 30-year GNMA-Related Securities.
The assets of this Series will also include a non-interest bearing cash deposit of $\$ 999.99$ to be used for principal payments on the LL Class as described in the Retail Class Supplement.

See "General Information - Structure of Transaction" and "Prepayment and Yield Analysis" in this Supplement.

## Assumed Mortgage Characteristics (as of October 1, 1999)

| Asset Group | Principal Balance | Remaining Term to Maturity (in months) | Loan Age (in months) | Per Annum Interest Rate | Per Annum Interest Rate of Related PCs or GNMA-Related Securities |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | \$600,000,000 | 170 | 8 | 7.55\% | 7.0\% |
| 2 | 400,000,000 | 357 | 2 | 8.25 | 7.5 |
| 3 | 300,000,000 | 356 | 3 | 7.75 | 7.0 |
| 4 | 330,000,000 | 344 | 12 | 8.50 | 8.0 |

The actual remaining terms to maturity, loan ages and (except in the case of Group 4) interest rates of most of the Mortgages differ from those shown above, in some cases significantly. See "General Information - Structure of Transaction" and "- The Mortgages" in this Supplement.

# Government National Mortgage Association GINNIE MAE 

Guaranteed REMIC Pass-Through Securities GNMA REMIC Trust 1996-9

The GNMA REMIC Trust 1996-9 Guarantped REMIC Pasg.Through Securitics (the "Secoritice") tepresent interesta in the GNMA REMIC Truse 19969 (the "Trust"). The assets of the Trust consist primarily of GNMA II Certificater guannteed pursuant to GNMA programs for firt lien, single-family, fixed race residential mortgage loand

The Clasees listed in the table below are offered pursuant $\mathrm{o}_{0}$ this Offering Circular Sapplement and the Base Offering Circular. Unless indicated atherwise, capitalized terma used herriv ghall have che meaningr assigned to then in the elossary attached as Appendix I! to the Bage Offecing Circular. For a discnssion of material risks in connection with the purihase of the Clagmen, wes "Risk PactorsClass Invertment Considerations" on Psge S-10 of this Supplement.

GNMA GUARANTEES THR TDMELY PAYMENT OP PRINCIPAL AND INTEREST ON THE SECURITIES.
THE GNMA GUARANTY IS BACKED BY THE FULL FAITH AND CREDIT OF THE UNITED STATES
OF AMERICA. THE SECURITIES ARE EXEMPT PROM THE REGISTRATION REQUIREMENTS OR THE SECURITIES ACT OF 1933 AND CONSTITUTE EXEMPTED SECURITIES UNDER THE SECURITIES EXCHANGE ACT OF 1934.
(Coos rontruwed om nexs page)

| Clatat | Oriqimal Pringipal Balance(1) | ITtertrot Rate | Primcipal <br> Type(2) | 1ntarant <br> Type(2) | Final Dintrikutien Date(3) | Weighted Averige Liff at 125 I PAA (in years) (4) | GUBIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PA | \$89,053,000 | 7.0\% | PAL | FIX | January 2019 | 2.3 | $3837 \mathrm{HOQC0}$ |
| PH | 10,000,000 | 7.0 | PAC | FLX | January 2020 | 4.5 | 3837H0QD8 |
| EJ | 19,773,000 | 7.0 | PAC | FiX | \$eptember 2021 | 6.0 | 3837 HOQE 6 |
| PB | 44,661,000 | 7.0 | PAC | PLX | September 2021 | 5.5 | 3837 H QQ ${ }^{3}$ |
| $F$ | 42,165,000 | 7.0 | PAC | P1X | January 2023 | 8.0 | 3837H0QG1 |
| PL | 75,314,000 | 7.0 | PAC | FIX | January 2025 | 11.0 | 3837 HQQH ¢ |
| PE | 29,511,000 | 7.0 | PAC | PiX | October 2025 | 15.0 | 3837H0Q I 5 |
| PG | 33,019,000 | 7.0 | PAC | FLX | June 2026 | 21.0 | 3837 HOQK 2 |
| A | 26,785,000 | 7.0 | SCH | FIX | June 2026 | 21.1 | 3837H0QLO |
| B | 45,728,000 | 7.0 | AD/SUP | FIX | May 2009 | 3.5 | 3837H0QMs |
| C | 8,940,000 | 7.5 | AD/SUP | FIX | May 2009 | 3.5 | 3837H0QN6 |
| D | 22,350,000 | 6.8 | AD/SLP | FIX | May 2009 | 3.5 | 3837 HOQP 1 |
| Z | 52,701,000 | 7.0 | SUP | FLX/Z | June 2026 | 18.4 | $3837 \mathrm{HOQQ9}$ |
| R | 0 | D | NPR | NPR | June 2026 | - | 383 FHOQR 7 |

(1) Subject to proportonate increare ae deacribed undes "Increase in Size" in this Suppliment.
(2) As defined under "Clase Types" in Appendix I to the Base Offeting Circular.
(3) See "Yedd, Maturity and Prepayment Consaderathong-Final Distribution Date" in chis Supplement.
(4) Determined as deseribed under "Yiedd, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not oceur at any assumed rate shown or any other constant rate, and the aftuad Weigbted Average Lives of any or all of the Clasges are likely to differ fram thase ahown, pertaps sigrifictantly.
The Securities are being offered by Lebman Brortert Inc. (the "Sponsor") and Ormes Capitai Marketa, Lte. (the "Cososponsor") Etom tince to time in negotiated tranactions at varying prices to be deternined at the time of sale, plus accrued intereat fram June 1,1996 .

The Securixies are offered subject to receript and acceptance by the Sponsor, to prior sale and to the Sponsor's nght to refect any order in whole or in part and to writhdraw, cancet or modify the offer without notice. It is expected that the Regukr Securities will be ready for defivery in Book-Entry Porm through the facilities of Paticipants Trust Company and that the Residual Securities will be delivered in cettificated form to the offices of the Sponsar in New York, New York, on or about June 28, 1996.

## Lehman Brothers <br> Ormes Capital Markets, Inc.

The date of this Offering Circular Supplement is June 25, 1996.

## GNMA REMIC TRUST 1996-9

TERMS SHEET
This terms sheet [the "Terms Sheet"] contains selected information for quick reference anly. Potential investors should read this Supplement particularly "Risk Factors-Class Investment Considerations," and the Base Offering Circular for further information.

Sponsor: Lehman Brothers Inc.
Trustee: The Chase Manhattan Bank, N.A.
Tax Administrator: The Trustee
Closing Date: June 28, 1996
Distribution Date: The 20th day of each month or, if \{a) the 20th day is a Monday or is not a Business Day or (b) the 19th day is a Monday and is not a Business Day, the first Business Day following the 20th day, commencing in fuly 1996.

Certificate Rate: $7.0 \%$
Trustee Fee: $3 / 20,003$ of all principal and interest distributions on the GNMA Certificates.
Assumed Mortgage Loan Characteristics (as of June 1, 1996):

| Principal Balauce | Weighted Average Remaining Term to Msturity [in months] | Weighted Avernge Loan Age (in months) | Weighted Average Mortgage Rate |
| :---: | :---: | :---: | :---: |
| \$500,075,000 | 357 | 2 | 7.75\%* |

[^12]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 GNMA Certificates's in this Supplement.
Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.
Increased Minimum Denomination Class: None
Interest Rates: The Interest Rates are shown on the cover page of this Supplement.

Allocation of Principal: On each Distribution Date, 3/20,003 of the Principal Distribution Amount will be applied to the Trustee Fee, and the remaining 20,000/20,003 of the Principal Distribution Amount and the Accrual Amount will be allocated as follows:
$\left.\begin{array}{c}\text { Accretion } \\ \text { Dinfected } \\ \text { Acerual }\end{array}\right\}$ • The Accrial Amount to B, C and D, pro rata, until retired, and then to Z

- 20,000/20,003 of the Principal Distribution Amount in the following order of priority:

1. To PA, until reduced to its Scheduled Principal Balance for that Distribution Date
pac
2. $39.9991939168 \%$ to PH and PJ, in that order, and $60.0008060832 \%$ to PB , until reduced to their Scheduled Principal Balances for that Distribution Date
3. To PC, PD, PE and PG, in that order, until teduced to their Scheduled Principal Balances for that Distribution Date

Schedpled
4. If and only if the Aggregate Remaining Balance for that Distribution Date is less than or equal to the 65\% PSA Scheduled Balance for that Distribution Date, then to A, until reduced to its Scheduled Principal Balance for that Distribution Date

Suypert
5. To $B, C$ and $D$, pro rata, until retired
6. To $Z$, until retired

Schednied
7. To A, without regard to its Scheduled Principal Balance, until retired
8. To PA, without regard to its Scheduled Principal Balance, until retired
9. $39.9991939168 \%$ to PH and $\mathrm{PJ}_{\text {, }}$ in that order $\mathrm{r}_{s}$ and $60.0008060832 \%$ to PB ,
pac without regard to their Scheduled Principal Balances, until retired
10. To PC, PD, PE and PG, in that order, without regard to their Scheduled Principal Balances, until retired

Accrual Class: Class $Z$ is an Accrual Class. Interest will accrue on the Accrual Class at the per annum rate set forth on the cover page of this Supplement. Howcver, such interest will not be distributed thereon as interest, but will be distributed as principal as described under "Allocation of Principal" above. Interest so accrued and unpaid on the Accrual Class will he added to the Class Principal Balance of that Class on each Distribution Date.

Structuring Ranges: The PAC and Scheduled Classes were structured using, among other things, the following Structuring Ranges:

| Class | Ranges |
| :---: | :---: |
| IAC | 85\% PSA through 225\% PSA |
| Scheduled | 100\% PSA through 185\% PSA |

The Effective Range for a Class may differ from its Structuring Rangc. The Effective Ranges for the PAC and Scheduled Classes are set forth under "Risk Factors-Class Investment Considera-tions-PAC Classes (Classes PA, PB, PC, PD, PE, PG, PH and PJ) and Scheduled Class (Class A]" in this Supplement.

Scheduled Principal Balances: The Scheduled Principal Balances for the PAC and Scheduled Classes are included at the end of this Supplement.

Aggregate Remaining Balance: The Aggregate Remaining Balance for any Distribution Date means the aggregate of the remaining principal balances to which the GNMA Certificates would be reduced in the month in which that Distribution Date occurs, based on the related Certificate Factors and Calculated Certificate Factors.

65\% PSA Scheduled Balance: The $65 \%$ PSA Scheduled Balance for any Distribution Date means the Aggregate Remaining Balance that would exist on such Distribution Date, based on the Modeling Assumptions and assuming the Mortgage Loans were to prepay at a constant rate of $65 \%$ PSA. The $65 \%$ PSA Scheduled Balances are included at the end of this Supplement.

Weighted Average Lives (years)*

|  | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Clasa | 0\% | 85\% | 125\% | 225\% | 300\% |
| PA | 7.9 | 2.3 | 2.3 | 2.3 | 2.3 |
| PH | 14.4 | 4.5 | 4.5 | 4.5 | 4.5 |
| PJ | 17.1 | 6.0 | 6.0 | 6.0 | 5.3 |
| PB | 16.1 | 5.5 | 5.5 | 5.5 | 5.0 |
| PC | 19.7 | 8.0 | 8.0 | 8.0 | 6.5 |
| PD | 22.4 | 11.0 | 11.0 | 11.0 | 8.8 |
| PE | 24.4 | 15.0 | 15.0 | 15.0 | 12.1 |
| PG | 25.7 | 21.0 | 21.0 | 21.0 | 17.6 |


| Class | PSA Prepayment Assumption |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 09\% | 50\% | 64\% | 65\% | 100\% | 125\% | 185\% | 225\% | 300\% |
| A | 29.7 | 29.0 | 28.8 | 21.3 | 21.1 | 21.1 | 21.1 | 8.9 | 4.1 |
| Z | 27.8 | 24.0 | 22.5 | 24.0 | 20.7 | 18.4 | 6.7 | 4.1 | 2.9 |
|  | PSA Piepayment Assmmption |  |  |  |  |  |  |  |  |
| Class |  |  | D9\% | 50\% | 100\% | 125\% | 185\% | 225\% | 300\% |
|  |  |  | 7.4 | 7.4 | 5.3 | 3.5 | 2.0 | 1.7 | 1. |

* Derermined as described under 'Yield, Maturity and l'repaytrent Considerations' in this Supplement. Prepayments will not occur at any assumed rate shown or gny othes constant rate, and the actual Weighted Average Lives of any ur all of the Clasese ate likely to differ from those shown, perhaps significantly.

Tax Status: Single REMIC Series. Scc "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 are Regular Classes.

Suitability: The Securities of any Class may not be suitable investments for all investors. The Sponsor intends to make a market for the Securities but is not obligated to do so. There can be no assurance that such a Secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable them to realize their anticipated yield. The market values of the Securities are likely to fluctuate. The fluctuations may be significant and could result in significant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear $\{i$ ) the prepayment and gield risks associated with that Class and [ii] the risk that the value of such Securities will fluctuate over time and that auch Securities may not be readily salable.

## Government National Mortgage Association



## GINNIE MAE ${ }^{\text {® }}$

Guaranteed REMIC Pass-Thtough Securities
Ginnie Mae REMIC Trust 2000-33

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-? which highlights some of these tisks.

## The Securities

The Trust will issuc the classes of securities listed on the inside front. (c)wer.

The Ginnie Mae Guaranty
Gimine Mae will guarantee the timely papment of principal and interest on the securities. The Ginnie Mae Guatanty is backed by the full faith and credit of the lineed States of America.
The Trust and its Assets
The Trust will own Cifonic Mac Certificates.

The Sponsor and the Co-Spansor will offer the securites from time to time in negotiated Ltansactions at varying prices. We expect the closing date to be October 30, 2000.

You should read the Base Offering Circular as well as this Supplement.
The secmitics are excmpt from registation under the Sceurities Act of 1933 and ate: "exempted securities" under the Securities Exchange Act of 1934.

## Ginnie Mae REMIC Trust 2000-33

The Trust will issue the classes of securities listed in the table below.

| Class of REMIC Securities | Original <br> Principal <br> Balance(1) | Interest Rate | Principal Type(2) | Interest <br> Type(2) | Final Distribution Date(3) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CA | \$20,184,000 | 7.5\% | TAC | FIX | May 2028 | 3837H43K9 |
| CB | 8,779,000 | 7.5 | TAC | FIX | November 2028 | 3837H43L7 |
| CD | 6,405,000 | 7.5 | TAC | FIX | February 2029 | 3837H43M5 |
| CE | 7,531,000 | 7.5 | TAC | FIX | July 2029 | 3837 H 43 N 3 |
| CG | 7,718,000 | 7.5 | TAC | FIX | November 2029 | 3837H43P8 |
| CH | 10,359,000 | 7.5 | TAC | FIX | October 2030 | 3837H43Q6 |
| F. | 10,058,823 | (4) | TAC | FLT | October 2030 | 3837H43R4 |
| PA | 99,454,000 | 7.0 | PAC | FIX | February 2027 | 3837H43S2 |
| PB | 58,968,000 | 7.5 | PAC | FIX | February 2030 | 3837H43T0 |
| PC | 16,202,000 | 7.5 | PAC | FIX | October 2030 | 3837H43U7 |
| PI. | 6,630,266 | 7.5 | NTL (PAC) | FIX/IO | February 2027 | 3837 H 43 V 5 |
| S. | 1,341,177 | (4) | TAC | INV | October 2030 | 3837H43W3 |
| ZC | 3,000,000 | 7.5 | SUP | FIX/Z | October 2030 | 3837H43X1 |
| Residual |  |  |  |  |  |  |
| RR . . . . | 0 | 0.0 | NPR | NPR | October 2030 | 3837 H 43 Y 9 |

(1) 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.
(2) 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 as described in this Supplement.
(3) See "Yield, Maturity and Prepayment Considerations — Final Distribution Date" in this Supplement.
(4) See "Terms Sheet - Interest Rates" in this Supplement.

## TERMS SHEET

'Ihis terms sheet concains selected information for quick reference only. You should tead this Supplement, particularly "Rusk Factors," and each of the other documents listed under "Availalle Information."
Sponsor: Prudental Securides lincorpotated
Trustee: State Srrecr liank and 'Tinst Company
Tax Administrator:The Trustice
Closing Date: October 30, 2001)
Distribution Date: The 20th day of each month or, if the 19th day or the 20th day is not. a Busilness Day, the fitst Business Day following the 20th day of each month, emmencing in Nowetnlyer 2 (H0).

## Trust Assets:

| Trust Asset Type | Certificate Rate | Original Term To Maturity (in yeare) |
| :---: | :---: | :---: |
| Ginnic Mae IT | 7.5\% | 3 |

Assumed Chatactetistics of the Mortgage Loans Underlying the Trust Absets

| Principal Balance | Weighted Average Remaining Term to Matarity (in months) | Weighted Average Loan Age (in months) | Weighted Average Mortgage Ratè |
| :---: | :---: | :---: | :---: |
| \$ 50,000,000 | 360 | 0 | 8.28\% |
| $50,000,000$ | 358 | 2 | 8.28 |
| $50,1600,000$ | 356 | 4 | 8.28 |
| $50,000,000$ | 354 | 6 | 8.28 |
| 50,000,000 | 352 | 8 | 8.28 | $\$ 250,000,0000$

1 As of Oetober 1,2000 .

s The Mortgage locans underlying the Tiust Assets may bear interesr ar mates manging from $0.5 \%$ Le $1.5 \%$ per anis:un above the Cerificale Rale.
The accual temaining terms to traturity, leate ages and Mortgage Rates of many of the Mortgage Loans will differ from the weighted avetages shown above, perhaps signiticantly. Ser "The Truby

Increased Minimum Denomination Classestach Class that consticules an Intetest. Only of


Interest Rates: The Interest: Rates for the Fixed Rate Classes ate shown on the inside cover page of this Supplement.

IThe Floating Rate and Thecrse Floating Rate Chases will beat interest at pet athom tates based on one-month $\angle I B O R$ (hereinafer referred to as "LIBOR") as follows:

| Clase | Intereat Rate Furmula(1) | Inítial Intereat Tute(2) | Minitwn Rate | $\begin{gathered} \text { Maximum } \\ \text { Rate } \end{gathered}$ | Delay <br> (in days) | LIBOR for Minimum Intereat Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $\mathrm{LEBOR}+1.00 \%$ | $7.621{ }^{\circ} / 1$ | 1.00\% | 8.50\% | 0 | $0.00 \%$ |
| 5 | 5 $5.25 \%-$ T,TBOR $\times 7.5)$ | 6.592 | 0.00 | 56.25 | 0 | 7.30) |



(3) The inilial Interes: Rate will be in cffect during the Eirst Accrual Period; the lacerest Rate will adjust monchly rinerrentiter.

Allocation of Principal@n each Distribution Date, a purcentage of the Principal Distriburion imount will be applied to the Iruscee Fee, and the remainder of ahe Principal Distriburion Amount (che "Adjusted letincipal Distriburion Amount") and the 7.C. Accrual Anount witl be allocatace ats tollows:

- The 7.C Accratal Atrucsutat in the follenwing order of ptioricy:


Scheduled Principal Balancesihe Schectuled Principal Balances for the Classes listed below are inceluded in Schedule I to this Supplement. They were calculated using, among other chings, the following Stucnaring Range and Rate:

Classes
PhC. Clamses
TAC Clawse

Range and Rate
$1(H) \% 15 \mathrm{Si}$ though $250 \% \mathrm{PSA}$ $164 \% \mathrm{PW}$

Acctual Class: lnerest will accrue me the Accrual Class idenificd on the inside Front cover of this Supplement at the pet annum rate set forth on that page. However, no incerest will be distributed to the Accrual class as interest. Interest so accrued on the Accrual Class on each Distribution Date will constitute the ZC: Acctual irnount, which will be added to the Class Priticipal Balance of dat Clats on each Distribulion Date and will be distribuable as principal ats set. forth in this Tertens Shect under "Allocation of Princepral."

