



Variable Names & Descriptions

Freddie Mac provides loan-level information at PC issuance and on a monthly basis for all newly issued fixed-rate and adjustable-rate mortgage (ARM) PC securities issued after December 1, 2005. Inception month and monthly loan-level disclosure supplements Freddie Mac's current daily and monthly pool-level disclosure for new and previously issued securities.

Loan-level disclosure is available on Freddie Mac's Web site at FreddieMac.com/mbs/html/sd_pc_lookup.html by entering the CUSIP or pool number and selecting "Loan Level File."

The following variables are divided into three sections: Fixed-rate Mortgage Loan-level Variables, Adjustable-rate Mortgage Loan-level Variables and Modified Mortgage Loan-level Variables

Fixed-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Combined Loan-to- Value (CLTV)	<p>In the case of a purchase mortgage loan, the ratio is obtained by dividing the mortgage loan amount on the note date plus any secondary mortgage loan amount disclosed by the Seller by the lesser of the mortgaged property's appraised value on the note date or its purchase price.</p> <p>In the case of a refinance mortgage loan, the ratio is obtained by dividing the mortgage loan amount on the note date plus any secondary mortgage loan amount disclosed by the Seller by the mortgaged property's appraised value on the note date.</p> <p>If the secondary financing amount disclosed by the Seller includes a home equity line of credit, then the CLTV calculation reflects the disbursed amount at closing of the first lien mortgage loan, not the maximum loan amount available under the home equity line of credit.</p> <p>In the case of a seasoned mortgage loan, if the Seller cannot warrant that the value of the mortgaged property has not declined since the note date, Freddie Mac requires that the Seller must provide a new appraisal value, which is used in the CLTV calculation.</p> <p>Percentages below 6% or greater than 135% will be disclosed as "Unknown," which will be indicated by a blank space. In the case of a mortgage loan backing a High LTV Gold PC > 105% and <= 125%, percentages less than 6% or greater than 155% will be disclosed as "Unknown," which will be indicated by a blank space. In the case of a mortgage loan backing a High LTV>125% Gold PC, percentages <6 or >999% will be disclosed as "Unknown," which will be indicated by a blank space.</p> <p>This disclosure is subject to the widely varying standards originators use to calculate and / or report Borrowers' secondary mortgage loan amounts and will not be updated.</p>	●	●
Credit Score	<p>A number prepared by third parties, summarizing the borrower's creditworthiness, which may be indicative of the likelihood that the borrower will timely repay future obligations. All known credit scores are disclosed at PC issuance. Generally, the credit score known and disclosed at time of PC issuance is the score used to originate the mortgage. Mortgages reported with unknown credit scores at the time of PC issuance may have credit scores disclosed in the month following PC issuance. Credit scores reported at PC issuance and those reported in the month following, if any, are not updated and these same scores continue to appear in the monthly reporting. An unavailable credit score or a credit score value less than 300 or greater than 850 will be disclosed as "Unknown," which will be indicated by a blank space.</p>	●	●
Current Investor Unpaid Principal Balance (UPB)	<p>The UPB of the mortgage contributing to the current UPB of a PC pool.</p>		●

