## FANNIE MAE MONTHLY REPORTING DATA METHODOLOGY

 (UPDATED AS OF 11/10/2011)| Term | Location | Pool Type | Methodology |
| :---: | :---: | :---: | :---: |
| Accrual Rate | Main Page | ARM only | We will provide the weighted average of the rate at which the interest is calculated for a particular remittance date for an MBS pool. It is a weighted average of the following: the mortgage interest rate currently in effect under the terms of a mortgage note for each loan in the pool, less the lender's servicing fee and Fannie Mae's guaranty fee. |
| Change Date <br> Information ${ }^{1}$ - <br> \% of Security <br> Balance | Main Page | ARM only | We will provide the percentage of the pool (by the scheduled principal balance) that will have its next rate change on the listed dates. We calculate the percentage of a pool by adding the sum of each scheduled unpaid principal balance for each next rate change date category and dividing by the total scheduled unpaid principal balance. |
| Change Date Information ${ }^{1}$ Current WAC | Main Page | ARM only | We will provide the current weighted average coupon by each next rate change date of all the loans changing on that change date. |
| Change Date Information ${ }^{1}$ Gross Coupon High | Main Page | ARM only | We will provide the highest gross coupon of the loans by each next rate change date of all the loans changing on that change date. |
| Change Date Information ${ }^{1}$ MBS Margin | Main Page | ARM only | We will provide the weighted average MBS Margin by each next rate change date of all the loans changing on that change date. |
| Change Date Information ${ }^{1}$ - <br> MBS Margin <br> High | Main Page | ARM only | We will provide the highest MBS Margin by each next rate change date of all the loans changing on that change date. |
| Change Date Information ${ }^{1}$ - <br> MBS Margin <br> Low | Main Page | ARM only | We will provide the lowest MBS Margin by each next rate change date of all the loans changing on that change date. |
| Change Date Information ${ }^{1}$ WA PTR | Main Page | ARM only | We will provide the weighted average pass-through rate for the loans by each next rate change date of all the loans changing on that change date. |
| Change Date Information ${ }^{1}$ Gross Coupon Low | Main Page | ARM only | We will provide the lowest gross coupon of the loans by each next rate change date of all the loans changing on that change date. |
| Change Date <br> Information ${ }^{1}$ - <br> Next Rate <br> Change Date | Main Page | ARM only | We will provide the next date on which the interest rate for a group of loans (or a loan if the group for that date is composed of one loan) in the pool will change. |
| Convertible Flag | Main Page | ARM only | We will indicate if the loans in the pool have an option that allows the borrower to convert an adjustable interest rate to a fixed interest rate during a conversion window. |
| Current Factor | Main Page | All Pools | We will provide the current balance of the pool expressed as a percentage (decimal) of the original face amount of the pool. |
| Current Interest Rates | At Issuance | ARM only | We will provide the number of loans and the aggregate issue date unpaid principal balance of all the loans in the pool by current interest rates at the time of issuance. |
| Deferred Interest Flag | Main Page | ARM only | We will indicate if loans in a pool can gradually increase in mortgage debt due to note terms that allow for reduced payment of principal and interest. |