Notional Class: 'Ihe Notional Class will not receive distributions of principal but has a Class Nocional Balance for converience in describing its entitlement to interest. The Class Nocional Balance of the Nostonat (lats represents the peteentage indicated below of, and reduces to that externt with, the Clatss Principal Balarice indicated:

| Classes | Otiginal Class Notional Balance | Represents Approximatcly |
| :---: | :---: | :---: |
| I'I. | \$6,630,266 | 6.6666666667\% of PA (PAC Class) |

Tax Status: Double REMIC Scrics Ser "Cortuin Fedent Inome Tix Comprequmar" in thir Syphemmt wor in the Base Offring Cinwlur.
Regulat and Residual Classestlass RR is a Residual Class and includes the Residual linterests of the Jssuing RliMIC. and the Poobing REMIC; atl other Classes of REMIC Secutities ate Regular Classes.

# \＄443，831，997 <br> Government National Mortgage Association GINNIE MAE ${ }^{*}$ 

## Guaranteed REMIC Pass－Through Securities and MX Securities Ginnie Mae REMIC Trust 2000－15


#### Abstract

   ＂Underlyng REMTC：Certificates＂，as further descrihed in Exhibits A and B hercw，cradencing interests in trusts｜nr an asset aroup included thereini： consisting pridnalify of Ginnie Miat Certificuces．

Guaranterd REMIC Tass－Through Scunicics｜＂REMIC Sacuritiesi＂specified herein mip，upon motice and paymuent of an exchange fee，be exchanged  Sucumties－Modification and Exchange＂in the Bast Ofiering Circular．In additann，as described therein，Classes of MX Securitjes are exchangeable for  the tertn＂Classes＂incluces Classest do REMLC＂Securscies and NDX Socurities．

The Classes lisced in the table below and the $\$ 1 \mathrm{X}$ Classes are offeped pursuant to this Oífering Circular Supplement and the Base Oifuring Ciriular  Group with the same numericil desimation，Unless indicated otherwisc，copiralized terms ured herein shall have the meaningo assigned tor them in the glossary attached as Appendux I to the Base Offering Circular．

For a discussion of certain material risks in commection with the purchase of the Securities，see＂Risk Factorg－Class Investment Considerations ${ }^{2}$ on page $\mathrm{S}-13$ of this 5applement．

GINNIE MAE GLAARANTEES I＇EE TMSELY YAYMENY OF PRINCIPAL AND INTEREST ON THE SECURITIES THE GINNIE MLAE GUARANTY 15 EACKED BY THE FULL EAITH AND CTEDIT OF THE WNITED STATLS OF AMERICA TIIE SECURITIES ARE EXEMPI FROM THE REGESTRATION REQUIREMENTS OF THIE SECURITILS ACT OF 1933 AND ©ONSTITUTE EXEAETED SECURITIES UNDER


 THE SECURITIES EXC．HANGE AC．T ©F 1984.队iswer confinised on next poze！

| Clase uf remuli becuriuch | Urieilail Princhinl <br>  | timerest Kave | Ртілсіраи Type［31 | Interest Thpe｜3！ |  | 1： 1 Sis <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group I |  |  |  |  |  | 1 |
| FAll $\ldots$ | \＄ 22.868 .94 | 151 | ADSU］ | FlT | May 2026 | － 3837 H 34 T |
| HA | 29.021 .650 | 7.515120 | NuTSUP | HLX | －（ktoter 21223 | 3837 H 34 LH |
| HB | 10，010，004 | 3.50 | AD／SUP | FIX | i Marcll 2024 | 383？ 3 34V6 |
| HI | 3．739，000 | 8 （k］ | Ambilup | FIX | lanuaty 203．3 | 3887H34W4 |
| HK | 1，336，001／ | 8.013 | AD／SUP | FIX | February 2025 | 3837H34X2 |
| HI | 8．925．000 | 8.05 | ADikup | FIX | －M90\％2026 | ！3837H34Y0 |
| HM | 1．500，biple | H．00］ | ADISUP | FLX | November 2008 | （ 383711342 ？ |
| IIN | 1，500，000 | 8.50 | A刀ISUS | FTX | －Peocuriner 2013 | ．383？${ }^{\text {a }} 35 \mathrm{Sa}$ |
| HP | 1．500，3以 | 4.00 | ADiSUP | FLX | －july 2017 | 38371.135 EV |
| HZ | 1．500．000 | 8.010 | SUT | FIX／Z | May 2.076 | ：3837H35C7 |
| LA | 3，795，903 | 7.54 | NTL｜AD／PAC： | $\mathrm{FLX} / \mathrm{CO}$ | ！April 2024 | 3837 HLS 2 F |
| K | 3，381，837 | 0.50 | AD／5UP | PQ | ！May 2026 | 3837H35E3 |
| PA | 113，377，1013 | 7.25 | ADPPAL | FIX | A April 2024 | $3437118.5 F l t$ |
| PC | 13，500，000 | 7.50 | AD／PAC | FIX | Novcmber 2024 | 3837H35G8 |
| 1 － | $34,382,500$ | 7．hlk | ADPALC | FIX | May 2026 | ｜3837 $335 \mathrm{H6}$ |
| SA｜l＇ | 2，558，619 | ；51 | ADiSUP | INT | May 2026 | 3837 H 35 J 2 |
| VA． | $5.460,000$ | 7 F | A］3MEC | F［X | Novernher 20154 | 38.77 H 35 K 9 |
| YB | 21，121，200 | 7.50 | $A D / S E Q$ | FIX | January 7015 | 38.37113547 |
| 7. | 13，0］8，800 | 7.50 | SEP | FIXiZ． | Fchnuary 2080 | 3637H35M5 |
| Sexurity Group 2 |  |  |  |  |  |  |
| CB | ［，662，404 | 7.75 | SCSEQ | FIX | January 20.30 | 3837H35： 3 |
| FN（1） | 142，169．593 | ＇S1 | SCASL | FLT | ］anuary 2030 | 3837113616 |
| ICN＇ij | 142，169，563 | 8.50 | SCNTL SEQI | FEXTO | January 20.30 | 3837 H 3506 |
| Residual | 142，169，5\％ | ！ | $\mathrm{SCO} \mathrm{NH}^{-2}$ ，SLC！ | INVIO | January 2tal | WH．37H3GK4 |
| RR | 0 | 0.06 | NPK | NPR | February 20330 | 38．77E3392 |

ill Denolcs a Class which is exclanzeable for ain MX Class．See Extubit C to this Supplement ior a descriptiun of the MX Classes．


 Nutjonal Class will be reduced is mulicated ir parenthesies．
［41 Sce＂Yield，Matority and Prepaymenr Considcrations－Final Disrribution Datc＂in tois Supplemen．．


 2000 on the Fixed Rate Classes，fram Fehruary 20 ． 2000 ，on the Foating Hate and loverse Floacing Rate Clazses in Gruup 1 and frum February 17， 2000 un the Floatisg Rate and Inverse Floating Rate Classes in Group 2.

 throum the facibies of the Book Entry Depository and athat the Residual Socuritics with be deliverad in cerinicated form to the offices of the 5pansor in New Yirk，New Yurk，in or abour february 29． 2 亿俰

## GINNIE MAE REMIC TRUST 2000-15 TERMS SHEET

This terms shect [the "Terms Sheet") contains selected information for quick reference only. Prospective investors should read this Supplement, particularly "Risk Factors-Class Investment Considerations," and the Base Offering Circular for further information. Prospective investors in the Group 2 Securities are also urged to read the information included in Exhibits A and B hereto relating to the Underlying REMIC Certificates.
Sponsor: Mcrrill Lynch, Pierce, Fenncr \& Smith Incorporated
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: February 29, 2000
Distribution Dates: For the Group 1 Securities, the 20th day of each month or, if the 19th day or the 20th day is not a Business Day, the fitst Business Day following the 20th day, commencing in March 2000. For the Group 2 Securties, the first Business Day following each Underlying REMIC Distribution Date, commencing, in March 2000. The "Underlying REMIC Distribution Date" is the l6th day of each month or, if the 16 th day is not a business day, the first business day thereafter. For purposes of the definition of Underlying REMIC Distribution Date, "business day" will have the meaning assigned thereto for the Underlying REMIC Trust.
Trust Assets;

| Trust Asset Graup | Trast Asset Type | Cerifictate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnic Mac JI | $7.5 \%$ | 30 |
| 2 | Underlying REMIC Certificates |  |  |

* Information regarding the Undefying REASIC. Cerificates and the relared Murtzage Luant, is set iorch in Exhibits A and $B$
 REMATC Cotrificates.
Sce "The Trust Assets-Substitution of Trust Assets" in this Supplement.


## Security Groups:

$$
\begin{array}{ll}
\text { Group 1 Securities: } & \text { Classes FA, HA, HB, H], HK, HL, } \\
& \text { HM, HN, HP, HZ, IA, K, PA, PC, } \\
& \text { PD, SA, VA, VB and Z (REMIC } \\
& \text { Securities); Class HD (MX Security) } \\
\text { Group 2 Securities: } & \text { Classes CB, FN, IC and SN (REMIC } \\
& \text { Securities); Class CA (MX Security] }
\end{array}
$$

Assumed Mortgage Loan Characteristics of the Mortgage Loans Underlying the Group 1 Trust Assets jas of February 1, 2000):

| Priacipal Balance• |
| :--- |
| $\$ 300,000,000$ |


$\frac{$|  Weighted Average  |
| :---: |
|  Remaining Term to  |
|  Maturity lin months]  |}{356}


| Weighted Average Loan Agr (in months! | Weighted Apersge Mortgage Rate ${ }^{\text {* }}$ |
| :---: | :---: |
| 4 | 8.21\% |

$\therefore$ Does nat include Trusc Assecs that wilt bec added to pay the Trusece Fee.

The actual remaining terras to maturity, loan ages and Mortgage Rates of many of the Morgage Loans will differ from the weighted averages shown above, perhaps significantly. See "The Trust Assets-The Morgage Loans" in this Supplement. Sec Exhibit A hereto for information regarding the characteristies of the Mortgage Loans included in the Underlying REMIC Trust.

Modeling Assumptions: Set forth under "Yield, Matwity and Prepayment Considerations" in this Supplement.

Modification and Exchange: Beneficial Owners of certain Classes of REMIC Securities will be entitled, upon notice and payment of an exchange fee, to exchange all or a portion of such Classes for a proportionate interest in the related MX Class as shown on Exhibit C to this Supplement. Similarly, Beneficial Owners of MX Classes will be entitled, upon like notice and payment of an cxchange fee, to exchange all ur a portion of such Classes for proportionate interests in the related Classes of REMIC Securities. Each MX Secunty will reprcsent a proportionate beneficial ownership interest in, and will entitlc the Holder thereof to receive a proportionate share of the distributions on, the related Classes of REMIC Securities. See "Description of Securities-Modification and Exchange" in the Base Offeritg Circular. Exhibit C to this Supplement sets forth the available combinations of the Classes of REMIC Securities and the related MX Classes.

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

Interest Rates: The Interest Rates for the Fixed Rate Classes are shown on the cover page of this Supplement or on Exhibit $C$ to this Supplement.

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

| Clasx | lnterest <br> Rate Furmulal! | Initial lnterest Rate[1](2] | $\begin{gathered} \text { Minimum } \\ \text { Rate } \end{gathered}$ | Maximum Ratc | $\begin{gathered} \text { Delay } \\ (\text { (in days) } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| FA | LIBOR + $1.05 \%$ | 6.94\% | 1.05\% | 9.00\% | 0 |
| FN | LIROR + 0.75\% | 6.64\% | 0.75\% | 8.50\% | 0 |
| SA | 63.5999805\% - \{LIBOR $\times 7.999997\}$ | 16.48\% | 0.00\% | 63.5999805\% | 0 |
| SN | 7.75\% - LIBOR | 1.86\% | 0.00\% | $7.76 \%$ | 0 |

$\{1\}$ LDOOR will be establishad on the bsajs of the BBA LIBOR method, as described under "Descripuinn of the SocuriticsIncerest Distritutions-Floacing Rate and Inveraç Flnatily Rals Classes" herein.

〔2 The injtial Interset Ratc will hs in effect dufing the first Accual Period; the Interest Rite will adpust monthly themaiter.

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

A certain percentage of the Group 1 Principal Distribution Amount (as defined below) may 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 HZ and Z Accrual Amourts (as defined beluw) will be allocated as follows:


The Group 2 Principal Distribution Amount (as defined below] will be allocated as follows:

```
Security \(\{\) I.To FN, until reduced to a principal balance of \(\$ 35,765,596\)
Goup 2 2.To CB and FN, pro rata, based on their then outstanding principal balances, until retired
```

As to any Distribution Date, the "Group 1 Principal Distribution Amount" and "Group 2 Principal Distribution Amount" mean that portion of the Principal Distribution Amount for such date attributable to the Group 1 and Group 2 Trust Assets, respectively. As to any Distribution Date, the "HZ Accrual Amount" and "Z Accrual Amount" mean the Accrual Amount on such date for the related Accrual Class and, together, are defined as the "Group 1 Accrual Amounts".

Accrual Classes; Classes HZ and $Z$ are Accrual Classes. Interest will accrue on each Accrual Class at the per annum rate set forth on the cover page of this Supplement. However, no interest will be distributed thereon. Interest so accnued 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".

MX Classes: On any Distribution Datc when distributions of principal arc to be allucated from REMIC Securities to MX Securities, such distributinns will be allocated from the applicable Classes of REMIC Securities to the related MX Classes.

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 Balance indicated:

| Class | Original Class Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| IA | S 3,795,903 | 3.3333333333\% of PA\|AD/PAC Class] |
| IC | 583,068 | 0.4101214526\% of FN/SC/SEQ Class] |
| SN | 142,169,593 | 100.00\% of FN [SC/SEQ Class] |

Structuring Range: The PAC Classes were structured using, among other things, the following Structuring Range:
PA, PC and PD $\frac{\text { Classes }}{\text { (in the aggregate }}$..... $\quad 100 \%$ PSA through $250 \%$ PSA

The Effcctive Range for a Class may differ from its Structuring Range. The initial Effective Range for the PAC Classes is set forth under "Risk Factors-Class Investment Considerations-PAC Classes" in this Supplement.

Scheduled Principal Balances: The Agregate Scheduled Principal Balances for the PAC Classes are included in Schedule I to this Supplement.
Weighted Average Lives (in years)*:

| Class | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 138\% | 250\% | 350\% |
| Security Group 1 |  |  |  |  |  |
| FA, HDt, K and SA. | 25.2 | 17.5 | 15.0 | 4.3 | 2.6 |
| HA | 22.3 | 11.5 | 3.0 | 1.1 | 0.8 |
| HB | 23.9 | 14.7 | 10.0 | 2.2 | 1.6 |
| HJ | 24.5 | 16.0 | 13.2 | 2.9 | 2.0 |
| HK | 24.9 | 16.9 | 14.4 | 3.6 | 2.3 |
| HL | 25.6 | 18.4 | 16.1 | 5.3 | 2.9 |
| HM. | 4.9 | 4.9 | 4.9 | 3.2 | 2.2 |
| HN | 11.4 | 11.4 | 11.4 | 4.3 | 2.7 |
| HP | 15.7 | 15.7 | 14.7 | 5.0 | 3.0 |
| HZ | 25.6 | 18.4 | 16.4 | 6.6 | 3.4 |
| PA and LA ${ }^{\text {- }}$ | 12.9 | 4.0 | 4.0 | 4.0 | 3.5 |
| PC | 19.6 | 8.0 | 8.0 | 8.0 | 6.0 |
| PD | 21.2 | 10.2 | 10.2 | 10.2 | 7.5 |
| VA | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| VB. | 10.4 | 10.4 | 10.4 | 10.1 | 8.8 |
| Z | 28.2 | 24.3 | 22.6 | 17.6 | 14.1 |

PSA Prepayment Assumplion Rater
$\begin{array}{llllll}\mathbf{0} \% & 100 \% & 180 \% & 300 \% & 400 \%\end{array}$
Security Group 2

CB .................................................... $28.2 \quad 23.1 \quad 17.6 \quad 12.0 \quad 9.2$

- Determinel as described under "Ficld, Marurity ind Piepayment Considerations" in this Supplement. Prepayments will not ocaur at any assurned rate shown or at any other constant rates, and the accual Weighted Avcrage Lives of any or inll uf the Classes are likely t d difer fram those showin, pertiops signatimancly.
** The nufurmation shown for sach Notional Class is for illuscrative purpases ondy. $\dagger$ MX Class.

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

Regular and Residual Classes: Class RR is a Residual Class and includes the Residual Interests of the Issuing REMIC and the Fooling REMIC.
Suitability: The Securities of any Class may not be suitable investments for all investors. The Sponsor intends to make a market for the Securities but is not obligated to do so. There can be no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable thenn to realize their anticipated yield. The market values of the Securities are bikely to fluctuate. The fluctuations may be significant and could result in significant losses to investors. No investor should purchase Securitics of any Class unless the investor understands and is able to bear [i] the prepayment and yicld risks associated with that Class and [ii] the risk that the value of such Securities will fluctuate over time and that such Securities may not be readily salable. Each investor is urged to consult with its investment advisor regarding whether the Secunities are an appropriate investment for such investor.

# Guaranteed REMIC Pass-Through Certificates Fannie Mae REMIC Trust 2000-8 

## The Certificates

We, the Federal National Mortgage Association ("Fannie Mae"), will issue the classes of certificates listed in the chart on this page.

## Payments to Certificateholders

We will make monthly payments on the certificates. You, the investor, will receive

- interest accrued on the balance of your certificate (except in the case of the accrual class), and
- principal to the extent available for payment on your class.

We may pay principal at rates that vary from time to time. We may not pay principal to certain classes for long periods of time.

## The Fannie Mae Guaranty

We will guarantee that required payments of principal and interest on the certificates are distributed to investors on time.

## The Trust and its Assets

The trust will indirectly own

- Ginnie Mae certificates and
- underlying REMIC certificates backed directly or indirectly by Fannie Mae MBS.

The mortgage loans underlying the Fannie Mae MBS and the Ginnie Mae certificates are first lien, single-family, fixed-rate loans.