Fixed-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Debt-to-Income (DTI) Ratio	Disclosure of the debt to income ratio is based on (1) the sum of the Borrower's monthly debt payments, including monthly housing expenses that incorporate the mortgage payment the Borrower is making at the time of the delivery of the mortgage loan to Freddie Mac, divided by (2) the total monthly income used to underwrite the Borrower as of the date of the origination of the mortgage loan. The debt to income ratio will not be updated. Percentages falling outside the range of greater than 0% and less than or equal to 65% will be disclosed as "Unknown," which will be indicated by a blank space. This disclosure is subject to the widely varying standards originators use to calculate and / or report Borrowers' income and liabilities.	●	●
Documentation Type	<p>For each of the following categories, our disclosure will identify the documentation type by indicating whether it is "Yes— Verified/Waived" or "No—Not Verified/Not Waived." See the description below for the significance of these designations. Unknown" is indicated by a blank.</p> <p>Documentation Type – Income Documentation Type – Assets Documentation Type – Employment</p> <p>Generally, Freddie Mac requires that Sellers of mortgage loans document or verify loan application information about the Borrower's income, assets and employment. Sellers' documentation or verification can take several forms; for example, Sellers may require that a Borrower provide pay stubs or W-2 or 1099 forms to verify employment and income and depository and brokerage statements to verify assets. In some cases, because of the measured creditworthiness of the Borrower (e.g., credit score) and loan attributes (e.g., a refinance loan or low loan-to-value ratio), a Seller may require a reduced level of documentation or verification or may waive its general documentation or verification requirements. In other cases, pursuant to programs offered by lenders, Borrowers may elect to provide a reduced level of documentation or verification or may elect to provide no documentation or verification of some or all of this information in a loan application. Standards to qualify for reduced levels of documentation and for waivers of documentation based on creditworthiness, and what constitutes a material reduced level of documentation, may vary among Sellers. If Freddie Mac agrees with a Seller's decision to underwrite the Borrower using reduced documentation or no documentation, Freddie Mac will generally require that Sellers deliver a special code in connection with the delivery of such mortgage loans. Freddie Mac monitors the performance of such loans to determine whether they continue to perform at least as well as traditional full documentation loans.</p> <p>In cases of full documentation and verification, mortgage loans bear the disclosure "Yes (Verified/Waived)." In cases in which the Seller delivered a loan to Freddie Mac with a special code indicating a reduced level of documentation or waiver, Freddie Mac has used its review of the Seller's underwriting standards for reduced documentation or waiver and its data on actual loans' performance to make a judgment about the credit quality of that loan, which is reflected in whether the loan bears the disclosure "Yes (Verified/Waived)" or "No (Not Verified/Not Waived)." Under these circumstances, loans bearing the disclosure "Yes (Verified/Waived)" reflect an assessment by Freddie Mac of higher credit quality than those loans that bear the disclosure "No (Not Verified/Not Waived)." The performance standard for reduced or waived-documentation loans is default performance on a level at least as strong as traditional full documentation loans. Without regard to their performance, Relief Refinance Mortgages are designated as "Yes – Verified/Waived" because these Mortgages generally involve certain waivers of our documentation requirements.</p> <p>In cases in which Sellers did not deliver a special code indicating a reduced level of documentation or a waiver, the disclosure will indicate "Yes (Verified/Waived)." It is possible nonetheless that loans delivered without a special code may be loans that had a reduced level of documentation or waiver. Freddie Mac seeks to identify through special codes all cases of reduced documentation and conducts quality control sampling to identify and work with sellers on correcting data deficiencies.</p>	●	●
Estimated LTV	<p>In the case of a Reinstated Mortgage, the ratio obtained by dividing the outstanding balance of the mortgage loan by the value of the property obtained through our proprietary automated valuation model, at the time of PC issuance. Although we believe that our automated valuation model yields a reasonable approximation of the property's current value, using a value obtained from: (i) a different automated valuation model, (ii) an appraisal based on a physical inspection of the property or (iii) an arm's length sale of the property could result in a different value for the property.</p> <p>Estimated LTV ratios that are unavailable, below 6% or greater than 300% will be disclosed as "Unknown," which is indicated by a blank space.</p>	●	●
First Payment Date	<p>The first payment due date of the mortgage.</p> <p>For seller-owned modified mortgages, converted mortgages, and construction to permanent mortgages, the first payment due date of the mortgage as of the note modification, conversion, or construction to permanent date of the mortgage.</p>	●	●