[^0]| Term | Location | Pool Type | Methodology |
| :---: | :---: | :---: | :---: |
| Distribution of Loans by First Payment Date | At Issuance \& Current Information | ARM only | We will provide at-issuance the number of loans and the aggregate unpaid principal balance of all the loans in the pool by first payment date and original interest rate. On an on-going basis, we will provide the first payment date and original interest rate of all the outstanding loans in the pool. |
| First Payment Change Date | Main Page | ARM only | We will provide the earliest date on which a new payment amount is first due from the borrower on a loan in the pool. |
| First Rate Change Date | Main Page | ARM only | We will provide the earliest date on which a new interest rate will be in effect on a loan in the pool. |
| First Scheduled Amortization | At Issuance | Interest <br> Only <br> Pools | We will provide at-issuance information for interest-only pools stating the date of the first payment that includes scheduled principal, the number of loans as of such date, and the aggregate unpaid principal balance as of such date. |
| Geographic Distribution | At Issuance \& Current Information | All Pools | We will provide information regarding the geographic distribution by State of the mortgaged properties underlying the mortgage loans remaining in the pool. We will provide the State, the number of loans by State, the current aggregate unpaid principal balance of those loans, and the percentage of the pool's current unpaid principal balance that such loans constitute. |
| Gross Margins | At Issuance | ARM only | We will provide at-issuance information for adjustable-rate mortgage loans, stating the gross mortgage margin (as set forth in the mortgage note) and the number of mortgage loans having each such listed mortgage margin. We will also provide the aggregate dollar amount of these mortgage loans for each listed gross mortgage margin. |
| Interest-Only Distribution Information | Current Information | Interest <br> Only <br> Pools | We will provide on-going information for interest-only pools stating the number of months remaining in the interest-only period, the number of loans by such months, and the percent of unpaid principal balance by such months. |
| Issue Accrual Rate | Main Page | ARM only | We will provide the rate at which interest on the pool is calculated at issuance. |
| Loan Pass <br> Through Rate Information ${ }^{2}$ PTR Low | Main Page | ARM only | We will provide the lowest loan accrual rate by each next rate change date of all the loans changing on that change date. |
| Loan Pass <br> Through Rate <br> Information ${ }^{1}$ - <br> High Cap | Main Page | ARM only | We will provide the highest accrual rate ceiling by each next rate change date of all the loans changing on that change date. |
| Loan Pass <br> Through Rate <br> Information ${ }^{1}$ - <br> High Floor | Main Page | ARM only | We will provide the highest accrual rate floor by each next rate change date of all the loans changing on that change date. |
| Loan Pass <br> Through Rate <br> Information ${ }^{1}$ - <br> Low Cap | Main Page | ARM only | We will provide the lowest accrual rate ceiling by each next rate change date of all the loans changing on that change date. |
| Loan Pass <br> Through Rate <br> Information ${ }^{1}$ - <br> Low Floor | Main Page | ARM only | We will provide the lowest accrual rate floor by each next rate change date of all the loans changing on that change date. |
| Loan Pass <br> Through Rate <br> Information ${ }^{1}$ - <br> Next Rate <br> Change Date | Main Page | ARM only | We will provide the next rate change date for each loan in the pool. |

[^1]| Term | Location | Pool Type |  |
| :--- | :---: | :---: | :--- |
| Loan Pass <br> Through Rate <br> Information |  |  |  |
| PTR High |  |  |  |$\quad$| Main Page |
| :--- | ARM only | We will provide the highest loan accrual rate by each next rate change date of all the loans |
| :--- |
| changing on that change date. |


| Term | Location | Pool Type |  |
| :--- | :---: | :---: | :--- |
| $\begin{array}{l}\text { Origination } \\ \text { Type }\end{array}$ | $\begin{array}{c}\text { At Issuance } \\ \text { \& } \\ \text { Current } \\ \text { Information }\end{array}$ | SF Pools | $\begin{array}{l}\text { We will provide for pools issued on or after September 2007 information on the number of } \\ \text { mortgage loans that were originated as broker, lender correspondent or retail. We also will provide } \\ \text { the current dollar amount of these mortgage loans and the percentage of the current pool unpaid } \\ \text { principal balance that these loans constitute. We define these origination types as the following: } \\ \text { Broker: A person or firm that specializes in loan originations, receiving a commission to bring }\end{array}$ |
| together the borrower and a lender. The broker performs some (or most) of the loan processing |  |  |  |
| functions (such as taking loan applications; ordering credit reports, appraisals, and title reports; |  |  |  |
| verifying a borrower's income and employment; etc.), but typically does not actually underwrite |  |  |  |
| the mortgage, fund the mortgage at settlement, or service the mortgage. The mortgage is closed in |  |  |  |
| the name of the lender that commissioned the broker's services. |  |  |  |
| Correspondent: An organization that typically sells the mortgages it originates to other lenders |  |  |  |
| with which it has an ongoing relationship. It performs some (or all) of the loan processing |  |  |  |
| functions (such as taking loan applications; ordering credit reports, appraisals, and title reports; |  |  |  |
| verifying a borrower's income and employment; etc.), as well as underwriting and funding the |  |  |  |
| mortgage at settlement. The mortgage is closed in the correspondent's name. The correspondent |  |  |  |
| may or may not service the mortgage. |  |  |  |$\}$