In addition, the mortgage loans underlying the Ginnie Mae certificates are either insured or guaranteed by the Federal Housing Administration, the Department of Veterans Affairs or the Rural Housing Service.

| Class | Group | Original Class Balance | Principal Type | $\underset{\substack{\text { Interest } \\ \text { Rate }}}{ }$ | Interest Type | $\begin{gathered} \hline \hline \text { NUSIP } \\ \text { Number } \end{gathered}$ | Final Distribution Date |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PA | 1 | \$ 77,024,000 | PAC | 7.3\% | FIX | 31359XYC7 | January 2025 |
| PI | 1 | 2,053,973(1) | NTL | 7.5 | FIX/IO | 31359XYD5 | January 2025 |
| PO | 1 | 4,535,437 | SUP | (2) | PO | 31359XYE3 | February 2030 |
| FA | 1 | 44,556,944 | SUP | (3) | FLT | 31359 XYF 0 | February 2030 |
| SA | 1 | 5,569,619 | SUP | (3) | INV | 31359XYG8 | February 2030 |
| F(4) | 1 | 5,968,333 | TAC | (3) | FLT | 31359XYH6 | February 2030 |
| SI | 1 | 5,968,333(1) | NTL | (3) | INV/IO | 31359 XYJ2 | February 2030 |
| Z | 1 | 7,000,000 | SEG (SCH)/SEQ | 7.5 | FIX/Z | 31359XYK9 | February 2030 |
| FB(4) | 1 | 17,631,052 | SEG (SCH)/SEQ | (3) | FLT | 31359 XYL7 | July 2025 |
| SB(4) | 1 | 3,452,749 | SEG(SCH)/SEQ | (3) | INV | $31359 \mathrm{XYM5}$ | July 2025 |
| ST(4) | 1 | 1,248,866 | SEG (SCH) /SEQ | (3) | INV | 31359XYN3 | July 2025 |
| FC(4) | 1 | 27,510,833 | SEG (SCH)/SEQ | (3) | FLT | 31359 XY P8 | June 2023 |
| PS(4) | 1 | 5,502,167 | SEG (SCH) /SEQ | (3) | INV | 31359XYQ6 | June 2023 |
| AO | 2 | 10,950,398 | SC/PT | (2) | PO | 31359XYR4 | May 2029 |
| CO | 3 | 38,291,657 | SC/PT | (2) | PO | 31359XYS2 | March 2024 |
| FJ(4) | 4 | 42,230,266(1) | NTL | (3) | FLT/IO | 31359XYT0 | March 2029 |
| SJ(4) | 4 | 42,230,266(1) | NTL | (3) | INV/IO | 31359XYU7 | March 2029 |
| DO | 5 | 27,738,195 | SC/PT | (2) | PO | 31359XYV5 | October 2027 |
| R |  | 0 | NPR | 0 | NPR | 31359XYW3 | February 2030 |
| RL |  | 0 | NPR | 0 | NPR | $31359 \mathrm{XYX1}$ | February 2030 |

(1) Notional balances. These classes are interest only classes
(3) Based on LIBOR.
(2) Principal only classes.
(4) Exchangeable classes.

If you own certificates of certain classes, you can exchange them for the corresponding RCR certificates to be issued at the time of the exchange. The S, B, PF, C and CI Classes are the RCR classes, as further described in this prospectus supplement.

The dealer will offer the certificates from time to time in negotiated transactions at varying prices. We expect the settlement date to be February 28, 2000.

Carefully consider the risk factors starting on page $\mathrm{S}-9$ of this prospectus supplement and on page 10 of the REMIC prospectus. Unless you understand and are able to tolerate these risks, you should not invest in the certificates.
You should read the REMIC prospectus as well as this prospectus supplement.
The certificates, together with interest thereon, are not guaranteed by the United States and do not constitute a debt or obligation of the United States or any of its agencies or instrumentalities other than Fannie Mae.

The certificates are exempt from registration under the Securities Act of 1933 and are "exempted securities" under the Securities Exchange Act of 1934.

## REFERENCE SHEET

This reference sheet is not a summary of the transaction and does not contain complete information about the certificates. You should purchase the certificates only after reading this prospectus supplement and each of the additional disclosure documents listed on page S-3.

## Assets Underlying Each Group of Classes

| Group | Assets |
| :---: | :--- |
| 1 |  |
| 2 | Group 1 Ginnie Mae Certificates |
|  | Class 1998-24-PO REMIC Certificate |
|  | Class 1999-5-PO REMIC Certificate |
| 3 | Class 1999-22-P REMIC Certificate |
|  | Class 1994-36-T REMIC Certificate |
|  | Class 1994-51-T REMIC Certificate |
|  | Class 1994-56-P REMIC Certificate |
|  | Class 1997-76-P REMIC Certificate |
|  | Class 1998-34-PO REMIC Certificate |
| 4 | Class 1998-10-AI REMIC Certificate |
|  | Class 1998-49-TI REMIC Certificate |
|  | Class 1998-50-CI REMIC Certificate |
|  | Class 1998-50-CJ REMIC Certificate |
|  | Class 1998-52-MI REMIC Certificate |
|  | Class 1998-60-MI REMIC Certificate |
|  | Class 1998-62-EI REMIC Certificate |
|  | Class 1998-72-PI REMIC Certificate |
|  | Class 1999-5-IO REMIC Certificate |
|  | Class 1999-6-AI REMIC Certificate |
| 5 | Class 1992-40-E REMIC Certificate |
|  | Class 1993-161-H REMIC Certificate |
|  | Class 1993-216-E REMIC Certificate |

Assumed Characteristics of the Mortgage Loans Underlying the Group 1 Ginnie Mae Certificates (as of February 1, 2000)

|  | Approximate Balance | $\begin{gathered} \text { Original } \\ \text { Term to } \\ \text { Maturity } \\ \text { (in months) } \end{gathered}$ | Approximate Weighted Average Remaining Term to Maturity or WARM (in months) | Approximate Calculated Loan Age (in months) | Approximate Weighted Average Coupon |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Group 1 Ginnie Mae Certificates | \$200,000,000 | 360 | 357 | 2 | 8.25\% |

The actual remaining terms to maturity, calculated loan ages and interest rates of most of the mortgage loans will differ from the weighted averages shown above, perhaps significantly.

## Characteristics of the Underlying REMIC Certificates

Exhibit A describes the underlying REMIC certificates, including certain information about the related mortgage loans. To learn more about the underlying REMIC certificates, you should obtain the current class factors and disclosure documents for the underlying REMIC certificates from us as described on page S-3 of this prospectus supplement.

## Class Factors

The class factors are numbers that, when multiplied by the initial principal balance of a certificate, can be used to calculate the current principal balance of that certificate (after taking into account principal payments in the same month). We publish the class factors on or shortly after the 11th day of each month.

## Settlement Date

We expect to issue the certificates on February 28, 2000.

## Distribution Dates

We will make payments on the Group 1 Classes on the first business day following the 20th day of each calendar month, or if the 19th and 20th days are both business days, on the 20th day. We will make payments on the Group 2, Group 3, Group 4 and Group 5 Classes on the 25th day of each calendar month, or on the next business day if the 25 th day is not a business day.

## Book-Entry and Physical Certificates

We will issue the book-entry certificates through DTC and the U.S. Federal Reserve Banks, as applicable, which will electronically track ownership of the certificates and payments on them. We will issue physical certificates in registered, certificated form.

We will issue the classes of certificates in the following forms:

## DTC Book-Entry

All Group 1 Classes and the related RCR Classes

Fed Book-Entry
All Group 2, 3, 4 and 5 Classes and the related RCR Class

## Physical

R and RL Classes

## Exchanging Certificates Through Combination and Recombination

If you own certain certificates, you will be able to exchange them for a proportionate interest in the related RCR certificates as shown on Schedule 1. We will issue the RCR certificates upon such exchange. You can exchange your certificates by notifying us and paying an exchange fee. We use the principal and interest of the certificates exchanged to pay principal and interest on the related RCR certificates. Schedule 1 lists the available combinations of the certificates eligible for exchange and the related RCR certificates.

## Interest Payments

During each interest accrual period, the fixed rate classes will bear interest at the applicable annual interest rates listed on the cover of this prospectus supplement.

During the initial interest accrual period, the floating rate and inverse floating rate classes will bear interest at the initial interest rates listed below. During subsequent interest accrual periods, the
floating rate and inverse floating rate classes will bear interest based on the formulas indicated below, but always subject to the specified maximum and minimum interest rates:

| Class | Initial Interest Rate | $\begin{aligned} & \text { Maximum } \\ & \text { Interest } \\ & \text { Rate } \end{aligned}$ | $\begin{aligned} & \text { Minimum } \\ & \text { Interest } \\ & \text { Rate } \end{aligned}$ | Formula for Calculation of Interest Rate (1) |
| :---: | :---: | :---: | :---: | :---: |
| FA | 6.92125\% | 9.00000\% | 1.10\% | LIBOR + 110 basis points |
| SA | 16.63000\% | 63.20000\% | 0.00\% | 63.2\% - ( $8 \times$ LIBOR $)$ |
| F | 6.47125\% | 9.00000\% | 0.65\% | LIBOR +65 basis points |
| SI | 2.52875\% | 8.35000\% | 0.00\% | 8.35\% - LIBOR |
| FB | 6.47125\% | 9.50000\% | 0.65\% | LIBOR +65 basis points |
| SB | 11.12552\% | 40.85106\% | 0.00\% | $40.85106 \%$ - (5.106383 $\times$ LIBOR $)$ |
| ST | 12.00000\% | 12.00000\% | 0.00\% | $124.94117 \%-(14.117647 \times$ LIBOR $)$ |
| FC | 6.47125\% | 9.00000\% | 0.65\% | LIBOR +65 basis points |
| PS | 12.64375\% | 41.75000\% | 0.00\% | 41.75\% - ( $5 \times$ LIBOR $)$ |
| S | 11.35781\% | 33.18750\% | 0.00\% | $33.1875 \%-(3.75 \times$ LIBOR $)$ |
| PF | 6.47125\% | 9.00000\% | 0.65\% | LIBOR +65 basis points |
| FJ | $5.88000 \%$ | 7.00000\% | 0.00\% | LIBOR |
| SJ | 1.12000\% | $7.00000 \%$ | 0.00\% | 7\% - LIBOR |

(1) We will establish LIBOR on the basis of the "BBA Method."

We will apply interest payments from exchanged certificates to the corresponding RCR certificates, on a pro rata basis, following any exchange.

## Notional Classes

A notional class will not receive any principal. Its notional principal balance is the balance used to calculate accrued interest. The notional principal balances will equal the percentages of the outstanding balances specified below immediately before the related distribution date:

| Class |  |
| :---: | :---: |
| PI | $2.6666666667 \%$ of the PA Class |
| SI | 100\% of the F Class |
| FJ | $92.8571428571 \%$ of the Group 4 Underlying REMIC Certificates |
| SJ | $92.8571428571 \%$ of the Group 4 Underlying REMIC Certificates |
| CI | $92.8571428571 \%$ of the Group 4 Underlying REMIC Certificates |

## Distributions of Principal

Group 1 Principal Distribution Amount

## Z Accrual Amount

1. To the FC and PS Classes, pro rata, to zero.
2. To the FB, SB and ST Classes, pro rata, to zero.
3. Thereafter to the Z Class.

## Group 1 Cash Flow Distribution Amount

1. To the PA Class to its Planned Balance.
2. To the Segment Group I to its Planned Balance.
3. (a) $6.2499993110 \%$ of the remaining amount to the PO Class to zero, and
(b) $93.7500006890 \%$ of such remaining amount as follows:
first, to the Segment Group II and the F Class, pro rata, to their Targeted Balances, second, to the FA and SA Classes, pro rata, to zero, and third, to the Segment Group II and the F Class, pro rata, to zero.
4. To the PA Class to zero.
5. To the Segment Group I to zero.

For a description of the Segment Groups, see "Description of the Certificates-Distributions of Principal" in this prospectus supplement.

Group 2 Principal Distribution Amount
To the AO Class to zero.

Group 3 Principal Distribution Amount
To the CO Class to zero.

Group 5 Principal Distribution Amount
To the DO Class to zero.
We will apply principal payments from exchanged certificates to the corresponding RCR certificates, on a pro rata basis, following any exchange.

## Weighted Average Lives (years)*

| Group 1 Classes | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 140\% | 300\% | 500\% |
| PA and PI | 13.3 | 4.0 | 4.0 | 4.0 | 3.1 |
| PO | 27.9 | 19.7 | 14.4 | 3.1 | 1.8 |
| FA and SA | 28.5 | 22.2 | 18.2 | 2.9 | 1.5 |
| F and SI | 26.1 | 12.8 | 3.6 | 3.6 | 2.4 |
| Z | 24.9 | 16.6 | 16.5 | 16.5 | 11.1 |
| FB, SB, ST, S and B | 22.2 | 11.9 | 10.6 | 10.6 | 7.1 |
| FC, PS and C | 14.7 | 8.2 | 5.9 | 5.9 | 4.0 |
| PF | 16.7 | 9.0 | 5.5 | 5.5 | 3.7 |
|  | PSA Prepayment Assumption |  |  |  |  |
| Group 2 Class | 0\% | 100\% | 135\% | 300\% | 500\% |
| AO | 27.8 | 23.5 | 21.0 | 1.1 | 0.5 |
|  | PSA Prepayment Assumption |  |  |  |  |
| Group 3 Class | 0\% | 100\% | 140\% | 300\% | 500\% |
| CO | 23.0 | 18.7 | 16.7 | 4.4 | 1.0 |
|  | PSA Prepayment Assumption |  |  |  |  |
| Group 4 Classes | 0\% | 100\% | 135\% | 300\% | 500\% |
| FJ, SJ and CI | 22.6 | 7.9 | 4.6 | 1.9 | 1.1 |
|  | PSA Prepayment Assumption |  |  |  |  |
| Group 5 Class | 0\% | 100\% | 175\% | 300\% | 500\% |
| DO | 21.5 | 16.3 | 13.6 | 9.7 | 6.0 |

[^13]
## Offering Circular Supplement (To Base Offering Circular dated September 1, 1999)

\$637,030,000

# Government National Mortgage Association 

 GINNIE MAE ${ }^{*}$

Guaranteed REMIC Pass-Through Securities and MX Securities Ginnic Mae REMIC Trust 2000-11







 secuitios and MX Sciurites.


 Hese Offerine Curcuiar.
 gave S. 16 of this Supplement.


 SECLRLTIES EXCHANGE ACT OF 19.A.





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 Securi: Giroup 2.




Grfenwich Capital
Ormes Capital. Markets, Inc.
The date of this Offering Circular Supplement is Febroary 22. 2000.

## GINNIE MAE REMIC TRUST 2000-11 TERMS SILEEI

This cerms sheet iche "Terms Shere" contans sclected infurmation for quick reference only. | Prospective investors should read Lhis Supplement, particularly "Risk Factors-Class Investment Considerations," and the Base O[fering Circu]ar in turther intormation.

Sponsor: Greenwich Capital Markets, Inc.
Trustee: State Strest Bank and Trust Company
Tax Adotinistrator: The I'rustee
Closing Date: February 28. 2000
Distrihution Dates: For the Group 1 Securities, the lGth day of each month or, if the 16 th day is not a Business Day, the inss Businass Day thereafter, commencing in March 2000 . For the Group 2 and Grunp 3 Securities, the 20th day of each month or it the 19 hh day or 20th day is not a Business Day, the first Busjuess Day following the 2 mh day, enommencing in March 2000.

Trust Assets:

| Trust Asset Group | Trust Asset Typu | Certificalte Rite | Original Term 'loc Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Ginnie Macl | 8.5\% | 30 |
| 2 | Giminic Mac II | 7.5\% | 30 |
| 3 | Ginme Mac II | 7.5\% | 30 |

## Security Groups:

 Classes S and SB ;MX Securities'.
 Securities': Chass SA ImX Secupilies!

Assumed Mortgage Loan Characteristics of the Mortgage Loans Underlying the Trust Assets las of February 1, 2000 ):

| Principal Balanes | Weighted Awerage Rembinial Teris $n$ Mazturity (in months) | $\begin{aligned} & \text { Wcighted Average } \\ & \text { Loan Ane } \\ & \text { (iin nountis! } \end{aligned}$ | Weighted Aserage Mortyage kawe |
| :---: | :---: | :---: | :---: |
| Group 1 Trust Assets $\$ 300,000,000$ | 328 | 30 | $9.00 \%$ |
| Group 2 Trust Assets $\$ 300,000,000$ | 357 | 2 | 8.25\% |
| Group 3 Trust Assets $\$ 37.030,000$ | 356 | 4 | 8.25\% |


 pes ifurnjal.

The atcual remaining terms to maturity, loan ages and, jin the case of the Grould 2 ind Groupl 3 Trusl Assets, Morgage Rates of many of the Mortyaye Loans will ditier from the weighted ayerages shown aboye, perhups significantly. Sce "The Trust Ascotb-lhe Mortgge l.oans" in this Supplement.




-NX Class

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

## SECURTTY GROUP 1

A percentage of the Group 1 Principal Distribution Amount jas defined belowi may be applied to the Trustee Fee, and the remainder of the Group I Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount" $\mid$ and the CZ Accrual Amount and Z Accrual Aroount [each as defined below) will be allocated as follows:

- The CZ Accrual Ampunt in the following ordet of priority:
$\substack{\text { Acreretion } \\ \text { Dirpected } \\ \text { and } \\ \text { Accrual }}$$\left\{\begin{array}{l}\text { 1. ToFA2 and PO, pro rata, until retired } \\ \text { 2. To CZ }\end{array}\right.$
- The Group 1 Adjusted Principal Distribution Amount and the Z Accrual Amount in the following order of priority:

| PAC | 1. To the PAC Classes and Component, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date, as follows: <br> a. Concurrently, [i] $33.3333333333 \%$ to FAl , $\{\mathrm{i} \mid \mathbf{2 8} .5714282842 \%$ to PA and (iii) $38.0952383825 \%$ to PF , until FAl and PA are retired <br> b. Concurrently, $[i] 33.3333333333 \%$ to PB and (iil $66.6666666667 \%$ to PF, until retired |
| :---: | :---: |
| TAC | 2. To FA2 and PO, pro rata, until seduced to their Aggregate Scheduled Principal Balance for that Distribution Date |
| Suppor | 3. To CZ, until retired |
| TAC | 4. To FA2 and PO, pro rata, without regard to their Aggregate Scheduled Prmeipal Balance, until retired |
| PAC | 5. To the PAC Classes and Component, without regard to their Aggegate Scheduled Principal Balance, until retired, as follows: <br> a. Concurrently, $\lfloor\mathrm{i}] \quad 33.3333333333 \%$ to $\mathrm{FAl},\|\mathrm{ii}\|^{\prime} 28.5714282842 \%$ to PA and (iii) $38.0952383825 \%$ to PF , until FAl and PA are retired <br> b. Concurrently, \|i] $33.3333333333 \%$ to PB and (ii) $66.6666666667 \%$ to PF , until retired |
| $\begin{aligned} & \text { Sequential } \\ & \text { Pay } \end{aligned}$ | 6. Tu 2, until metired |

## SECURITY GROUP 2

A purcentige of the Gioun 2 Principial bistribution Amount fas detined below may be applied to the Trustee
 Distriluntion Amount"! and the ZA Accruat Amount: ZB Accrual Amount and ZC Accmal Amount ;each as detined belowi wall be allocatec as follows:

- The ZB Accrual Amount and the ZC Accrual Amount in the followinge order of priwity:

| Accretion Directed | 1. To F and OP, pro ritto, until retired |
| :---: | :---: |
| and | 2. To ZB , until retired, and then to ZC |

- The ZA Accrual Anount in the following order oi pronty 'after the ZB Accrual Amount and ZC Accfual Amount have been disuributedi:

1. To the scheduled Classes, untut reduecd to theur Aggregate Scheduled Principal Balance for Actrution |hat Distribution Date as iollows:

Eirceted
and
Acc:rual
$a_{a}^{\prime}$ To $F$ and $O P$, pro rata, uncil retured
bi To ZB and ZC , in that order, uncil retured
2. To ZA

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

1. Beyinning in Novenber 2000, to PC. PD. PE and PH, in that order, untif reduced on their Aggregate Scheduled Principal Balance for that Discribucion Date
2. Fo the Scheduted Classes, until redued to them Agyregate Seherouled Prinergal Balance for
scheelulud . that Distribution Datce as follow's: fal l ' F and OP. pro rata, antil retired
|b) To ZB :nd ZC : in thac order until retired

Simpart

- 3. To ZA, unlil retired

4. To the Scheduled Classes, without regard to their Aggregate Scheduled Princtpal Ralance, as follows:
$|a| T o F$ and $O P$, pro sata, uncil retired
'b! To ZB and ZC : in that order, uncil retired

PaC
5. To PC, PD, PE and PH, in that order: without regard to their Aggregate Scheduled Principal Balance, uncil retired

## SECURITY GROUP 3

A percentage of che Group a Principal Distribution Ameunt (as defined heloup may be applied to the Trestee Fee, and the remainder oi the Group 3 Erincipal Distribution Amumnt ịthe "Group 3 Adiusted Principal Discribution Amount"! and che ZD Accrual Amount tas definced below'; will be allocated as follows:

| AELrerian Birected astld Accruald |
| :---: |
|  |  |
|  |  |
|  |  |

- The ZD Accrath Amount w C , hintel retired, and then to ZD aceruald

Seyuratial ity

- The Group 3 Adinsted Principal Discribution Amount $c o \mathrm{~A}, \mathrm{C}$ and ZD, in that order, until retired

As to any Distributaon Dale, the "Grong 1 Principal Distribution Amount," "Group 2 Principal Pistribution Amomme" and "Group 3 Primejpal Distrobution Amount" mean that portion of che Principal Distrifution Ambum lor such date atributable to the Grum 1, Group 2 and Group 3 Trust Assets, respectively. As to
 "7li Accrual Amount," "ZCC Accrial Amount" and " $\angle \mathrm{D}$ Accrtasl Anount" mean the Accriall Amount on such tate for the redated Accratal Class.