Fixed-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
First Time Homebuyer Flag	Indicates whether the Borrower, or one of a group of Borrowers, is an individual who (1) is purchasing the mortgaged property, (2) will reside in the mortgaged property as a primary residence and (3) had no ownership interest (sole or joint) in a residential property during the three-year period preceding the date of the purchase of the mortgaged property. With certain limited exceptions, a displaced homemaker or single parent may also be considered a First- Time Homebuyer if the individual had no ownership interest in a residential property during the preceding three-year period other than an ownership interest in the marital residence with a spouse. "Unknown" will be indicated by a blank space.	●	●
Initial InterestSM First Principal & Interest Payment Date	The due date of the first monthly scheduled amortizing P&I payment date.	●	●
Initial Interest Flag	Denotes whether the mortgage is an Initial Interest mortgage. An Initial Interest mortgage requires (1) interest-only payments for a specified period of time beginning with the first payment date, and (2) P&I payments on a fully amortizing basis for the remainder of the mortgage term.	●	●
Investor UPB	The UPB of the mortgage contributing to the issuance UPB of a PC pool.	●	●
Loan Age	The number of months since the note origination month of the mortgage (calculated monthly). For seller-owned modified mortgages, converted mortgages, and construction to permanent mortgages, the origination month is determined by the date of the note modification, the date of the conversion, or the construction to permanent change date associated with the mortgage. The construction to permanent change date is either the date that the permanent financing documents were signed or the first payment date of the permanent financing.	●	●
Loan Purpose	Indicates whether the mortgage loan is a Cash-out Refinance mortgage, No Cash-out Refinance mortgage, a Purchase mortgage or a Modified Mortgage. If a Refinance is applicable, but the seller of the mortgage loan does not specify Cash-out Refinance or No Cash-out Refinance, "Refinance—Not Specified" is indicated. "Unknown" will be indicated by a blank space. A Modified Mortgage is a mortgage which has been modified for loss mitigation purposes. Generally, a Cash-out Refinance mortgage loan is a mortgage loan in which the use of the loan amount is not limited to specific purposes. A mortgage loan placed on a property previously owned free and clear by the Borrower is always considered a Cash-out Refinance mortgage loan. Generally, a No Cash-out Refinance mortgage loan is a mortgage loan in which the loan amount is limited to the following uses: <ul style="list-style-type: none"> • Pay off the first mortgage, regardless of its age • Pay off any junior liens secured by the mortgaged property, that were used in their entirety to acquire the subject property • Pay related closing costs, financing costs and prepaid items, and • Disburse cash out to the Borrower (or any other payee) not to exceed 2% of the new refinance mortgage loan or \$2,000, whichever is less As an exception to the above, for construction conversion mortgage loans and renovation mortgage loans, the amount of the interim construction financing secured by the mortgaged property is considered an amount used to pay off the first mortgage. Paying off unsecured liens or construction costs paid by the Borrower outside of the secured interim construction financing is considered cash out to the Borrower, if greater than \$2,000 or 2% of the loan amount. This disclosure is subject to various special exceptions used by Sellers to determine whether a mortgage loan is a No Cash-out Refinance mortgage loan.	●	●
Loan Term	For fixed-rate (excluding balloon/reset mortgages), adjustable-rate, and Initial Interest mortgages, the number of scheduled monthly payments of the mortgage, between the first payment date and the maturity date of the mortgage. For balloon/reset mortgages, the number of scheduled monthly payments of the mortgage based, on the note rate, P&I amount and the mortgage loan amount on the note date.	●	●