| Term | Location | Pool Type | Methodology |
| :---: | :---: | :---: | :---: |
| Percent UPB With Interest Only | Main Page | All Pools | We will provide at issuance the percent of the aggregate issue date unpaid principal balance of mortgage loans in a pool that do not have their first scheduled principal payment due until the second due period following the issue date of the certificates. Certificateholders will receive no scheduled principal payment on the first distribution date (but will receive interest) with respect to that percentage of loans. |
| Percent UPB - <br> With Third <br> Party <br> Origination | Main Page | SF Pools | We will provide for pools issued on or after September 2007 the percent of the aggregate unpaid principal balance of mortgage loans in a pool that were originated by a third party. |
| Pool Issue Date | Main Page | All Pools | We will provide the date on which the pool was issued. |
| Pool Level PTR | Main Page | All Pools | We will provide the rate used to calculate the interest passed through to the investor each month. |
| Pool Loan Count | Main Page | All Pools | We will provide the current number of loans in the pool. |
| Pool Subtype | Main Page | ARM only | We will provide alphanumeric codes that identify ARM product characteristics including index, initial fixed-rate period, rate and payment adjustment frequency and caps, convertibility, and other features. |
| Prepayment <br> Premium <br> Information | At Issuance | MF Pools | For multifamily pools, we will provide prepayment premium information at-issuance which includes the prepayment premium option (e.g. Yield Maintenance, Declining Balance Premium or Defeasance), the latest prepayment premium end date (which corresponds to the prepayment premium end date for the loan with the latest prepayment premium end date), and the weighted average prepayment premium term. |
| Property Type |  <br> Current Information | All Pools | We will provide for pools issued on or after May 1996 information on the number of mortgage loans remaining in the pool that are secured by one unit properties and by two to four unit properties. We also will provide the current aggregate dollar amount of these mortgage loans and the percentage of the entire pool (by current unpaid principal balance) that these loans constitute. |
| Quartile Calculations | At Issuance \& Current Information | All Pools | We will provide quartile information for Original Loan Size, Coupon, LTV, Credit Score, Original Loan Term. Loan Age, and Months Remaining to Maturity. For adjustable-rate pools, we will also provide on an on-going basis for the remaining loans in the pools quartile information for PTR, MBS Margin, Life Ceiling, and Life Floor. For fixed-rate pools, we use projected remaining unpaid principal balances, as part of the weighted average calculation for all the quartiles except LTV and Credit Score. This means that we do not give effect to any unscheduled principal payments reported for the prior month when calculating the weighted average. <br> We calculate the quartile figures as follows. For each mortgage loan characteristic where quartile figures appear, we order each loan in the pool from the highest to the lowest value. For example, we would, in the case of LTV ratios, order each loan in the pool from that with the highest LTV ratio to that with the lowest LTV ratio. The lowest LTV ratio would appear in the pool statistics under "MIN." We determine the next figure in the quartile table for such mortgage loan characteristic by counting the loans starting with the lowest value and continuing upward until the unpaid principal balance of the loans so counted equals twenty-five percent of the outstanding unpaid principal balance of all the loans in the pool. The value associated with the last loan so counted appears in the quartile distribution table under " $25 \%$." We then determine the next figures in the quartile table by counting all of the loans starting with the lowest value and continuing upward until the unpaid principal balance of the loans so counted equals fifty percent of the outstanding unpaid principal balance of all the loans in the pool. We then repeat this process to determine the value in the quartile table associated with seventy-five percent. The values of the last loan so counted in each case appears in the quartile distribution table under "MED" and " $75 \%$," respectively. The highest such value for any mortgage loan in a pool appears in the quartile distribution table under "MAX." |
| Rate Adjustment Frequency | Main Page | ARM only | We will provide the number of months between scheduled interest rate changes. For hybrid ARMs, this is the frequency with which the mortgage will adjust after the first interest rate adjustment date. |


| Term | Location | Pool Type |  |
| :--- | :---: | :---: | :--- |
| Seller | At Issuance <br>  <br> Current <br> Information | All Pools | We will provide the name of the entity that originally delivered the mortgage loans for the pool to <br> Fannie Mae. Pools with multiple sellers will display"Multiple Pool." |
| Servicer | At Issuance <br>  <br> Current | All Pools | We will provide the name of the entity that services the mortgage loans for a pool. For pools <br> issued on or after May 1996 that have multiple servicers, we will provide a table listing the names <br> of all servicers that service five percent or more of the pool’s current unpaid principal balance, the <br> number of loans serviced by each listed servicer, the percent of the pool's current unpaid principal <br> balance that each services, and the aggregate current unpaid principal balance of the mortgage <br> loans each of them services. |