Accrual Classes: Classes $C Z, Z, Z A, Z B, Z C$ and $Z D$ are Accrual Classes. Interest will accure on each Accrual Class at the per atmum rate set (orth on the eover page of thas Supplamenc. However, no juterest will be distributed chereon as menerest. Interest so accrued on cach Accrual Class on each Distaibution Dite will constituce an Acerual Amount, whech will be added to the Class Princtpal Balance of chat Class on each Distribution Dete and will he distributable as prineipal as set forth in this Terms Sheer under "Allociation of Pruc!pal.'

MX Classes: On any Distribution Dace when distributions of priniipal arc to be allocated from REMIC Secorities to MX Seruritics, such distributions for, in the ease of Combination 4, the net reduction m principall will be allocated from the applicable Classes of REMIC Sccurities to the related MX Class.

Notinnal Classes: The Nutional Clasbes will not reseive distributions of principal but have Class Notional Balances for corvenjence in describing their entitlements tor interest. The Chass . Notional bafance of cach Nocional Class represents the percentage indicated below of, and reduces to that ustent with, the Ciass . Principal Bulances indicated:

| Cluss | Origitial Class Niciunil Balance | Represents atproximately |
| :---: | :---: | :---: |
| PI | \$ 2,472, (k) 0 | $2.4 \%$ of PC : PAC Class: |
| SRt, SE and SF. | $549,733,800$ | 100\% of lisl 'PMC/AD Component |
|  | 58,051,606 | $58.823528934 y \%$ UF FA2 ;TACAD Component |
|  | 80,042,629 | 100\% of PF 'PAC/AD Classi |
|  | \$187,828,095 |  |
| SC | \$ 80), 042,629 | 100\% of P1 'PAC/AD Class; |
| 5 D | \$ 5, 605167 | 10 \% oi PO TAC/AD Clast |
| Sc | \$ $12,24 \% 167$ | 100\% of OP ISCliAD Class: |

Component Class: For purpuses of cilculatish distrihutions of principal, Class FA is comprised of two components having the designations and characternstics set torch below. Components are noe separately transterable irom the related Class oi Securities.

| Class | Cumpuneats | Principal Type | Uriginal Priaxipil Ealance |
| :---: | :---: | :---: | :---: |
| FA | FAi | PACHAD | \$49,733.800 |
|  | FA) | TACIAD | \$98,687.833 |

Structuring Ranges and Rate: The PAC Classes and Component art Scheduled Classes were structured using. among other thinge, the following Structuring Ranges, and the TAc. Class and Component were structured using, amony ocher things, the following Struaturing Rete:

| Class or Component | Rauges and Rase |
| :---: | :---: |
| PAC |  |
| l'Al, PA, PR and PF in the :ggregate. | 100\% PSA through 300\% PSA |
| $\mathrm{PC}, \mathrm{PD}, \mathrm{PE}$ and Pl \|in the ilggregatel. | 95\% PSA through $250 \%$ PSA |
| Scheduled lin the aggregatel | 130\% DSA through ! 40\% PSA |
| 'rac', iv the augregatel. | 200\% TSA |

The Efrective Range or Rate tor a Cl]ass pusy difler tromits Scrucuring Range or Rate. The initial Effoctive Ranges or Rale jar the PAC, Scheduled and TAC: Clesses and Componcnts are sec torch urder "Risk Faclon-Glass Investment Considematoms-PAC, schedsed and TAC Classes and Components" in this Supplement.
Scheduled Principal Balances: The Scheduled Irincipal Balanecs for the lidC Classes and Componint in the agregate, Scheduled Classes in the aspregate and TAC Class and Component in the aggregate ;he: "Aggregate Scheduled Principal Balances"", are meluded in Scheduke I to this Supplement.
Weighted Average Lives ;in years) *:

|  | PSA Yrepayment Assumptivn Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0w | 100\% | 195\% | 300\% | 400\% |
| Security Group 1 |  |  |  |  |  |
| C2 | 26.7 | 20.6 | 15.\% | 0.1 | 0.1 |
| FA | 10.8 | 14.6 | 5.1 | 2.8 | 1.9 |
| PA. | 13.5 | 4.0 | 4.0 | 4.0 | 3.3 |
| PB | 21.9 | 20.6 | 10.6 | 10.6 | 8.2 |
| PF and SC** | 15.9 | 5.9 | 5.9 | 5.9 | 4.7 |
| PO, $\mathrm{SD}^{*}$ and $\mathrm{S}+$ | 21.4 | 13.9 | 5.7 | 2.2 | 1.2 |
|  | 17.0 | 7.9 | 5.3 | 4.2 | 3.2 |
| Z | 23.9 | 24.2 | 20.8 | 16.8 | 13.6 |


Security Group 2



|  |  |
| :---: | :---: |



| PH |  |  | 25.3 |  | 18.4 | . 4 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

ZA......................................................... 28.9 24.4 $\quad 3.8 \quad 10.7 \quad 0.5$
ZB........................................................ 21.3 16.6 1.5.7 $5.0 \quad 3.2$


|  | PSA Prepaymient Assumplion Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 75\% | 135\% | 22.5\% | 3508 |
| Security Group 3 |  |  |  |  |  |
| A | 17.6 | 8.3 | 5.6 | 3.8 | 2.7 |
| $B_{i}$ | 28.: | 23.3 | 18.8 | 13.6 | 9.4 |
| C | 7.0 | 7.0 | 7.0 | 6.3 | 5.1 |
| Z L | 28.: | 23.3 | 18.8 | 24.7 | 10.9 |

[^14]Tax Status: Duoble REMIC Scrivs. Sec "Certain Futeral lncome Tax Consequances" in this Supplenent and in the Base Offering Circular.
Regular and Residual Classes: Class KR is a Residual Class and meludes the Residual literests of the Issuing REMIC and the Ponling REMIC; all other Classes of REMIC. Securities are Regular Ciasses.
Suitability: The Securitics of any Class may mot be suitable juvesements for all meestors. The sponsor intends to make a markct for the Securities but is noc obligated co do so. There can he no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sull their Scruritics readily or at prices that wall enable them co readize lyeir anticjpated yield. The market valucs of the Sceuricics are likely to fluctuate. The thactuations mey be significint and could result in sirnificant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear $\{i]$ the prepayment and yield risks associated with that Class and $\{i j i\}$ risk that the walue of such Securities will fluctuate over time and that such Securities may mat be readily salable. Each investor is urged to consult with its investment advisor rogarding whecher che Securitjes are an appropriate investment for such investor.

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

Guaranteed REMIC Pass-Through Securities<br>and MX Securities<br>Ginnie Mae REMIC Trust 2000-18

Ginnie Mae REMIC Trust 2000-18 Guaranteed REMIC Pass-Through Securities (the "Securities") represent interests in Ginnie Mae REMIC Trust 2000-18 (the "Trust"). The assets of the Trust (the "Trust Assets") consist primarily of Ginnie Mae Certificates guaranteed pursuant to Ginnie Mae programs for first lien, single-family, fixed rate, residential mortgage loans (the "Trust MBS").

Guaranteed REMIC Pass-Through Securities ("REMIC Securities") specified herein may, upon notice and payment of an exchange fee, be exchanged for a Class (the "MX Class") of Modifiable and Exchangeable Securities ("MX Securities") as described under "Description of the Securities-Modification and Exchange" in the Base Offering Circular. In addition, as described therein, the Class of MX Securities is exchangeable for the specified REMIC Classes. Unless the context requires otherwise, the term "Securities" includes REMIC Securities and MX Securities and the term "Classes" includes Classes of REMIC Securities and MX Securities.

The Classes listed in the table below and the MX Class are offered pursuant to this Offering Circular Supplement and the Base Offering Circular. Unless indicated otherwise, capitalized terms used herein shall have the meanings assigned to them in the glossary attached as Appendix II to the Base Offering Circular.

For a discussion of certain material risks in connection with the purchase of the Securities, see "Risk FactorsClass Investment Considerations'" on page S-11 of this Supplement.

GINNIE MAE GUARANTEES 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 SECURITIES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT OF 1933 AND CONSTITUTE EXEMPTED SECURITIES UNDER THE SECURITIES EXCHANGE ACT OF 1934.
(Cover continued on next page)

| Class of REMIC Securities | Original <br> Principal <br> Balance (2) | Interest Rate | Principal <br> Type (3) | Interest <br> Type (3) | Final Distribution Date $(4)$ | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| F (1) | \$26,999,117 | (5) | TAC/AD | FLT | June 2018 | 3837H35V5 |
| PA. | 58,751,000 | 7.50\% | PAC | FIX | May 2026 | 3837H35W3 |
| PB | 35,800,000 | 7.50 | PAC | FIX | June 2029 | 3837H35 X 1 |
| PC | 10,249,000 | 7.50 | PAC | FIX | February 2030 | 3837H3 5 Y 9 |
| S (1) | 3,599,883 | (5) | TAC/AD | INV | June 2018 | 3837H35Z6 |
| Z | 3,101,000 | 7.50 | SUP | FIX/Z | June 2018 | 3837H36A0 |
| ZA | 11,500,000 | 7.50 | SUP | FIX/Z | February 2030 | 3837H36 B 8 |
| R | 0 | 0.00 | NPR | NPR | February 2030 | 3837H36C6 |

(1) Denotes a Class which is exchangeable for the MX Class. See Exhibit A to this Supplement for a description of the MX Class.
(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) The Floating Rate and Inverse Floating Rate Classes will bear interest as described under "Terms Sheet-Interest Rates" in this Supplement.

The Securities are being offered by Banc of America Securities LLC (the "Sponsor") and Blaylock \& Partners, L.P. (the "Co-Sponsor") from time to time in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from February 1, 2000 on the Fixed Rate Classes and from February 20, 2000 on the Floating Rate and Inverse Floating Rate Classes.

The Securities are offered subject to receipt and acceptance by the Sponsor, to prior sale and to the Sponsor's right to reject any order in whole or in part and to withdraw, cancel or modify the offer without notice. It is expected that the Regular Securities (or related MX Securities) will be ready for delivery in Book-Entry Form through the facilities of the Book-Entry Depository and that the Residual Securities will be delivered in certificated form to the offices of the Sponsor in New York, New York, on or about February 28, 2000.

Banc of America Securities LLC

## GINNIE MAE REMIC TRUST 2000-18 TERMS SHEET

This terms sheet (the "Terms Sheet") contains selected information for quick reference only. Prospective investors should read this Supplement, particularly "Risk Factors-Class Investment Considerations," and the Base Offering Circular for further information.
Sponsor: Banc of America Securities LLC
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: February 28, 2000
Distribution Date: The 20th day of each month or, if the 19th day or the 20th day is not a Business Day, the first Business Day thereafter, commencing in March 2000.

Trust Assets:

| Trust Asset Type | Certificate Rate | $7.5 \%$ |
| :--- | :---: | :---: | | Original Term <br> To Maturity <br> (in years) |
| :---: |
| Ginnie Mae II |

Assumed Mortgage Loan Characteristics of the Mortgage Loans Underlying the Trust Assets (as of February 1, 2000):

| Principal <br> Balance | Weighted Average <br> Remaining Term to <br> Maturity (in months) | Weighted Average <br> Loan Age <br> (in months) | Weighted <br> Average <br> Mortgage Rate |
| :---: | :---: | :---: | :---: |
| $\$ 150,000,000$ | 357 | 3 | $8.25 \% 0^{* *}$ |

* Does not include Trust Assets that will be added to pay the Trustee Fee.
** The Mortgage Loans underlying the Trust Assets may bear interest at rates ranging from 8.00\% to $9.00 \%$ per annum.

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.
Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.

Modification and Exchange: Beneficial Owners of certain Classes of REMIC Securities will be entitled, upon notice and payment of an exchange fee, to exchange all or a portion of such Classes for a proportionate interest in the MX Class as shown on Exhibit A to this Supplement. Similarly, Beneficial Owners of the MX Class will be entitled, upon like notice and payment of an exchange fee, to exchange all or a portion of such Class for proportionate interests in the related Classes of REMIC Securities. Each MX Security will represent a proportionate beneficial ownership interest in, and will entitle the Holder thereof to receive a proportionate share of the distributions on, the related Classes of REMIC Securities. See "Description of the SecuritiesModification and Exchange" in the Base Offering Circular. Exhibit A to this Supplement sets forth the available combination of the Classes of REMIC Securities and the MX Class.

Increased Minimum Denomination Class: Class S. 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 cover page of this Supplement or on Exhibit A 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) | $\begin{gathered} \text { Initial } \\ \text { Interest Rate }(2) \\ \hline \end{gathered}$ | $\underset{\text { Rate }}{\text { Minimum }}$ | $\underset{\text { Rate }}{\text { Maximum }}$ | $\begin{gathered} \text { Delay } \\ \text { (in days) } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| F | LIBOR + 0.88\% | 6.70\% | 0.88\% | 8.50\% | 0 |
| S | 57.15\% - (LIBOR $\times 7.5$ ) | 13.50\% | 0.00\% | 57.15\% | 0 |

(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" herein.
(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 a percentage of the Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remainder of the Principal Distribution Amount (the "Adjusted Principal Distribution Amount") and the Z Accrual Amount and ZA Accrual Amount (each as defined below) will be allocated as follows:

- The Z Accrual Amount and the ZA Accrual Amount in the following order of priority:

1. To F and S, pro rata, until reduced to their Aggregate Scheduled Principal Balance for that Distribution Date
Accretion
Directed
and
Accrual
2. To $Z$, until retired
3. To F and S, pro rata, without regard to their Aggregate Scheduled Principal Balance, until retired
4. To ZA

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

PAC $\quad\left\{\begin{array}{l}\text { 1. To PA, PB and PC, in that order, until reduced to their Aggregate Scheduled }\end{array}\right.$ Principal Balance for that Distribution Date
тас $\quad\left\{\begin{array}{l}\text { 2. To F and S, pro rata, until reduced to their Aggregate Scheduled Principal Balance } \\ \text { for that Distribution Date }\end{array}\right.$
Support $\quad\{3$. To $Z$, until retired
тас $\quad\left\{\begin{array}{l}\text { 4. To F and S, pro rata, without regard to their Aggregate Scheduled Principal } \\ \text { Balance, until retired }\end{array}\right.$
Support $\{$ 5. To ZA, until retired
PAC $\quad\left\{\begin{array}{l}\text { 6. To PA, PB and PC, in that order, without regard to their Aggregate Scheduled } \\ \text { Principal Balance, until retired }\end{array}\right.$
As to any Distribution Date, the "Principal Distribution Amount" means that portion of the Principal Distribution Amount for such date attributable to the Trust Assets. As to any Distribution Date, the "Z Accrual Amount" and "ZA Accrual Amount" mean the Accrual Amount on such date for the related Accrual Class.
Accrual Classes: Classes Z and ZA are Accrual Classes. Interest will accrue on each Accrual Class at the per annum rate set forth on the cover page of this Supplement. However, no interest will be distributed thereon 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."
MX Class: On any Distribution Date when distributions of principal are to be allocated from REMIC Securities to MX Securities, such distributions will be allocated from the applicable Classes of REMIC Securities to the MX Class.

Structuring Range and Rate: The PAC and TAC Classes have the following Structuring Range and Rate:

| Class | Structuring Range or Rate |
| :--- | :---: |
| PA, PB and PC $($ Aggregate $) \ldots \ldots \ldots \ldots \ldots$ | $100 \%$ PSA through $250 \%$ PSA |
| F and S $($ Aggregate $) \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots$ | $140 \%$ PSA |

The Effective Range or Rate for a Class may differ from its Structuring Range or Rate. The initial Effective Range and Rate for the PAC and TAC Classes are set forth under "Risk Factors-Class Investment Considerations-PAC and TAC Classes" in this Supplement.

Scheduled Principal Balances: The Scheduled Principal Balances for the PAC and TAC Classes in the aggregate (the "Aggregate Scheduled Principal Balances") are included in Schedule I to this Supplement.

## Weighted Average Lives (years) *

| $\underline{\text { Class }}$ | PSA Prepayment Assumption |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 140\% | 250\% | 350\% |
| A†, F and S | 9.0 | 8.6 | 4.6 | 2.3 | 1.7 |
| PA | 13.4 | 4.0 | 4.0 | 4.0 | 3.5 |
| PB | 23.2 | 10.9 | 10.9 | 10.9 | 8.1 |
| PC | 25.9 | 19.9 | 19.9 | 19.9 | 15.3 |
| Z | 16.8 | 14.4 | 10.6 | 0.7 | 0.4 |
| ZA | 28.3 | 22.3 | 20.0 | 5.4 | 3.1 |

* Determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or at any other constant rate and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.
$\dagger$ MX 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.

Suitability: The Securities of any Class may not be suitable investments for all investors. The Sponsor intends to make a market for the Securities but is not obligated to do so. There can be no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable them to realize their anticipated yield. The market values of the Securities are likely to fluctuate. The fluctuations may be significant and could result in significant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear (i) the prepayment and yield risks associated with that Class and (ii) the risk that the value of such Securities will fluctuate over time and that such Securities may not be readily salable. Each investor is urged to consult with its investment advisor regarding whether the Securities are an appropriate investment for such investor.

# \$486,500,000 <br> Government National Mortgage Association 








 REMTC Securites and MX Seruritizs.

 Circular.

For a dibussion of certain material risks in contection with the porchase of the Securities, see ${ }^{\text {s/Risk Factors-Class Investment }}$ Considerations" on page S-13 of this Supplemerak.

GINNIE MAE GLALANTEES THE TIMELY PAYMENT OF PRINGIMAL AND INTEREST ON THE SECURI'GLES, THE GINNIE MAE GLARANTY SS BACKED BY THE FLLL FAITH ANL LEEDF OF THE CNITED STATLS OF AMERCCA. THE SECURITIES ARE EXEMPI FROM THE REGISTRATION REQTIREMENTS OH TFFE SECUFITIES ACT OF 1933 AND. CONSIITLTE EXEMI'TED SECURITIES UNDER THE SECLRITIES EXC'LIANGE ACT OF 1934.



 TyF'l is its origina! Cows5 Notional Balance ac:d coes s.ot represenl prinuipal that uill be paid.
 will se redured is indizated in parenilheses.





[^15]
## Donaldson, Lufkin \& Jenrette Utendahl Capital Partners, L.P.

The date of this Oftering Circular Surplement is May 21, 1949.

## GINNIE MAE REMIC TRUST 1999-15 <br> TERMS SHEET

This terms sheet |the "Terms Shect"| contains selected information for quick reference unly. Prospective investors should read this Supplement, particularly "Risk Factors-Class Investment Considerations," and the Base Offering Circular for further information.
Sponsor: Donaldson, Lufkin, \& lenrette Securities Corporation
Trustee: Statc Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: May 28, 1999
Distribution Date: The 16 th day of each monih or, if the loth day is not a Business Day, the first Busincss Day thereafter, commencing in June 1999.