Fixed-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Loan-to-Value (LTV)	<p>In the case of a purchase mortgage loan, the ratio obtained by dividing the mortgage loan amount on the note date by the lesser of the mortgaged property's appraised value on the note date or its purchase price.</p> <p>In the case of a refinance mortgage loan, the ratio obtained by dividing the mortgage loan amount on the note date by the mortgaged property's appraised value on the note date.</p> <p>In the case of a seasoned mortgage loan, if the Seller cannot warrant that the value of the mortgaged property has not declined since the note date, Freddie Mac requires that the Seller must provide a new appraisal value, which is used in the LTV calculation.</p> <p>Percentages below 6% or greater than 105% will be disclosed as "Unknown," indicated by a blank space. In the case of an FHA/VA mortgage loan, percentages less than 6% or greater than 110% will be disclosed as "Unknown," which will be indicated by a blank space. In the case of a mortgage loan backing a High LTV Gold PC > 105% and <=125%, percentages less than 6% or greater than 155% will be disclosed as "Unknown," which will be indicated by a blank space. In the case of a mortgage loan backing a High LTV>125% Gold PC, percentages <6 or >99% will be disclosed as "Unknown", which will be indicated by a blank space.</p>	●	●
Maturity Date	The month and year in which the final monthly payment on the mortgage is scheduled to be made.	●	●
Metropolitan Statistical Area (MSA) or Metropolitan Division	<p>This disclosure will be based on the designation of the Metropolitan Statistical Area or Metropolitan Division on the date of issuance of the related PC. Metropolitan Statistical Areas (MSAs) are defined by the United States Office of Management and Budget (OMB) and have at least one urbanized area with a population of 50,000 or more inhabitants. OMB refers to an MSA containing a single core with a population of 2.5 million or more, which may be comprised of groupings of counties, as a Metropolitan Division.</p> <p>If an MSA applies to a mortgaged property, the applicable five-digit value is disclosed; however, if the mortgaged property also falls within a Metropolitan Division classification, the applicable five-digit value for the Metropolitan Division takes precedence and is disclosed instead.</p> <p>A blank indicates that the area in which the mortgaged property is located is (a) neither an MSA nor a Metropolitan Division, or (b) unknown. This disclosure will not be updated to reflect any subsequent changes in designations of MSAs, Metropolitan Divisions or other classifications.</p>	●	●
Months to Amortize	For Initial Interest mortgages, the number of months from the first day of the current month to the first scheduled P&I payment date of the mortgage (calculated monthly).	●	●
Mortgage Insurance Percentage (MI %)	The percentage of loss coverage on the loan, at the time of Freddie Mac's purchase of the mortgage loan, that a mortgage insurer is providing to cover losses incurred as a result of a default on the loan. Only primary mortgage insurance that is purchased by the Borrower, lender or Freddie Mac is disclosed. Mortgage insurance that constitutes "credit enhancement" that is not required by Freddie Mac's Charter is not disclosed. Amounts of mortgage insurance reported by Sellers that are in excess of 55% will be disclosed as "Unknown," which will be indicated by a blank space.	●	●
Mortgage Loan Amount	<p>The UPB of the mortgage on the note date.</p> <p>For seller-owned modified mortgages, converted mortgages and construction to permanent mortgages, the UPB of the mortgage as of the note modification, conversion or construction to permanent date of the mortgage.</p>	●	
Net Note Rate	The mortgage note rate after the applicable servicing fee and guarantee fee has been subtracted.	●	●
Note Rate	The note rate as indicated on the mortgage note.	●	●
Note Rate as of PC Issuance	The mortgage note rate as of its corresponding PC pool issuance date.	●	
Number of Borrowers	The number of Borrower(s) who are obligated to repay the mortgage note secured by the mortgaged property. Disclosure denotes only whether there is one borrower or more than one borrower associated with the mortgage note. This disclosure will not be updated to reflect any subsequent assumption of the mortgage note.	●	●
Number of Units	Denotes whether the mortgage is a one-, two-, three- or four-unit property. "Unknown" will be indicated by a blank space.	●	●