| Term | Location | Pool Type |  |
| :--- | :---: | :---: | :--- |
| Weighted <br> Average Credit <br> Score | Main Page | All Pools | We will provide for pools issued on or after May 1996 a weighted average of the credit scores <br> provided by lenders for each loan underlying the pool. If no credit score is delivered for a loan, it <br> is excluded from the weighted average calculation. |
| Weighted <br> Average Current <br> Coupon | Main Page | All Pools | We will provide a weighted average of the interest rates in effect on the underlying mortgage <br> loans. For fixed-rate pools, we use projected remaining unpaid principal balances, as part of the <br> weighted average calculation. This means that we do not give effect to any unscheduled principal <br> payments reported for the prior month when calculating the weighted average. |
| Weighted <br> Average Current <br> Maturity | Main Page | All Pools | We will provide a weighted average of the calculated maturity for the mortgage loans remaining in <br> a pool. The calculated maturity for a mortgage loan is the number of months remaining until the <br> borrower will pay off his mortgage loan completely, assuming that a borrower makes all future <br> scheduled required payments on time as set forth in the mortgage note but makes no additional <br> prepayment after the date of calculation. The calculated maturity for a loan may be earlier than the <br> maturity date stated in the note if a borrower has made any partial prepayments prior to the date of <br> calculation, as part of the weighted average calculation. For fixed-rate pools, we use projected <br> remaining unpaid principal balances, as part of the weighted average calculation. This means that <br> we do not give effect to any unscheduled principal payments reported for the prior month when <br> calculating the weighted average. |
| Weighted <br> Average <br> Maximum Pool <br> Accrual Rate | Main Page |  | ARM only |


| Term | Location | Pool Type | Methodology |
| :---: | :---: | :---: | :---: |
| Weighted Average Minimum Pool Accrual Rate | Main Page | ARM only | We will provide a weighted average of the minimum pool accrual rate that would accrue if all the underlying mortgage loans remaining in the pool were accruing interest at their minimum rates provided in their respective loan documents. Generally, the minimum pool accrual rate will not be less than the weighted average of the MBS margins of the mortgage loans remaining in the pool. |
| Weighted <br> Average Months <br> Remaining to <br> Scheduled <br> Amortization | Main Page | Interest <br> Only <br> Pools | We will provide a weighted average of the number of months remaining until each loan begins to amortize. If this field is blank, it is not an interest-only pool. |
| Weighted Average Months to Roll | Main Page | ARM only | We will provide a weighted average at-issuance of the number of months until the next interest rate change date for each mortgage loan in the pool. |
| Weighted <br> Average <br> Negative <br> Amortization <br> Limit | Main Page | ARM only | If a pool has ARMs that negatively amortize, we will provide a weighted average of the negative amortization limits of all the mortgage loans remaining in the pool. |
| Weighted Average Net Coupon | Main Page | ARM only | We will provide a weighted average of the at-issuance value for the pool of the gross coupons of the underlying mortgage loans less their respective servicing and guaranty fees. |
| Weighted Average Original Coupon | Main Page | All Pools | We will provide a weighted average of the at-issuance value for the pool of the gross coupons of the underlying mortgage loans. |
| Weighted <br> Average <br> Original Loan <br> Term | Main Page | All Pools | We will provide a weighted average of the loan terms of the underlying mortgage loans. The loan term for a mortgage loan is the number of months in which regular scheduled borrower payments are due under the terms of the related mortgage note. For fixed-rate pools, we use projected remaining unpaid principal balances, as part of the weighted average calculation. This means that we do not give effect to any unscheduled principal payments reported for the prior month when calculating the weighted average. |
| Weighted <br> Average <br> Original <br> Maturity | Main Page | All Pools | We will provide a weighted average of the calculate maturity for the underlying mortgage loans. The calculated maturity for a mortgage loan, at issuance, is the number of months remaining until the borrower will pay off his mortgage loan, assuming that a borrower makes all future scheduled required payments on time as set forth in the mortgage note but makes no additional prepayment after the date of calculation. The calculated maturity for a loan may be earlier than the maturity date stated in the note if a borrower has made any partial prepayments prior to the date of calculation. |


[^0]:    ${ }^{1}$ For an ARM loan that has already experienced its final rate change, the disclosure will display the loan's maturity date in the "Next Rate Change Date" field.

[^1]:    2 For an ARM loan that has already experienced its final rate change, the disclosure will display the loan's maturity date in the "Next Rate Change Date" field.