Trust Assets:

| Trust Asset Type | C.crillcate Rate | Original Term To Maturity [in years] |
| :---: | :---: | :---: |
| Ginnie Mae I | 70\% |  |

Trustee Fee: 90;486,590 of al principal and interest distributions on the Trust Assets.
Assumed Mortgage Luan Characteristics of the Mortgage Loans Underlying the Trust Assets (as of May 1, 1999):

| Principal Balance | Weighted Avetage Remaining Terto to Matority [in monthst | Weighted Average Lown Age (in months) | Mortgage Rate |
| :---: | :---: | :---: | :---: |
| \$182,471,250 | 336 | 20 | $7.50 \%$ |
| 243,295,000 | 318 | 36 | 7.50\% |
| 60,823,750 | 280 | 68 | $7.50 \%$ |

$\$ 486,590,000$

The actual remaining terms to maturity and loan ages 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.

Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.

Modification and Exchange: Beneficial Owners of certain Classes of REMIC Securities will be entitled, upon notice and payment of an exchange fee, to exchange all or a portion of such Classes for a proportionate interest in the related MX Class as shown an Exhibit A to this Supplement. Similarly, Beneficial Owners of an MX Class will be entitled, upon like notice and payment of an exchange fec, to exchange all or a portion of such Class for proportionate interests in the relared Classes of REMIC Securities. Each MX Security will represent a proportionate bencficial ownership interest in, and will entitle the Holder thercof to teccive a proportionate share of the distributions on, the related Classes of REMIC Securities. See "Description of the Securities-Modification and Exchange" in this Supplement. Exhibit A to this Supplement sets forth the available combinations of the Classes of REMIC Securities and the related MX Classes.

Inereased Minimum Denomination Classes; Each REMIC Class or MX Class that constitutes a Ptincipal Only, Interest Only or Inverse Floating Rate Class. See "Description of the Securitics - Form of Securitics ${ }^{\prime \prime}$ in this Supplement.

Interest Rates and Delay: The Interest Rates for the Fixed Rate Classes are shown on the cover page of this Supplenent or on Exhibit A to this Supplement.
The Floating Rate and Inversc Floating Rate Classes will bear interest at per annum rates based on LIBOR ihercinatter referred to as "LBOR"! as follows:

| Class | Interest Rate Formula, 1 ¢ | Initial Interest Ratel2) | $\begin{gathered} \text { Minimumum } \\ \text { Rate } \\ \hline \end{gathered}$ | Maximura Rate | Delay <br> in days |
| :---: | :---: | :---: | :---: | :---: | :---: |
| F\% FA and FF. | LIBOR + 0.30\% | 5.20625\% | 0.30\% | 8.50\% | 0 |
| HC | LIBOR + 1.00\% | 5.90625\% | 1.00\% | 8.00\% | 15 |
| $\mathrm{St}, \mathrm{SA}$ and SB. | 8.20\% - LIBOR | 3.29375\% | 0.00\% | 8.20\% | 0 |
| SC. . . . . . . . . | 49.0\% - ILIBOR $\times 7$ ] | 14.65625\% | 0.00\% | 49.0\% | 15 |

i': LIBOR will be esrahlisied on the hasis of the BBA LIBOR method, as described under "Description of the Securitics-Tntercst Distrilutions-Fioating Rate and tnycrse Floating Rate Classes" herein.
'2: 'The Enitial lnterest Rate will be meffect turing the firss Accrual Perind, the Ipterest Rate will adiugt monthly thereafter.

+ MXX Class.
Allocation of Principal: On each Distribution Date, $90 / 486,590$ of the Principal Distribution Amount will be applied to the Trustee Fec, and the remaining 486,500/486,590 of the Principal Distribution Amount ithe "Adjusted Principal Distribution Amount"| will be allocated, concurrently, as follows:

1. $44.8098663926 \%$ in the following order of priority:

PAC.

Support
b. T $\cap \mathrm{FB}$, until retired

PAC
c. To FA, without regard to its Scheduled Principal Balance, until retired
2. $28.7769784173 \%$ in the following order of priority:
sequential
$\mathbf{P a y}$ Date
a. Concurrently, $75.7363025210 \%$ to A and $24.2436974790 \%$ to B , until B is retired
b. To A, until metired
a. To FA, until reduced to its Scheduled Principal Balance for that Distribution
c. Sequentially, to $D, E$ and $G$, in that order, until retired
3. $26.4131551901 \%$ in the following order of prionity:
a. Concurently, to PA and PE, pro rata, until reduced to therr Scheduled Principal Balances for that Distribution Date
b. Sequentially, to $\mathrm{PB}, \mathrm{PC}$ and 1 DD , in that order, until reduced to their Scheduled Principal Balances for that Distributirn Date

Suppott
 $2.6079628280 \%$ to SC and $\mathrm{ivi} \mid 50.5648688047 \%$, sequentially, to H. J. K, L. and $\mathcal{M}$, in that order, in cach case until retired
d. Concurrently, to FA and RE, pro rata, without regard to their Scheduled Principal Balances, until retired
e. Scquentially, to PB, PC, and PD, in that ordet, without regatd to their Scheduled Principal Balances, until retired
MX Classes: On any Distribution Date when distributions of principal are to be aliocated from REMIC Securitics to MX Securities, such distributions will be allocated ifom the applicable Classes of REMIC Securitics to the related MX Class.
Notional Classes: The Nutional Classes will nor receive distributions of principal but have Class Nutional Balances for convenience in describing their cntitlements to mterest. The Class Notional Balance of wach Notional Class represents the percentage indicated below of, and reduces to that extent with, the Class Principal Balance indicated:

| Class |  |
| :---: | :---: |
|  | O.. |
|  | St. |
|  | SA |
|  | SB. |


| Original Class <br> Notional Ealance |
| ---: |
| $\$ 25,000,000$ |
| $218,000,000$ |
| $129,000,000$ |
| $89,06\} 0,000$ |


|  | Hepresent |
| :---: | :---: |
|  |  |
|  | 100\% uf Ft \{STEClass) |
|  | 100\% or FA [PAC. Class) |
|  | 100\% ut Fb \{SUP Class, |

+ NXClass.
Structuring Range: The JAC Classes were structured using, anong other things, the following Structuring Range:

$$
\frac{\text { Class }}{\text { FA. PA, }} \text { PH, PC, PD and PE } \ldots \ldots \ldots \ldots \ldots .
$$

The Effective Range for a Class may differ from its Structuring Range. The initial Effective Ranges for the PAC. Classes are set forth under "Risk Factors-Class Investment Considerations- - J'AC Classes" in this Supplement.
Scheduled Principal Balances: The Scheduled Principal Balances for each PAC Class are included in Schedule I to this Supplement.

## Weighted Average Lives \{in years\} ${ }^{*}$ :

| Class | PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 0\% | 100\% | 18.\% | 350\% | 500\% |
| A | 19.0 | 8.3 | 5.2 | 2.9 | 2.0 |
| $B$ and $10^{+*}$ | 17.3 | 6.5 | 4.0 | 2.2 | 1.5 |
| ct. | 29.1 | 22.8 | 18.2 | 11.2 | 7.8 |
| D. | 28.6 | 20.7 | 15.1 | 8.6 | 5.9 |
| E | 29.3 | 23.5 | 18.9 | 11.4 | 7.8 |
| Ft and $\mathrm{S}^{*} \dagger$ | 20.2 | 10.1 | 6.9 | 4.0 | 2.7 |
| FA and $S A^{* *}$ | 15.4 | 5.4 | 5.4 | 5.4 | 4.0 |
| FB and $S B{ }^{*}$ | 27.2 | 17.0 | 9.2 | 1.9 | 1.0 |
| $\mathrm{FC}, \mathrm{SC}$ and PO . | 27.0 | 17.0 | 9.6 | 2.6 | 1.0 |
| G. | 29.8 | 26.1 | 23.6 | 16.5 | 11.7 |
| H | 25.2 | 12.1 | 2.5 | 0.7 | 0.4 |
| J. | 26.9 | 16.3 | 7.9 | 1.5 | 0.9 |
| K | 27.4 | 17.4 | 10.0 | 1.8 | 1.0 |
| L | 28.3 | 20.0 | 13.9 | 2.6 | 1.4 |
| M. | 29.5 | 24.4 | 20.4 | 7.4 | 2.1 |
| PA and le | 11.9 | 3.0 | 3.0 | 3.0 | 2.5 |
| PB | 20.8 | 7.7 | 7.7 | 7.7 | 5.7 |
| PC. | 22.8 | 11.3 | 11.3 | 11.3 | 9.0 |
| PI)... | 23.5 | 14.2 | 14.2 | 14.2 | 14.5 |

- Decarnined ns descreted under "Yjeld Maturity and |'ropayment Considerationer" in this Supplement. Prepaymentg will not oceur at any assumed tate shown of at any constant rates, and the actual Weighted Average Lives of any ar a
* The intormacino shown ker each Nistismal Class ji. for illustrative purposes inaly
- Mx Class.

Tax Status: Double REMIC Series. See "Certain Federal Jncome Tax Consequences" in this Supplement and in the Base Offering Circular.
Megular and Residual Classes: Class RR is a Residual Class and includes the Issuing REMIC and the Pooling REMIC; all orher Classes of REMIC Securities are Regular Classes.
Suitability: The Securities of any Class may not be suitable investments for all investors. The Sponsor intends ro rake a market for the Securities but is not obligated to do so. There can be no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable them tor realize their anticipated yield. The market values of the Secarities are likely to fluctuate. The fluctuations may be significant and could result in significant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear (i) the prepayment and yield risks associated with that Class and (ii) the risk that the value of such Securities will fluctuate over time and that such Securities may not be readily salable. Each investor is urged to consult with its investment advisor regarding whether the Securities are an appropriate invescment for such investor.
Exhibit A

|  | REMLC：Sexuritios |  |  |  | 咗 |  |  | 1 Steurit |  | …－－ |  | ——．－ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Clus |  | $\begin{gathered} \text { Exchinalgy } \\ \text { Proportiousity_ } \\ \hline \end{gathered}$ | $\begin{gathered} \text { kulinell } \\ M_{x^{\prime \prime}} \text { (lasx } \end{gathered}$ |  | $\begin{aligned} & \text { Excleang: } \\ & \text { Prsporitonizly } \end{aligned}$ | Primsipal or Tris Tymes | Joberest Rate | （1atectil | $\begin{aligned} & \text { Cusir } \\ & \text { Numinkron } \end{aligned}$ |  | Weighted Avitrues Life at IN．ith PsA迫 y yats） | Increpyter Minimum Ifrmumination！$(6)$ |
| Cımbinacies । |  |  |  |  |  |  |  |  |  |  |  |  |
| ${ }_{\text {FA．}}^{\text {FB．}}$ |  | 59．1743119206\％ | F | \＄218，100， 120 | 100\％ | Su | 171 | FITT | 38371212150 | May 2121$)$ | 69 | NA |
| Comkination？ |  |  |  |  |  |  |  |  |  |  |  |  |
| SA. . | $\$ 12 \% 000, \% 00$ 89,000000 | $591743115266 \%$ 40．4296841734＂ | $\$$ | \＄23n，000，260 | 100\％ | NTLisjut | 171 | 1．2vits | 38.37 H 2 B WS | M：y $2: 12{ }^{2}$ | 69 | \＄1，204］，0［x］ |
| Comhination 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| ［ | \＄9,461 <br> $6,600,0000$ | 46．66кк6666667\％ <br> $1.4985714286 \%$ | $c$ | \＄21，19x1，00｜ | $105 \%$ | SEO | 斤．＇30． | FIX | ． $3837 \mathrm{~T} 2 \mathrm{2PXS}$ | May 2izl | 18.2 | NA |
|  | $\begin{aligned} & 6,600,000 \\ & 4,501,000 \end{aligned}$ | $31.4285714280 \%$ $21.9147619048 \%$ |  |  |  |  |  |  |  | ， |  |  |

[^16]
## \$507,200,000

# Government National Mortgage Association 



## GINNIE MAE ${ }^{\circledR}$

Guaranteed REMIC Pass-Through Securities<br>and MX Securities<br>Ginnie Mae REMIC Trust 1999-18


#### Abstract

Ginnie Mae REMIC Trust 1999-18 Guaranteed REMIC Pass-Through Securities (the "Securities") represent interests in Ginnie Mae REMIC Trust 1999-18 (the "Trust"). The assets of the Trust (the "Trust Assets") consist primarily of Ginnie Mae Certificates guaranteed pursuant to Ginnie Mae programs for first lien, single-family, fixed rate, residential mortgage loans (the "Trust MBS").

Guaranteed REMIC Pass-Through Securities ("REMIC Securities") specified herein may, upon notice and payment of an exchange fee, be exchanged for one or more Classes (each, an "MX Class") of Modifiable and Exchangeable Securities ("MX Securities") as described under "Description of the Securities-Modification and Exchange" herein. In addition, as described herein, Classes of MX Securities are exchangeable for one or more specified REMIC Classes. Unless the context requires otherwise, the term "Securities" includes REMIC Securities and MX Securities and the term "Classes" includes Classes of REMIC Securities and MX Securities.

The Classes listed in the table below and the MX Classes are offered pursuant to this Offering Circular Supplement and the Base Offering Circular. The Regular and MX Classes comprise two Security Groups. Payments on Security Group 1 will be based solely on payments on the Group 1 Trust Assets and payments on Security Group 2 will be based solely on payments on the Group 2 Trust Assets. Unless indicated otherwise, capitalized terms used herein shall have the meanings assigned to them in the glossary attached as Appendix II to the Base Offering Circular.

For a discussion of certain material risks in connection with the purchase of the Securities, see "Risk Factors-Class Investment Considerations" on page S-14 of this Supplement.

GINNIE MAE GUARANTEES 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 SECURITIES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT OF 1933 AND CONSTITUTE EXEMPTED SECURITIES UNDER THE SECURITIES EXCHANGE ACT OF 1934. (Cover continued on next page)


| Class of REMIC Securities | $\begin{gathered} \hline \text { Original } \\ \text { Principal } \\ \text { Balance (2) } \end{gathered}$ | Interest Rate | Principal <br> Type (3) | Interest <br> Type (3) | Final Distribution Date $(4)$ | Weighted Average Life (in years) (5) | $\begin{aligned} & \text { CUSIP } \\ & \text { Number } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |  |
| B (1) | \$234,710,000 | 6.250\% | SEQ | FIX | July 2026 | 4.1 | 3837H2DT3 |
| C(1) | 22,990,000 | 6.250 | SEQ | FIX | August 2027 | 11.7 | 3837H2DU0 |
| FA | 20,000,000 | (6) | SEQ | FLT | May 2029 | 7.0 | 3837 H 2 DV 8 |
| FB | 20,000,000 | 61 | SEQ | FLT | March 2028 | 6.3 | 3837H2DW6 |
| FC | 6,179,402 | 6 | STP | FLT | May 2029 | 6.6 | 3837 H 2 DX 4 |
| FE | 1,910,299 | 6 | SUP | FLT | May 2029 | 0.2 | 3837 H 2 DY 2 |
| FG | 51,910,299 | $6)$ | PAC | FLT | February 2029 | 8.5 | $3837 \mathrm{H} 2 \mathrm{DZ9}$ |
| FH | 50,000,000 | 61 | TAC | FLT | May 2029 | 4.9 | 3837H2 E A 3 |
| SA | 150,000,000 | $6)$ | NTL (STP) | INV/IO | May 2029 | 6.6 | 3837 H 2 EB 1 |
| SB | 51,910,299 | (6) | NTL (SEQ) | INV/IO | May 2029 | 4.7 | 3837 H 2 EC 9 |
| VA(1) | 27,300,000 | 6.250 | AD/SEQ | FIX | January 2016 | 9.3 | 3837 H 2 ED 7 |
| Z(1).. | 15,000,000 | 6.250 | SEQ | FIX/Z | May 2029 | 18.4 | 3837 H 2 E E 5 |
| Security Group 2 |  |  |  |  |  |  |  |
| ED(1) | 7,150,000 | 0.000 | STP | PO | May 2029 | 7.5 | 3837 H 2 EF 2 |
| FD | 50,050,000 | 61 | STP | FLT | May 2029 | 7.5 | 3837H2 EG0 |
| SD (1) | 50,050,000 | (6) | NTL (STP) | INV/IO | May 2029 | 7.5 | 3837H2 EH 8 |
| Residual |  |  |  |  |  |  |  |
| RR.......................................... . | 0 | 0.00 | NPR | NPR | May 2029 | - | 3837H2 EM7 |

(1) Denotes a Class which is exchangeable for an MX Class. See Exhibit A to this Supplement for a description of the MX Classes.
(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) The Weighted Average Lives of Security Group 1 and Security Group 2 are calculated at $199 \%$ PSA and $180 \%$ PSA, respectively, in each case determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or at any other constant rate and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.
(6) The Floating Rate and Inverse Floating Rate Classes will bear interest as described under "Terms Sheet—Interest Rates" in this Supplement.

The Securities are being offered by Salomon Smith Barney Inc. (the "Sponsor") and The Williams Capital Group, L.P. (the "Co-Sponsor") from time to time in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest, if any, from May 1,1999 on the Fixed Rate Classes and from May 16, 1999, on the Floating Rate and Inverse Floating Rate Classes.

The Securities are offered subject to receipt and acceptance by the Sponsor, to prior sale and to the Sponsor's right to reject any order in whole or in part and to withdraw, cancel or modify the offer without notice. It is expected that the Regular Securities (or their related MX Securities) will be ready for delivery in Book-Entry Form through the facilities of the Book-Entry Depository and that the Residual Securities will be delivered in certificated form to the offices of the Sponsor in New York, New York, on or about May 28, 1999.

## GINNIE MAE REMIC TRUST 1999-18 TERMS SHEET

This terms sheet (the "Terms Sheet") contains selected information for quick reference only. Prospective investors should read this Supplement, particularly "Risk Factors-Class Investment Considerations," and the Base Offering Circular for further information.

Sponsor: Salomon Smith Barney Inc.
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: May 28, 1999
Distribution Date: The 16th day of each month or, if the 16th day is not a Business Day, the first Business Day thereafter, commencing in June 1999.

## Trust Assets:

| Trust Asset <br> Group | Trust Asset Type | Certificate Rate | Original Term <br> To Maturity <br> (in years) |
| :---: | :---: | :---: | :---: |
| Ginnie Mae I $7.0 \%$ 30 <br> 2 Ginnie Mae I $7.0 \%$$\quad 30$ |  |  |  |

## Security Groups:

Group 1 Securities: Classes B, C, FA, FB, FC, FE, FG, FH, SA, SB, VA and Z (REMIC Securities); Classes A and D (MX Securities)

Group 2 Securities: Classes ED, FD and SD (REMIC Securities) ; Class E (MX Security)
Trustee Fee: 83/450,083 of all principal and interest distributions on the Group 1 Trust Assets, $12 / 57,212$ of all principal and interest distributions on the Group 2 Trust Assets.

Assumed Mortgage Loan Characteristics of the Mortgage Loans Underlying the Trust Assets (as of May 1, 1999):

 (in months) Mortgage Rate

## Group 1 Trust Assets

| $\$ 111,020,473$ | 342 | 12 | $7.50 \%$ |
| ---: | :--- | :--- | :--- |
| $62,011,436$ | 320 | 34 | $7.50 \%$ |
| $277,051,091$ | 308 | 46 | $7.50 \%$ |
| $\underline{ }$ |  |  |  |

## Group 2 Trust Assets

\$ 57,212,000
The actual remaining terms to maturity and loan ages 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.

Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.

Modification and Exchange: Beneficial Owners of certain Classes of REMIC Securities will be entitled, upon notice and payment of an exchange fee, to exchange all or a portion of such Classes for a proportionate interest in the related MX Class as shown on Exhibit A to this Supplement. Similarly, Beneficial Owners of an MX Class will be entitled, upon like notice and payment of an exchange fee, to exchange all or a portion of such Class for proportionate interests in the related Classes of REMIC Securities. Each MX Security will represent a proportionate beneficial ownership interest in, and will entitle the Holder thereof to receive a proportionate share of the distributions on, the related Classes of REMIC Securities. See "Description of the Securities-Modification and Exchange" in this Supplement. Exhibit A to this Supplement sets forth the available combinations of the Classes of REMIC Securities and the related MX Classes.

Increased Minimum Denomination Classes: Each REMIC Class or MX Class that constitutes a Principal 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 cover page of this Supplement or on Exhibit A 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 | $\begin{gathered} \text { Interest } \\ \text { Rate Formula (1) } \\ \hline \end{gathered}$ | $\begin{gathered} \text { Initial } \\ \text { Interest Rate }(2) \\ \hline \end{gathered}$ | $\begin{gathered} \text { Minimum } \\ \text { Rate } \end{gathered}$ | $\begin{aligned} & \text { Maximum } \\ & \quad \text { Rate } \\ & \hline \end{aligned}$ | $\begin{gathered} \text { Delay } \\ (\text { in days }) \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E† | 53.2\% - (LIBOR $\times 7$ ) | 18.886\% | 0.00\% | 53.20\% | 0 |
| FA, FB, FC |  |  |  |  |  |
| FD | LIBOR + 0.40\% | 5.302\% | 0.40\% | 8.00\% | 0 |
| FE and FH | LIBOR + 0.25\% | 5.152\% | 0.25\% | 8.50\% | 0 |
| SA | 8.20\% - LIBOR | 3.298\% | 0.00\% | 8.20\% | 0 |
| SB | 8.25\% - LIBOR | 0.050\% | 0.00\% | 0.05\% | 0 |
| SD | 7.60\% - LIBOR | 2.698\% | 0.00\% | 7.60\% | 0 |
| (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" herein. <br> (2) The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter. <br> $\dagger$ MX Class. |  |  |  |  |  |

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

83/450,083 of the Group 1 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining 450,000/450,083 of the Group 1 Principal Distribution

Amount (the "Group 1 Adjusted Principal Distribution Amount") and the Accrual Amount (as defined below) will be allocated as follows:

- The Accrual Amount to VA, until retired, then to Z, until retired
- The Adjusted Principal Distribution Amount, concurrently, as follows:

1. $66.6666666667 \%$ sequentially to $B, C, V A$ and $Z$, in that order, until retired
2. $1.3732004444 \%$ to FC , until retired
3. $8.8888888889 \%$ in the following order of priority:
a. To FA, until $\$ 6,666,667$ has been distributed according to this rule
b. Concurrently, (a) $32 \%$ to FA and (b) $68 \%$ to FB, until FB is retired
c. To FA, until retired
4. $23.0712440000 \%$ in the following order of priority:
a. To FG, until reduced to its Scheduled Principal Balance, for that Distribution Date
b. To FH, until reduced to its Scheduled Principal Balance, for that Distribution Date
c. To FE, until retired
d. To FH, until its Class Principal Balance has been reduced to $\$ 2,422,481$
e. Sequentially, to FG and FH, in that order, until retired
$12 / 57,212$ of the Group 2 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining $57,200 / 57,212$ of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount") will be allocated as follows:


As to any Distribution Date, the "Group 1 Principal Distribution Amount" and the "Group 2 Principal Distribution Amount" mean that portion of the Principal Distribution Amount for such date attributable to the Group 1 and Group 2 Trust Assets, respectively. As to any Distribution Date, the "Accrual Amount" means the Accrual Amount on such Distribution Date for Class Z.

Accrual Classes: Class Z is an Accrual Class. Interest will accrue on the Accrual Class at the per annum rate set forth on the cover page of this Supplement. However, no interest will be distributed thereon as interest. Interest 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".

MX Classes: On any Distribution Date when distributions of principal are to be allocated from REMIC Securities to MX Securities, such distributions will be allocated from the applicable Classes of REMIC Securities to the related MX Class.

Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlement 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 Balance indicated:

| Class | Original Class Notional Balance | Represents |
| :---: | :---: | :---: |
| SA | \$ 20,000,000 | 100\% of FA (SEQ Class) |
|  | 20,000,000 | 100\% of FB (SEQ Class) |
|  | 6,179,402 | 100\% of FC (STP Class) |
|  | 1,910,299 | 100\% of FE (SUP Class) |
|  | 51,910,299 | 100\% of FG (PAC Class) |
|  | 50,000,000 | 100\% of FH (PAC Class) |
|  | \$150,000,000 |  |
| SB | \$ 1,910,299 | 100\% of FE (SUP Class) |
|  | 50,000,000 | 100\% of FH (PAC Class) |
|  | \$ 51,910,299 |  |
| SD | \$ 50,050,000 | 100\% of FD (STP Class) |

Structuring Range and Rate: The PAC Class was structured using, among other things, the following Structuring Range, and the TAC Class was structured using, among other things, the following Structuring Rate:

| Class | Range and Rate |
| :---: | :---: |
| PAC | 75\% PSA through 230\% PSA |
| TAC | 125\% PSA |

The Effective Range or Rate for a Class may differ from its Structuring Range or Rate. The initial Effective Ranges or Rate for the PAC and TAC Classes are set forth under "Risk Factors-Class Investment Considerations-PAC and TAC Classes in this Supplement.

Scheduled Principal Balances: The Scheduled Principal Balances for each PAC and TAC Class are included in Schedule I to this Supplement.

## Weighted Average Lives (years)*



[^17]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 RR is a Residual Class and includes the Issuing REMIC and the Pooling REMIC; all other Classes of REMIC Securities are Regular Classes.

Suitability: The Securities of any Class may not be suitable investments for all investors. The Sponsor intends to make a market for the Securities but is not obligated to do so. There can be no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable them to realize their anticipated yield. The market values of the Securities are likely to fluctuate. The fluctuations may be significant and could result in significant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear (i) the prepayment and yield risks associated with that Class and (ii) the risk that the value of such Securities will fluctuate over time and that such Securities may not be readily salable. Each investor is urged to consult with its investment advisor regarding whether the Securities are an appropriate investment for such investor.

# Government National Mortgage Association 



## GINNIE MAE

Guaranteed REMIC Pass-Through Securities and MX Securities<br>Ginnie Mae REMIC Trust 1998-8

The Ginnie Mae REMIC Trust 1998-8 Guaranteed REMIC Pass-Through Securities (the "Securities") represent interests in Ginnie Mae REMIC Trust 1998-8 (the "Trust"). The assets of the Trust (the "Trust Assets") consist primarily of (i) certain previously issued REMIC certificates (the "Underlying REMIC Certificates"), as further described in Exhibits A and B hereto, evidencing interests in trusts consisting primarily of Ginnie Mae Certificates and (ii) Callable Class Securities (the "Underlying Callable Securities"), evidencing interests in Ginnie Mae Callable Trust 1998-C4 as further described in the Series 1998-C4 Offering Circular attached hereto.

Guaranteed REMIC Pass-Through Securities ("REMIC Securities") of certain Classes may, upon notice and payment of an exchange fee, be exchanged for one or more Classes (each an "MX Class") of Modifiable and Exchangeable Securities ("MX Securities") as described under "Description of the Securities-Modification and Exchange" herein. In addition, as described herein, Classes of MX Securities are exchangeable for one or more specified REMIC Classes and MX Classes. Unless the context requires otherwise, the term "Securities" includes REMIC Securities and MX Securities and the term "Classes" includes Classes of REMIC Securities and MX Securities.

The Classes listed in the table below and the MX Classes are offered pursuant to this Offering Circular Supplement and the Base Offering Circular. The Regular and MX Classes comprise five Security Groups. Payments on Security Group 1 will be based solely on payments on the Group 1 Trust Assets, payments on Security Group 2 will be based solely on payments on the Group 2 Trust Assets, payments on Security Group 3 will be based solely on payments on the Group 3 Trust Assets, payments on Security Group 4 will be based solely on payments on the Group 4 Trust Assets and payments on Security Group 5 will be based solely on the Group 5 Trust Assets. Unless indicated otherwise, capitalized terms used herein shall have the meanings assigned to them in the glossary attached as Appendix III to the Base Offering Circular. For a discussion of certain material risks in connection with the purchase of the Securities, see "Risk Factors-Class Investment Considerations" on page S-16 of this Supplement.

GINNIE MAE GUARANTEES 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 SECURITIES ARE EXEMPT FROM THE REGISTRATION REQUIREMENTS OF THE SECURITIES ACT OF 1933 AND CONSTITUTE

EXEMPTED SECURITIES UNDER THE SECURITIES EXCHANGE ACT OF 1934.
(Cover continued on next page)

| Class of REMIC Securities | Original Principal Balance (2) | Interest Rate | Principal Type (3) | Interest <br> Type (3) |  | Weighted Average Life (in years) (5) | CUSIP <br> Number |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Security Group 1 |  |  |  |  |  |  |  |
| A | \$133,450,000 | 7.00\% | AD/SCH/CC | FIX | June 2025 | 5.5 | 3837H1 J S 1 |
| B | 13,800,000 | 7.00 | SEQ/CC | FIX | April 2028 | 20.4 | $3837 \mathrm{H1}$ J T9 |
| Z | 2,750,000 | 7.00 | SCH/CC | FIX/Z | March 2027 | 5.5 | $3837 \mathrm{H} 1 \mathrm{JU6}$ |
| Security Group 2 STP/SC FLT/DLY Mat |  |  |  |  |  |  |  |
| F(1) | 137,631,660 | (6) | STP/SC | FLT/DLY | March 2024 | 16.1 | 3837 H 1 J V 4 |
| S(1) | 29,492,498 | (6) | STP/SC | INV/DLY | March 2024 | 16.1 | 3837H1JW2 |
| Security Group 3 ( |  |  |  |  |  |  |  |
| C | 1,547,963 | 7.00 | SEQ/SC | FIX | December 2023 | 12.2 | $3837 \mathrm{H1}$ J X0 |
| SA(1) | 6,810,868 | (6) | SEQ/SC | INV | December 2023 | 17.1 | 3837H1 J Y 8 |
|  |  |  |  |  |  |  |  |
| E $\quad$........ | 5,977,886 | 5.35 | STP/SC | FIX | February 2019 | 3.4 | $3837 \mathrm{H1}$ J Z 5 |
| PE(1) | 15,010,114 | 0.00 | STP/SC | PO | February 2019 | 3.4 | $3837 \mathrm{H1KA8}$ |
| SE(1) | 14,991,429 | (6) | NTL(STP/SC) | INV/IO/DLY | February 2019 | 3.4 | 3837H1 KB6 |
| Security Group 5 |  |  |  |  |  |  |  |
| PG(1) | 2,924,385 | 0.00 | PT/SC | PO | November 2023 | 1.5 | 3837 H 1 KC 4 |
| SG(1). | 2,924,385 | (6) | NTL(PT/SC) | INV/IO | November 2023 | 1.5 | 3837H1KD2 |
| Residual |  |  |  |  |  |  |  |
| RR | 0 | 0.00 | NPR | NPR | April 2028 | - | 3837H1KE0 |

(1) Denotes a Class which is exchangeable for an MX Class. See Schedule II to this Supplement for a description of the MX Classes.
(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) The Weighted Average Lives of Security Group 1, Security Group 2, Security Group 3, Security Group 4 and Security Group 5 are calculated at $190 \%$ PSA, $175 \%$ PSA, 175\% PSA, 175\% PSA and 175\% PSA, respectively, in each case determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or at any other constant rate, a redemption of the Underlying Callable Securities may occur as described herein (in the case of Security Group 1), and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.
(6) The Floating Rate and Inverse Floating Rate Classes will bear interest as described under "Terms Sheet-Interest Rates" in this Supplement.

The Securities are being offered by Bear, Stearns \& Co. Inc. (the "Sponsor") and The Williams Capital Group, L.P. (the "Co-Sponsor") from time to time in negotiated transactions at varying prices to be determined at the time of sale, plus accrued interest from April 1, 1998, in the case of all interest bearing classes other than the Class SA, Class SB, Class SG and Class SH and from April 26, 1998 in the case of the Class SA, Class SB, Class SG and Class SH.

The Securities are offered subject to prior sale and to the Sponsor's right to reject any order in whole or in part and to withdraw, cancel or modify the offer without notice. It is expected that the Regular Securities will be ready for delivery in Book-Entry Form through the facilities of Participants Trust Company and that the Residual Securities will be delivered in certificated form to the offices of Bear, Stearns \& Co. Inc. in New York, New York, on or about April 30, 1998.

## Bear, Stearns \& Co. Inc. The Williams Capital Group, L.P.

The date of this Offering Circular Supplement is April 28, 1998.

## GINNIE MAE REMIC TRUST 1998-8 <br> TERMS SHEET

This terms sheet (the "Terms Sheet") contains selected information for quick reference only. Prospective investors should read this Supplement, particularly "Risk Factors-Class Investment Considerations," and the Base Offering Circular for further information. Prospective investors in the Group 2, Group 3, Group 4 and Group 5 Securities are also urged to read the information included in Exhibits A and B hereto relating to the Underlying REMIC Certificates. Prospective investors in the Group 1 Securities are also urged to read the information included in the Series 1998-C4 Offering Circular attached hereto relating to the Underlying Callable Securities.
Sponsor: Bear, Stearns \& Co. Inc.
Trustee: State Street Bank and Trust Company
Tax Administrator: The Trustee
Closing Date: April 30, 1998
Distribution Date: 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 following the 16th day, commencing in May 1998. For the Group 2, Group 3, Group 4 and Group 5 Securities, the first business day following each Underlying REMIC Distribution Date, commencing in May 1998. The "Underlying REMIC Distribution Date" for the Group 2, Group 3, Group 4 and Group 5 Securities is the 25 th day of each month or, if the 25th is not a business day, the first business day following the 25th day. For the purposes of this definition, "business day" shall have the meaning assigned thereto in the related Underlying REMIC Disclosure Documents.

## Trust Assets:

| Trust Asset Group | Trust Asset Type | Certificate Rate | Original Term To Maturity (in years) |
| :---: | :---: | :---: | :---: |
| 1 | Underlying Callable Securities | 7.00\% | 30 |
| 2 | Underlying REMIC Certificates | * | * |
| 3 | Underlying REMIC Certificates | * | * |
| 4 | Underlying REMIC Certificates | * | * |
| 5 | Underlying REMIC Certificates | * | * |

[^18]
## Security Groups:

Group 1 Securities: Classes A, B and Z (REMIC Securities)
Group 2 Securities: Classes F and S (REMIC Securities); Classes D, IO, EA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AY, AR, AS, AT, AU, AV, AW, AX, PC and SC (MX Securities)
Group 3 Securities: Classes C and SA (REMIC Securities); Classes SB and PO (MX Securities)
Group 4 Securities: Classes E, PE and SE (REMIC Securities); Class SD (MX Securities)
Group 5 Securities: Classes PG and SG (REMIC Securities); Class SH (MX Securities)
Trustee Fee: The sum of $29,000 / 150,029,000$ of all principal and interest distributions on the Group 1 Trust Assets, 56,000/167,180,158 of all principal and interest distributions on the Group 2 Trust Assets, $10,000 / 8,368,831$ of all principal and interest distributions on the Group 3 Trust Assets, 12,000/21,000,000 of all principal and interest distributions on the Group 4 Trust Assets and $1,000 / 2,925,385$ of all principal and interest distributions on the Group 5 Trust Assets.

Assumed Mortgage Loan Characteristics of the Mortgage Loans Underlying the Group 1 Trust Assets (as of April 1, 1998):

| Group | Principal <br> Balance | Weighted Average <br> Remaining Term to <br> Maturity (in months) | Weighted Average <br> Loan Age <br> (in months) | $\underline{230} \quad \underline{3150,029,000}$ |
| :--- | :---: | :---: | :---: | :---: |

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 hereto for information regarding the characteristics of the Mortgage Loans included in the Underlying REMIC Trusts and the Series 1998-C4 Offering Circular attached hereto for further information regarding the characteristics of the Mortgage Loans underlying the Underlying Callable Securities.
Underlying Callable Securities: The Trust Assets in Trust Asset Group 1 include Underlying Callable Securities as described in the Series 1998-C4 Offering Circular attached hereto. The Underlying Callable Securities are subject to redemption on any distribution date therefor occurring in October 1998 or thereafter. Any such redemption would result in the concurrent retirement of the Group 1 Securities. See "Risk Factors-Class Investment ConsiderationsThe Group 1 Securities" in this Supplement.
Modeling Assumptions: Set forth under "Yield, Maturity and Prepayment Considerations" in this Supplement.
Modification and Exchange: Beneficial Owners of certain Classes of REMIC Securities will be entitled, upon notice and payment of an exchange fee, to exchange all or a portion of such Classes for a proportionate interest in the related MX Class as shown on Schedule II to this Supplement. Similarly, Beneficial Owners of an MX Class will be entitled, upon like notice and payment of an exchange fee, to exchange all or a portion of such Class for proportionate interests in the related Classes of REMIC Securities or, in some cases, other related MX Classes. Each MX Security will represent a proportionate beneficial ownership interest in, and will entitle the Holder thereof to receive a proportionate share of the distributions on, the related Classes of REMIC Securities. See "Description of the Securities-Modification and Exchange" in this Supplement. Schedule II to this Supplement sets forth the available combinations of the Classes of REMIC Securities and the related MX Classes.
Increased Minimum Denomination Classes: Each REMIC Class that is an Interest Only Security, Principal Only Security or Inverse Floating Rate Security, each Class of Group 1 Securities and each MX Class.

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

The Floating Rate Class and the Inverse Floating Rate Classes will bear interest at per annum rates based on the Ten Year Treasury Index (hereafter referred to as the "Treasury Index") or one-month LIBOR (hereafter referred to as "LIBOR") as follows:

| Class | Interest Rate Formula |  |  |  |  | $\begin{gathered} \text { Initial } \\ \text { Interest Rate* } \end{gathered}$ | $\underset{\text { Rate }}{\text { Minimum }}$ | Maximum Rate | $\begin{aligned} & \text { Delay } \\ & \text { (in days) } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| F | Treasury Index $+0.40 \%$ |  |  |  |  | 5.97800\% | 0.40\% | 8.500000\% | 25 |
| $S$ and SC+ | 37.8\% - (Treasury Index $\times 4.6666667$ ) |  |  |  |  | $11.76933 \%$ | 0.00\% | 37.800000\% | 25 |
| SG and SH† | $38.840444 \%-($ LIBOR $\times 6.214471)$ |  |  |  |  | 3.10724\%** | 0.00\% | 19.420222\% | 0 |
|  |  | 7.33333\% - | (LIBOR | $\times 2.1666671$ |  | 4.875\%** | 0.00\% | 17.33333\% | 0 |
|  | If the Treasury Index is: |  |  |  |  |  |  |  |  |
|  | $\begin{aligned} & \text { 5.049\% } \\ & \text { and } \\ & \text { below } \\ & \hline \end{aligned}$ | $\begin{aligned} & 5.050 \% \\ & \text { through } \\ & 5.070 \% \end{aligned}$ | $\begin{aligned} & 5.071 \% \\ & \text { through } \\ & 6.629 \% \end{aligned}$ | $\begin{aligned} & \text { 6.630\% } \\ & \text { through } \\ & 6.650 \% \end{aligned}$ | $\begin{gathered} \hline 6.651 \% \\ \text { and } \\ \text { above } \\ \hline \end{gathered}$ |  |  |  |  |
| SD† and SE | 16.0\% | $\begin{array}{r} 2,541 \% \\ -(\text { Treasury } \\ \text { Index } \\ \times 500) \end{array}$ | $6.0 \%$ | $\begin{array}{r} 1,995 \% \\ -(\text { Treasury } \\ \text { Index } \\ \times 300) \end{array}$ | 0.0\% | 6.0\% | 0.00\% | 16.0\% | 25 |

* The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter
** The initial interest rates for these Classes are assumed rates. The actual initial interest rates for these Classes will be calculated on the basis of the applicable formulas for the calculation of such interest rates on the Floating Rate Adjustment Date occurring on April 23, 1998.
$\dagger$ MX Class.
Allocation of Principal: On each Distribution Date for a Security Group the following distributions will be made to the related Securities:

29,000/150,029,000 of the Group 1 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining $150,000,000 / 150,029,000$ of the Group 1 Principal Distribution Amount (the "Group 1 Adjusted Principal Distribution Amount") and the Accrual Amount (as defined below) will be allocated as follows:

- The Accrual Amount to A, until retired, then to Z, without regard to its Scheduled Principal Balances
- The Group 1 Adjusted Principal Distribution Amount in the following order of priority:
$\underset{\substack{\text { Security } \\ \text { Group } 1}}{ }\left\{\begin{array}{l}\text { 1. To } A \text { and } Z \text {, in that order, until reduced to their Scheduled Principal Balances } \\ \text { for that Distribution Date }\end{array}\right.$ 2. To A and $Z$, pro rata, based on their then outstanding principal balances, without regard to their Scheduled Principal Balances, until retired

3. To B, until retired

- $56,000 / 167,180,158$ of the Group 2 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining 167,124,158/167,180,158 of the Group 2 Principal Distribution Amount (the "Group 2 Adjusted Principal Distribution Amount" | will be allocated to F and S, pro rata, until retired
- $10,000 / 8,368,831$ of the Group 3 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining $8,358,831 / 8,368,831$ of the

Group 3 Principal Distribution Amount (the "Group 3 Adjusted Principal Distribution Amount" $\mid$ will be allocated concurrently, as follows:

1. To C, all of the Group 3 Adjusted Principal Distribution Amount attributable to FN 1993-G36 FA and FN 1993-G36 SA, and $6.0204577147 \%$ of the Group 3 Adjusted Principal Distribution Amount attributable to FN 1993-36 SB (the "Class C Principal Distribution Amount"), until retired
2. To SA, the excess of the Group 3 Adjusted Principal Distribution Amount over the Class C Principal Distribution Amount, until retired.

- 12,000/21,000,000 of the Group 4 Principal Distribution Amount (as defined below/ will be applied to the Trustee Fee, and the remaining 20,988,000/21,000,000 of the Group 4 Principal Distribution Amount (the "Group 4 Adjusted Principal Distribution Amount" ${ }^{\text {I }}$ will be allocated to E and PE pro rata, until retired
- $1,000 / 2,925,385$ of the Group 5 Principal Distribution Amount (as defined below) will be applied to the Trustee Fee, and the remaining $2,924,385 / 2,925,385$ of the Group 5 Principal Distribution Amount (the "Group 5 Adjusted Principal Distribution Amount") will be allocated to PG, until retired.
As to any Distribution Date, the "Group 1 Principal Distribution Amount," "Group 2 Principal Distribution Amount," "Group 3 Principal Distribution Amount," "Group 4 Principal Distribution Amount" and "Group 5 Principal Distribution Amount" mean that portion of the Principal Distribution Amount for such date attributable to the Group 1, Group 2, Group 3, Group 4 and Group 5 Trust Assets, respectively.
Accrual Class: Class Z is an Accrual Class. Interest will accrue on the Accrual Class at the per annum rate set forth on the cover page of this Supplement. However, no interest will be distributed thereon 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."
MX Classes: On any Distribution Date when distributions of principal are to be allocated from REMIC Securities to MX Securities (or from MX Securities to other MX Securities), such distributions will be allocated from the applicable Classes of REMIC Securities to the related MX Classes (or from the applicable Classes of MX Securities to the related MX Classes).
Notional Classes: The Notional Classes will not receive distributions of principal but have Class Notional Balances for convenience in describing their entitlement 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 Balance indicated:

| Class | Notional Balance | Represents Approximately |
| :---: | :---: | :---: |
| IO干. | \$167,124,158 | 100\% of EA (PT/SC Class) |
| SC干 . | 29,492,498 | 100\% of S (STP/SC Class) |
| SB $\dagger$ | 6,810,868 | 100\% of SA (SEQ/SC Class) |
| SE | 14,991,429 | 99.8755172679\% of PE (STP/SC Class) |
| SG | 2,924,385 | 100\% of PG (PT/SC Class) |

Structuring Rate. The Scheduled Classes were structured using the following Structuring Rate:

| Class |  |
| :--- | :--- |
| Scheduled . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | $\quad 190 \%$ PSA |

The Effective Range or Rate for a Class may differ from its Structuring Rate. The initial Effective Range or Rate for each Scheduled Class is set forth under "Risk Factors-Class Investment Considerations-Scheduled Classes" in this Supplement.

Scheduled Principal Balances: The Scheduled Principal Balances for each Scheduled Class are included as Schedule I to this Supplement.
Weighted Average Lives (in years) *:

| Class | Redemption in October 1998 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | PSA Prepayment Assumption Rates |  |  |  |  |
| Security Group 1 | 0\% | 100\% | 190\% | 300\% | 500\% |
| A | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 |
| B | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Z | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 |

## Security Group 1

A

| Redemption in April 2003 |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: |
| PSA Prepayment Assumption Rates |  |  |  |  |
| $\underline{\mathbf{0 \%}}$ | $\underline{\mathbf{1 0 0 0} \%}$ | $\underline{\mathbf{1 0 0 \%}}$ | $\underline{\mathbf{3 0 0 \%}}$ | $\underline{\mathbf{5 0 0 \%}}$ |
| 4.8 | 4.0 | 3.5 | 2.9 | 2.0 |
| 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 5.0 | 5.0 | 3.5 | 3.3 | 2.3 |



| 5.0 | 5.0 | 3.5 | 3.3 | 2.3 |
| :--- | :--- | :--- | :--- | :--- |

## Security Group 1

A

| PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | ---: | ---: | ---: | ---: |
| $\underline{\mathbf{0 \%}}$ | $\underline{100 \%}$ | $\underline{190 \%}$ | $\mathbf{3 0 0 \%}$ | $\underline{500 \%}$ |
| 17.9 | 8.1 | 5.5 | 3.6 | 2.1 |
| 29.4 | 24.8 | 20.4 | 15.0 | 9.1 |
| 28.0 | 20.7 | 5.5 | 4.4 | 2.3 |

## Security Group 2

| PSA Prepayment Assumption Rates |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| $\underline{0 \%}$ | $\underline{100 \%}$ | $\underline{175 \%}$ | $\underline{300 \%}$ | $\underline{500 \%}$ |



| 23.7 20.0 16.1 6.7 1.0 <br> PSA Prepayment Assumption Rates     |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| $\underline{\mathbf{0 \%}}$ | $\underline{100 \%}$ | $\underline{175 \%}$ | $\frac{300 \%}{12.2}$ | $\frac{500 \%}{0.7}$ |
| 23.4 | 19.2 | 12.2 | 2.1 | 0.7 |
| 24.1 | 21.8 | 17.1 | 3.1 | 1.0 |


| 23.7 | 20.0 | 16.1 | 6.7 | 1.0 |
| :---: | :---: | :---: | :---: | :---: |
| PSA Prepayment Assumption Rates |  |  |  |  |
| 0\% | 100\% | 175\% | 300\% | 500\% |
| 23.4 | 19.2 | 12.2 | 2.1 | 0.7 |
| 24.1 | 21.8 | 17.1 | 3.1 | 1.0 |


| PSA Prepayment Assumption Rates |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 0\% | 100\% | 175\% | 300\% | 500\% |
| 10.9 | 3.5 | 3.4 | 3.4 | 2.7 |
| PSA Prepayment Assumption Rates |  |  |  |  |
| 0\% | 100\% | 175\% | 300\% | 500\% |
| 21.9 | 11.8 | 1.5 | 1.2 | 0.9 |

Security Group 5
PG, SG**, and SH $\dagger \ldots \ldots \ldots \ldots \ldots \ldots \ldots \ldots$..

| Security Group 4 <br> E, PE, SE** and SD干 |
| :---: |
|  |  |

[^19]Tax Status: Separate REMIC elections will be made as to the Underlying Callable Securities and the Trust Assets other than the Underlying Callable Securities (each a "Trust REMIC"). See "Certain Federal Income Tax Consequences" in this Supplement and in the Base Offering Circular.
Regular and Residual Classes: Class RR is a Residual Class and includes the Residual Interests of each Trust REMIC; all other Classes of REMIC Securities are Regular Classes.

Suitability: The Securities of any Class may not be suitable investments for all investors. The Sponsor intends to make a market for the Securities but is not obligated to do so. There can be no assurance that such a secondary market will develop or, if developed, that it will continue. Thus, investors may not be able to sell their Securities readily or at prices that will enable them to realize their anticipated yield. The market values of the Securities are likely to fluctuate. The fluctuations may be significant and could result in significant losses to investors. No investor should purchase Securities of any Class unless the investor understands and is able to bear (i) the prepayment, yield and, in the case of Group 1 Securities, redemption risks associated with that Class and (ii) the risk that the value of such Securities will fluctuate over time and that such Securities may not be readily salable. Each investor is urged to consult with its investment advisor regarding whether the Securities are an appropriate investment for such investor.

# $\$ 680,000,000$ Federal National Mortgage Association FannieMae 

## Guaranteed REMIC Pass－Through Certificates Fannie Mae REMIC Trust 1993－G32

The Cumanted RDMIC Pass－Thruxth Certificates offered heroby（the＂Cerificates＂）will repuesent beneficial ownership interests in one of two
 ［he asgeta or the Trust will consigt of the＂regnlas interests＂in a separate trual fund（the＂Lower＇Tier ReMAC＂）．＇I＇he asseln of the I．ower Tier RFMIC＇will consist of＂Eully modified pass－through＂morteage－backed becurities（＂CNMA Certificates＂）gananteed ais to timely payment of principal and interest by



 accompanying this Prospectus Supplement．


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 OF EANNIE MAE UNDER ITS GUARANTY OF THE CERTIFICATES ARE ObliGattong golgry of fannie mae ant po Not CONSTITUTE AN OBITGATION OF THE UNTTED STATES OR ANY AGENCY OR INSIRUMENTALITY THEREOF OTHER THAN FANNLE MAE．THL CERTLEICATES ARE EXHMPT FROM THE REGISTRATION REOUIREMENTS OF THE SECURITIES ACT OF 1933 AND ARE＂EXEMPTED SECURTJIES＂WTTHIN THE MEANTNG OF THE SECURTIES EXCHANGE ACT OF 1934．

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| $\mathrm{Pr}_{\mathrm{H}} \ldots \ldots \ldots$ |  | 69，396，800 | PAC | $6.50 \%$ | Fix | Noventber 2023 | F | 147，3i8／000 | STF | （1） | H2T | Septeuber 2cxa |
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 varying prices to be determinat at the time ol sale．

 to appyoval of certain legal matters by counsel．It is expected that the Cortificatas，except for the R and RL Clasjeg，will be avaitable throush the lwok－entry
 certificated lom will be availatle for delivery at the oflizen of the Dealer， 110 Broadway，New York，New York Joovs，an of about the Selk｜eljent Dite．

## Donaldson，Lufkin \＆Jenrette <br> Securities Corparation

The date of this Prospectus Supplement is August 3， 1993

## DESCRIPTION OF THE CERTIFICATES

The following summaries describing certain provisions of the Certificates do not purport to be complete and are subject to, and are qualified in their entirety by reference to, the GNMA Prospectus and the provisions of the Trust Agreement (defined below). Capitalized terms used and not otherwise defined in this Prospectus Supplement have the respective meanings assigned to such terms in the GNMA Prospectus (including the Glossary contained therein) or the Trust Agreement (as the context may require).

## General

Structure. The Trust and the Lower Tier REMIC will be created pursuant to a trust agreement dated as of September 1, 1993 (the "Trust Agreement"), executed by the Federal National Mortgage Association ("Fannie Mae") in its corporate capacity and in its capacity as Trustee, and the Certificates in the Classes and aggregate original principal balances set forth on the cover hereof will be issued by Fannie Mae pursuant thereto. A description of Fannie Mae and its business, together with certain financial statements and other financial information, is contained in the Information Statement.

The Certificates (other than the K, R and RL Classes) and the K1 and K2 Components (which together comprise the K Class) will be designated as the "regular interests," and the R Class will be designated as the "residual interest," in the REMIC constituted by the Trust. The interests in the Lower Tier REMIC other than the RL Class (the "Lower Tier Regular Interests") will be designated as the "regular interests," and the RL Class will be designated as the "residual interest," in the Lower Tier REMIC.

The assets of the Trust will consist of the Lower Tier Regular Interests, and the Certificates, other than the RL Class, will evidence the entire beneficial ownership interest in the distributions of principal and interest on the Lower Tier Regular Interests.

The assets of the Lower Tier REMIC will consist of the GNMA Certificates, and the Lower Tier Regular Interests and the RL Class (collectively, the "Lower Tier Interests") will in the aggregate evidence the entire beneficial ownership interest in the distributions of principal and interest on the GNMA Certificates.

Fannie Mae Guaranty. Pursuant to its guaranty of the Certificates, Fannie Mae will be obligated to distribute on a timely basis to the Holders of Certificates required installments of principal and interest and to distribute the principal balance of each Class of Certificates in full no later than the applicable Final Distribution Date, whether or not sufficient funds are available in the GNMA Account. The obligations of Fannie Mae under its guaranty of the Certificates are not backed by the full faith and credit of the United States. See "Description of the CertificatesFannie Mae's Guaranty" in the GNMA Prospectus.

Characteristics of Certificates. The Certificates, other than the R and RL Certificates, will be issued and maintained and may be transferred by Holders only on the book-entry system of the Federal Reserve Banks. Such entities whose names appear on the book-entry records of a Federal Reserve Bank as the entities for whose accounts such Certificates have been deposited are herein referred to as "Holders" or "Certificateholders." A Holder is not necessarily the beneficial owner of a book-entry Certificate. Beneficial owners will ordinarily hold book-entry Certificates through one or more financial intermediaries, such as banks, brokerage firms and securities clearing organizations. See "Description of the Certificates-Denominations, Book-Entry Form" in the GNMA Prospectus.

The $R$ and RL Certificates will not be issued in book-entry form but will be issued in fully registered, certificated form. As to the R or RL Certificate, "Holder" or "Certificateholder" refers
to the registered owner thereof. The R and RL Certificates will be transferable and, if applicable, exchangeable at the corporate trust office of the Transfer Agent, or at the agency of the Transfer Agent in New York, New York. The Transfer Agent initially will be State Street Bank and Trust Company in Boston, Massachusetts ("State Street"). A service charge may be imposed for any registration of transfer or, if applicable, exchange of any R or RL Certificate and Fannie Mae may require payment of a sum sufficient to cover any tax or other governmental charge. See also "Characteristics of the R and RL Classes" herein.

The distribution to the Holder of the R or RL Certificate of the proceeds of any remaining assets of the Trust or the Lower Tier REMIC, as applicable, will be made only upon presentation and surrender of the related Certificate at the office of the Paying Agent. The Paying Agent initially will be State Street.

Notional Class and Component. The SE Class will be a Notional Class and the K2 Component will be a Notional Component. A Notional Class or Component will have no principal balance and will bear interest at the per annum interest rate set forth on the cover or described herein during each Interest Accrual Period on the related notional principal balance. The notional principal balance of each Notional Class and Component will be equal to the indicated percentages of the outstanding principal balances of the following Classes immediately prior to the related Distribution Date:

| Class or Component | Percentage of Principal Balance of Specified Class |
| :---: | :---: |
| K2 | 10.7142857143\% of PG Class |
|  | 7.1428571428\% of PH Class |
|  | $3.5714285714 \%$ of PJ Class |
|  | $3.5714285714 \%$ of PZ Class |
|  | $3.5714285714 \%$ of G Class |
|  | $3.5714285714 \%$ of H Class |
|  | $3.5714285714 \%$ of J Class |
|  | $3.5714285714 \%$ of PK Class |
| SE | $100 \%$ of FE Class |

The notional principal balance of a Notional Class or Component is used for purposes of the determination of interest distributions thereon and does not represent an interest in the principal distributions of the GNMA Certificates or the underlying Mortgage Loans. Although a Notional Class will not have a principal balance, a REMIC Trust Factor (as described herein) will be published with respect to any such Class that will be applicable to the notional principal balance thereof, and references herein to the principal balances of the Classes or Components generally shall be deemed to refer also to the notional principal balance of any Notional Class or Component.

Components. For purposes of calculating payments of principal and interest, the K and FE Classes will be comprised of multiple payment components having the designations, original principal balances and interest rates set forth below:

| Designation | Original Principal Balance | Interest Rate |
| :---: | :---: | :---: |
| K1 Componen | \$17,380,000 | (1) |
| K2 Component | (2) | 7.0\% |
| FE1 Component | 81,570,400 | (3) |
| FE2 Component | 12,860,089 | (3) |
| (1) The K1 Component is a Principal Only Component and will bear no interest. |  |  |
| (2) The K2 Component is a Notional Component, will have no principal balance and will bear interest on its notional principal balance, calculated as described under "-Notional Class and Component" above. |  |  |
| (3) The FE1 and FE2 with respect to the | ances at the rate describ Inverse Floating Rate | ed herein lasses." |

Authorized Denominations. The Certificates, other than the R and RL Certificates, will be issued in minimum denominations of $\$ 1,000$ and integral multiples of $\$ 1$ in excess thereof. Each of the R and RL Classes will be issued as a single certificate and will not have a principal balance.

Distribution Dates. Distributions on the Certificates will be made on the 25 th day of each month (or, if such 25th day is not a business day, on the first business day next succeeding such 25th day), commencing in the month following the Settlement Date.

Calculation of Distributions. Interest on the interest-bearing Certificates is calculated on the basis of a 360 -day year consisting of twelve 30 -day months and is distributable monthly on each Distribution Date, commencing (except with respect to the Accrual Classes, if any) in the month after the Settlement Date. Interest to be distributed or, in the case of any Accrual Classes, added to principal on each interest-bearing Certificate on a Distribution Date will consist of one month's interest on the outstanding principal balance of such Certificate immediately prior to such Distribution Date. Interest to be distributed or, in the case of any Accrual Classes, added to principal on a Distribution Date will accrue on the interest-bearing Certificates during the one month periods set forth herein under "Distributions of Interest-Interest Accrual Periods." Principal on the Certificates will be distributed on each Distribution Date in an amount equal to the sum of (i) the aggregate distributions of principal of the GNMA Certificates, calculated as provided herein, for the month of such Distribution Date, and the distributions of principal of the GNMA Certificates received during the month prior to the month of such Distribution Date to the extent not distributed previously and (ii) any interest accrued and added on such Distribution Date to the principal balances of the Accrual Classes, if any. See "Distributions of Principal" herein.

Record Date. Each monthly distribution on the Certificates will be made to Holders of record on the last day of the preceding month.

REMIC Trust Factors. As soon as practicable following the eleventh calendar day of each month, Fannie Mae will publish or otherwise make available for each Class of Certificates the factor (carried to eight decimal places) which, when multiplied by the original principal balance of a Certificate of such Class, will equal the remaining principal balance of such Certificate after giving effect to the distribution of principal to be made on the following Distribution Date and any interest to be added as principal to the principal balance of any Accrual Class on such Distribution Date.

Liquid Asset. The G Class is intended to qualify as a "liquid asset" for purposes of the liquidity requirements applicable to federal savings associations, federal savings banks and statechartered associations whose deposits are insured by the Federal Deposit Insurance Corporation.

## The GNMA Certificates

The GNMA Certificates underlying the Certificates will have the aggregate unpaid principal balance and Pass-Through Rate set forth below and the general characteristics described in the GNMA Prospectus. At least $99 \%$ of the principal balance of the GNMA Certificates will be GNMA I Certificates. See "GNMA and the GNMA Programs" in the GNMA Prospectus. The characteristics of the GNMA Certificates and Mortgage Loans as of September 1, 1993 (the "Issue Date") are expected to be as follows:

Aggregate Unpaid Principal Balance
GNMA Pass-Through Rate
Range of remaining terms to maturity of latest maturing Mortgage Loan underlying each of the GNMA Certificates .
Approximate weighted average of such remaining terms to maturity
\$680,000,000
7.00\%

180 months to 360 months
359 months

Following the issuance of the Certificates, Fannie Mae will prepare a Final Data Statement setting forth for each GNMA Certificate, among other things, the Pool number, the original unpaid principal balance, the unpaid principal balance as of the Issue Date, and the remaining term to maturity of the latest maturing Mortgage Loan underlying such GNMA Certificate as of the Issue Date. The Final Data Statement will not accompany this Prospectus Supplement but will be made available by Fannie Mae. To request the Final Data Statement, telephone Fannie Mae at 1-800-BESTMBS or 202-752-6547. The contents of the Final Data Statement and other data specific to the Certificates are available in electronic form by calling Fannie Mae at 1-800-752-6440 or 202-752-6000.

## Distributions of Interest

## Categories of Classes and Components

For the purpose of payments of interest, the Classes and Components will be categorized as follows:

| Interest Type* | Classes and Components |
| :--- | :--- |
| Fixed Rate | PA, PB, PC, PD, PE, PG, PH, PJ, PZ, G, H, J, |
|  | PK and K2 |
| Floating Rate | F, FA and FE |
| Inverse Floating Rate | S, SA, SB, SC, SD and SE |
| Interest Only | S, SE and K2 |
| Principal Only | A, B, C, D, E and K1 |
| Accrual | PZ |
| No Payment Residual | R and RL |

* See "Description of the Certificates-Class Definitions and Abbreviations" in the GNMA Prospectus.

General. The interest-bearing Certificates will bear interest at the respective per annum interest rates set forth on the cover or described herein. Interest on the interest-bearing Certificates is calculated on the basis of a 360-day year consisting of twelve 30-day months and is distributable monthly on each Distribution Date, commencing (except with respect to any Accrual Classes) in the month after the Settlement Date. Interest to be distributed or, in the case of any Accrual Classes, added to principal on each interest-bearing Certificate on a Distribution Date will consist of one month's interest on the outstanding principal balance of such Certificate immediately prior to such Distribution Date.

Interest Accrual Periods. Interest to be distributed or added to principal on a Distribution Date will accrue on the interest-bearing Certificates during the one-month periods set forth below (each, an "Interest Accrual Period").

## Classes

F, S, FE and SE (collectively, the "No Delay Classes")

## All other interest-bearing Classes

 (collectively, the "Delay Classes")
## Interest Accrual Period

One month period beginning on the 25 th day of the month preceding the month of the Distribution Date and ending on the 24th day of the month of the Distribution Date
Calendar month preceding the month in which the Distribution Date occurs

See "Yield Considerations" herein.
Accrual Class. The PZ Class is an Accrual Class. Interest will accrue on the Accrual Class at the per annum rate set forth on the cover hereof. However, such interest will not be distributed until the Distribution Date following the Distribution Date on which the principal balance of the J

Class has been reduced to zero. Interest so accrued and unpaid on the Accrual Class will be added as principal to the principal balance thereof on each Distribution Date. Distributions of principal of the Accrual Class will be distributed as described herein.

Floating Rate and Inverse Floating Rate Classes. Each of the following Classes will bear interest during its initial Interest Accrual Period at the Initial Interest Rate set forth below, and will bear interest during each Interest Accrual Period thereafter, subject to the applicable Maximum and Minimum Interest Rates, at the rate determined as described below:

| Class | Initial <br> Interest <br> Rate |  | Maximum <br> Interest <br> Rate |  | Minimum <br> Interest <br> Rate |  |
| :--- | ---: | ---: | ---: | ---: | :---: | :---: |

* The FE and SE Classes will each bear interest during their initial twelve Interest Accrual Periods ending September 24, 1994 at the Initial Interest Rates set forth in the table.

The yields with respect to such Classes will be affected by changes in the applicable index as set forth in the table above (each, an "Index"), which changes may not correlate with changes in mortgage interest rates. It is possible that lower mortgage interest rates could occur concurrently with an increase in the level of an Index. Conversely, higher mortgage interest rates could occur concurrently with a decrease in the level of an Index.

Each Index value will be established as described herein by Fannie Mae two business days prior to the commencement of the related Interest Accrual Period. The establishment of each Index value by Fannie Mae and Fannie Mae's determination of the rate of interest for the applicable Classes for the related Interest Accrual Period shall (in the absence of manifest error) be final and binding. Each such rate of interest may be obtained by telephoning Fannie Mae at 1-800-BESTMBS or 202-752-6547.

## Calculation of LIBOR

On each LIBOR Determination Date, until the principal balances of the F, S, FE and SE Classes (the "LIBOR Classes") have been reduced to zero, Fannie Mae will establish LIBOR for the related Interest Accrual Period in the manner described in the GNMA Prospectus under "Description of the Certificates-Indices Applicable to Floating Rate and Inverse Floating Rate Classes-LIBOR."

If on the initial LIBOR Determination Date, Fannie Mae is unable to determine LIBOR in the manner specified in the GNMA Prospectus, LIBOR for the next succeeding Interest Accrual Period will be $3.1875 \%$.

## Calculation of Prime Rate

On each Prime Rate Determination Date, until the principal balances of the FA, SA, SB, SC and SD Classes (the "Prime Rate Classes") have been reduced to zero, Fannie Mae will ascertain the Prime Rate for the related Interest Accrual Period in the manner specified in the REMIC Prospectus under "Description of the Certificates-Indices Applicable to Floating Rate and Inverse Floating Rate Classes-Prime Rate."

## Distributions of Principal

Categories of Classes and Components
For the purpose of payments of principal, the Classes and Components will be categorized as follows:

Principal Type*
PAC I
PAC II
Scheduled
Notional
Accretion Directed
Support
Component
Liquid Asset
Strip
No Payment Residual

Classes and Components
A, B, K1, PA, PB, PC, PD, PE, PG, PH, PJ, PZ, PK and FE1
E and FE2
C
SE and K2
G, H and J
D, $\mathrm{FA}, \mathrm{SA}, \mathrm{SB}, \mathrm{SC}$ and SD
K and FE
G
F and $S$
R and RL

* See "Description of the Certificates-Class Definitions and Abbreviations" in the GNMA Prospectus.


## Principal Distribution Amount

On or about the fifth business day of each month, Fannie Mae will aggregate the amount of principal reported to be receivable on the GNMA I Certificates during such month on the basis of published GNMA factors for such month. For any GNMA I Certificate for which a factor is not available at such time and for any GNMA II Certificates (which GNMA II Certificates originally may comprise up to $1 \%$ of the Lower Tier REMIC), Fannie Mae will calculate the amount of scheduled payments of principal distributable in respect of such GNMA Certificates during such month on the basis of the assumed amortization schedules of the underlying Mortgage Loans. The amortization schedules will be prepared on the assumptions that: (i) each of the Mortgage Loans underlying a single GNMA Certificate amortizes on a level installment basis, had an original term to maturity of 360 months and has a remaining term to maturity equal to the remaining term to maturity of the latest maturing Mortgage Loan underlying such GNMA Certificate at the origination of such GNMA Certificate, adjusted to the Issue Date; (ii) each Mortgage Loan underlying a GNMA I Certificate bears an interest rate of $7.50 \%$ per annum; and (iii) each Mortgage Loan underlying a GNMA II Certificate bears an interest rate of $8.50 \%$ per annum. All such amounts, whether reported in GNMA factors or calculated by Fannie Mae, will be reflected in the REMIC Trust Factors for the Distribution Date in such month and will be distributed to Holders of Certificates on such Distribution Date, whether or not received. There will also be reflected in such REMIC Trust Factors and distributable as principal on such Distribution Date the excess of (a) the distributions of principal of the GNMA Certificates received during the month prior to the month of such Distribution Date over (b) the amounts of principal calculated as distributable previously in accordance with the GNMA factors and the assumed amortization schedules specified above.

Principal will be distributed monthly on the Certificates in an amount (the "Principal Distribution Amount") equal to the sum of (i) the aggregate distributions of principal of the GNMA Certificates, calculated as described above, for the month of such Distribution Date and the distributions of principal of the GNMA Certificates received during the month prior to the month of such Distribution Date to the extent not previously distributed (the "Cash Flow Distribution Amount") and (ii) any interest accrued and added on such Distribution Date to the principal balance of the Accrual Class (the "Accrual Amount").

## Accrual Amount

On each Distribution Date, the Accrual Amount, if any, will be distributed, sequentially, as principal of the G, H and J Classes, in that order, until the respective principal balances thereof are reduced to zero, and thereafter to the PZ Class without regard to its Planned Balance.

## Accretion Directed <br> and <br> Accrual <br> Classes

## Cash Flow Distribution Amount

(a) On each Distribution Date, an amount equal to $21.8317647059 \%$ of the Cash Flow Distribution Amount will be distributed, concurrently, as principal of the F and S Classes, in proportion to their original principal balances (or $99.2671229186 \%$ and $0.7328770814 \%$, respectively), until the principal balances thereof are reduced to zero.
(b) On each Distribution Date, an amount equal to $7.58 \%$ of the Cash Flow Distribution Amount will be distributed as principal of the A, B, C and D Classes and the K1 Component in the following order of priority:
(i) to the A Class, until the principal balance thereof is reduced to its Planned Balance for such Distribution Date;
(ii) concurrently, to the B Class and the K1 Component, in proportion to their original principal balances (or $36.2879870963 \%$ and $63.7120129037 \%$, respectively), until the principal balances thereof are reduced to their respective Planned Balances for such Distribution Date;
(iii) to the C Class, until the principal balance thereof is reduced to its Scheduled Balance for such Distribution Date;
(iv) to the D Class, until the principal balance thereof is reduced to zero;
(v) concurrently, to the B Class and the K1 Component, in the proportions set forth in clause (b)(ii) above, without regard to their Planned Balances and until the principal balances thereof are reduced to zero;
(vi) to the C Class, without regard to its Scheduled Balance and until the principal balance thereof is reduced to zero; and
(vii) to the A Class, without regard to its Planned Balance and until the principal balance thereof is reduced to zero.
(c) On each Distribution Date, an amount equal to $70.5882352941 \%$ of the Cash Flow Distribution Amount will be distributed as principal of the Classes and Components specified below, in the following order of priority:
(i) to the FE1 Component and the PA, PB, PC, PD and PE Classes, as follows, until the principal balances thereof are reduced to their respective Planned Balances for such Distribution Date:
(A) $50 \%$ to the FE1 Component; and
(B) $50 \%$, sequentially, to the PA, PB, PC, PD and PE Classes, in that order;
(ii) sequentially, to the PG, PH and PJ Classes, in that order, until the principal balances thereof are reduced to their respective Planned Balances for such Distribution Date;
(iii) concurrently, to the PZ and PK Classes, in the proportions of $95.1889433163 \%$ and $4.8110566837 \%$, respectively, until the principal balances thereof are reduced to their respective Planned Balances for such Distribution Date;
(iv) concurrently, to the FE2 Component and the E Class, in proportion to their original principal balances (or $77.7777784498 \%$ and $22.2222215502 \%$, respectively), until the principal balances thereof are reduced to their respective Planned Balances for such Distribution Date;
(v) concurrently, to the FA, SA, SB, SC and SD Classes, in proportion to their original principal balances (or $69.9995711774 \%, 8.2083791935 \%, 10.5418888206 \%$, $4.4694035078 \%$ and $6.7807573007 \%$, respectively), until the principal balances thereof are reduced to zero;
(vi) concurrently, to the FE2 Component and the E Class, in the proportions set forth in clause (c)(iv) above, without regard to their Planned Balances and until the principal balances thereof are reduced to zero;
$\left\{\begin{array}{l}\begin{array}{l}\text { PAC II } \\ \text { Class } \\ \text { and } \\ \text { Component }\end{array} \\ \\ \begin{array}{l}\text { Support } \\ \text { Classes }\end{array} \\ \begin{array}{l}\text { PAC II } \\ \text { Class } \\ \text { and } \\ \text { Component }\end{array}\end{array}\right.$
(vii) to the G, H, J, PZ and PK Classes, as follows, without regard to the Planned Balances and until the respective principal balances thereof are reduced to zero:
(A) $95.1889433163 \%$, sequentially, to the G, H, J and PZ Classes, in that order; and
(B) $4.8110566837 \%$ to the PK Class;
(viii) sequentially, to the PG, PH and PJ Classes, in that order, without regard to their Planned Balances and until the respective principal balances thereof are reduced to zero; and
(ix) to the FE1 Component and the PA, PB, PC, PD and PE Classes, in the order and proportions set forth in clause (c)(i) above, without regard to their Planned Balances and until the respective principal balances thereof are reduced to zero.

## Structuring Assumptions

Pricing Assumptions. Unless otherwise specified, the information in the tables in this Prospectus Supplement has been prepared on the basis of the following assumptions (the "Pricing Assumptions"):

- all payments (including prepayments) on the Mortgage Loans underlying the GNMA Certificates are distributed on the Certificates in the month in which such payments are received;
- each Mortgage Loan bears interest at a rate of $7.50 \%$ per annum and has an original term to maturity of 360 months and a remaining term to maturity of 359 months;
- the Mortgage Loans prepay at the constant percentages of PSA specified in the related table;
- the closing date for the sale of the Certificates is the Settlement Date; and
- the first Distribution Date for the Certificates occurs in the month following the Settlement Date.

PSA Assumptions. Prepayments of mortgage loans commonly are measured relative to a prepayment standard or model. The model used in this Prospectus Supplement is the Public Securities Association's standard prepayment model ("PSA"). To assume a specified rate of PSA (for example, $150 \% \mathrm{PSA}$ ) is to assume a specified rate of prepayment each month of the then outstanding principal balance of a pool of new mortgage loans computed as described under "Description of the Certificates-Prepayment Considerations and Risks" in the GNMA Prospectus. There is no assurance that prepayments will occur at any PSA rate or at any other constant rate.

The Principal Balance Schedules have been prepared on the basis of the Pricing Assumptions and the assumption that the Mortgage Loans prepay at the approximate constant levels set forth in the following table.

| Principal Balance Schedule References | Related Classes and Components | PSA Levels |
| :---: | :---: | :---: |
| Planned Balances | A, B and K1 | Between $80 \%$ and $225 \%$ |
| Planned Balances | PA, PB, PC, PD, PE, PG, PH, <br> PJ, PZ, PK and FE1 | Between 95\% and $220 \%$ |
| Planned Balances | E and FE2 | Between 110\% and 200\% |
| Scheduled Balance | C | Between $130 \%$ and $150 \%$ |

There is no assurance that the principal balances of the Classes or Components listed above will conform on any Distribution Date to the applicable balances specified for such Distribution Date in the Principal Balance Schedules below, or that distributions of principal on the related Classes or Components will begin or end on the respective Distribution Dates specified therein. Because any excess of the principal available for distribution on any Distribution Date over the amount necessary to reduce the principal balances of the applicable Classes or Components to their respective scheduled balances will be distributed, the ability to so reduce the principal balances of such Classes or Components will not be enhanced by the averaging of high and low principal payments. In addition, even if prepayments remain within the ranges specified above, the principal available for distribution may be insufficient to reduce the applicable Classes or Components to such respective balances, if prepayments do not occur at a constant PSA rate. Moreover, because of the diverse remaining terms to maturity of the Mortgage Loans (which may include recently originated Mortgage Loans), the Classes or Components specified above may not be reduced to their respective scheduled amounts, even if prepayments occur at a constant level within the ranges specified above.
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\$1,225,254,299

Government National
Mortgage Association

## GINNIE MAE ${ }^{\circledR}$

Guaranteed REMIC
Pass-Through Securities
and MX Securities
Ginnie Mae REMIC Trust 2001-57

OFFERING CIRCULAR SUPPLEMENT
November 23, 2001

Salomon Smith Barney Inc.
The Williams Capital Group, L.P.


[^0]:    ${ }^{1}$ Information regarding the Underlying Certificates and the related Mortgage Loans is set forth in Exhibits A and B to this Supplement.

[^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
    ** Indicates that investors will suffer a loss of virtually all of their investment.

[^2]:    * 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.

[^3]:    * 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.

[^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.

[^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.

[^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) The amount shown for each MX Class represents the maximum Original Class Principal Balance of that Class, assuming it were to be issued on the Closing Date.
    (2) As defined under "Class Types" in Appendix I to the Base Offering Circular.
    (3) See "Yield, Maturity and Prepayment Considerations - Final Distribution Date" in this Supplement.

[^8]:    * The initial Interest Rate will be in effect during the first Accrual Period; the Interest Rate will adjust monthly thereafter.
    $\dagger$ MX Class

[^9]:    * Determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement.

    Prepayments will not occur at any assumed rate shown or at any other constant rate, and the actual
    Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.
    ** The information shown for the Notional Class is for illustrative purposes only
    $\dagger$ MX Class

[^10]:    * Determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or at any other constant rate, and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.
    $\dagger$ MX Class.
    ** The information shown for the Notional Class is for illustrative purposes only.

[^11]:    * Desermined as described under "Yield, Maturity and Prepayment Cunsiderations" in this Supplement. Prepayments wil] not ocelur at any assumed rate shown or at any other constant rates, and the Weighted Average Lives of any or all of the Classes are likely to differ from those shown perhapg significantly.
    * The jiformation shown for the Notlonal Class is for lllustrative burposes only.

[^12]:    * The Mortgage Luans underlying the GNMA Certificates may bear interest ar rates ranging from $7.5 \%$ to 8.5\% per annum.

[^13]:    * Determined as specified under "Description of the Certificates-Weighted Average Lives of the Certificates" in this prospectus supplement.

[^14]:    
    
    
    

    - MX゙ Class.

[^15]:    
    
     Clasices FC and SC .
     in part and to withdraw, ciuncel or ubdify the uffer without notice. It is expecter that the Regular securitics (or nodated Mix Securitiet) will be ready for
    
    

[^16]:    
     far the related REMIC Secutities．
     13／As defned under＂Class＂Yppes＂in Appendix 1 to the Base Oflering Circular．
    ｜4｜See＂Yield，Maturity and Prenayment Considerations－Final Disernhution 13a
     the actual Weighted Avcrage I．ives of the MX Classes are likely to ditter fromt these shown，jerhapes siguilicattity．
    
    
    B－99

[^17]:    * Determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement. Prepayments will not occur at any assumed rate shown or at any other constant rate and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.
    ** The information shown for each Notional Class is for illustrative purposes only.
    † MX Class.

[^18]:    * Information regarding the Underlying REMIC Certificates, and the related Mortgage Loans, is set forth in Exhibits A and B hereto. See "Risk Factors - Class Investment Considerations - The Group 2, Group 3, Group 4 and Group 5 Securities" for a discussion of the Underlying REMIC Certificates.

[^19]:    * Determined as described under "Yield, Maturity and Prepayment Considerations" in this Supplement, and, in the case of Security Group 1, on the assumption that a redemption of the Underlying Callable Securities occurs on the date indicated. Prepayments will not occur at any assumed rate shown or at any other constant rate, nor is it possible to predict the occurrence of a redemption, and the actual Weighted Average Lives of any or all of the Classes are likely to differ from those shown, perhaps significantly.
    ** The information shown for each Notional Class is for illustrative purposes only.
    $\dagger$ MX Class.