Fixed-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Occupancy Status	Denotes whether the mortgage type is owner occupied, second home or investment property. "Unknown" will be indicated by a blank space.	●	●
Prepayment Penalty Mortgage (PPM) Flag	Denotes whether the mortgage is a PPM. A PPM is a mortgage with respect to which the borrower is, or at any time has been, obligated to pay a penalty in the event of certain prepayments of principal.	●	●
Product Type	Denotes whether the mortgage is a fixed-rate mortgage or an ARM.	●	●
Property State	A two-letter abbreviation indicating the state or territory within which the property securing the mortgage is located.	●	●
Property Type	Denotes whether the property type secured by the mortgage is a condominium, leasehold, planned unit development (PUD), cooperative share, manufactured home or single-family home. "Unknown" will be indicated by a blank space.	●	●
Remaining Months to Maturity (RMM)	For fixed-rate mortgages, including Initial Interest mortgages that have reached the Initial Interest First P&I Payment Date, the number of scheduled monthly payments that, after giving effect to partial unscheduled principal payments, remain on the mortgage. For ARMs and Initial Interest mortgages during the initial interest period, the RMM reflects the number of scheduled monthly payments remaining on the mortgage. For balloon/reset mortgages, the RMM reflects the remaining number of months to the mortgage balloon maturity or reset date (calculated monthly).	●	●
Seller Name	The entity acting in its capacity as a Seller of mortgages to Freddie Mac.	●	●
Servicer Name	The entity acting in its capacity as a Servicer of mortgages for Freddie Mac.	●	●
Third Party Origination (TPO)	Disclosure indicates whether a Broker or Correspondent, as those terms are defined below, originated or was involved in the origination of the mortgage loan. If a Third Party Origination is applicable, but the Seller does not specify Broker or Correspondent, the disclosure will indicate "TPO Not Specified." If a Broker, Correspondent or Third Party Origination disclosure is not applicable, the mortgage loan will be designated as Retail, as defined below. <ul style="list-style-type: none"> • Broker is a person or entity that specializes in loan originations, receiving a commission (from a Correspondent or other lender) to match Borrowers and lenders. The Broker performs some or most of the loan processing functions, such as taking loan applications, or ordering credit reports, appraisals and title reports. Typically, the Broker does not underwrite or service the mortgage loan and generally does not use its own funds for closing; however, if the Broker funded a mortgage loan on a lender's behalf, such a mortgage loan is considered a "Broker" third party origination mortgage loan. The mortgage loan is generally closed in the name of the lender who commissioned the Broker's services. • Correspondent is an entity that typically sells the Mortgages it originates to other lenders, which are not Affiliates of that entity, under a specific commitment or as part of an ongoing relationship. The Correspondent performs some or all of the loan processing functions, such as taking the loan application, ordering credit reports, appraisals, and title reports, and verifying the Borrower's income and employment. The Correspondent may or may not have delegated underwriting and typically funds the mortgage loans at settlement. The mortgage loan is closed in the Correspondent's name and the Correspondent may or may not service the mortgage loan. The Correspondent may use a Broker to perform some of the processing functions or even to fund the loan on its behalf; under such circumstances, the mortgage loan is considered a "Broker" third party origination mortgage loan, rather than a "Correspondent" third party origination mortgage loan. • Retail Mortgage is a mortgage loan that is originated, underwritten and funded by a lender or its Affiliates. The mortgage loan is closed in the name of the lender or its Affiliate and if it is sold to Freddie Mac, it is sold by the lender or its Affiliate that originated it. A mortgage loan that a Broker or Correspondent completely or partially originated, processed, underwrote, packaged, funded or closed is not considered a Retail mortgage loan. • For purposes of the definitions of Correspondent and Retail, "Affiliate" means any entity that is related to another party as a consequence of the entity, directly or indirectly, controlling the other party, being controlled by the other party, or being under common control with the other party. 	●	●

Fixed-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Updated Credit Score	<p>In the case of a Reinstated Mortgage the updated credit score is a number prepared by third parties, summarizing the borrower's creditworthiness, which may be indicative of the likelihood that the borrower will timely repay future obligations. For Reinstated Mortgages we collect a new credit score consistent with the process used to underwrite the Reinstated Mortgages originally.</p> <p>If an updated credit score is unavailable or outside the range of 300 to 850, then we disclose "Unknown," which is indicated by a blank space.</p>	●	●

Adjustable-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Combined Loan-to- Value (CLTV)	<p>In the case of a purchase mortgage loan, the ratio is obtained by dividing the mortgage loan amount on the note date plus any secondary mortgage loan amount disclosed by the Seller by the lesser of the mortgaged property's appraised value on the note date or its purchase price.</p> <p>In the case of a refinance mortgage loan, the ratio is obtained by dividing the mortgage loan amount on the note date plus any secondary mortgage loan amount disclosed by the Seller by the mortgaged property's appraised value on the note date.</p> <p>If the secondary financing amount disclosed by the Seller includes a home equity line of credit, then the CLTV calculation reflects the disbursed amount at closing of the first lien mortgage loan, not the maximum loan amount available under the home equity line of credit.</p> <p>In the case of a seasoned mortgage loan, if the Seller cannot warrant that the value of the mortgaged property has not declined since the note date, Freddie Mac requires that the Seller must provide a new appraisal value, which is used in the CLTV calculation.</p> <p>Percentages below 6% or greater than 135% will be disclosed as "Unknown," which will be indicated by a blank space. In the case of a mortgage loan backing a High LTV Gold PC > 105% and <= 125%, percentages less than 6% or greater than 155% will be disclosed as "Unknown," which will be indicated by a blank space. In the case of a mortgage loan backing a High LTV>125% Gold PC, percentages <6 or >999% will be disclosed as "Unknown," which will be indicated by a blank space.</p> <p>This disclosure is subject to the widely varying standards originators use to calculate and / or report Borrowers' secondary mortgage loan amounts and will not be updated.</p>	●	●
Convertible	Indicates whether the ARM has an option that allows the borrower to convert an adjustable interest rate to a fixed interest rate during a specified conversion window.	●	●
Credit Score	A number prepared by third parties, summarizing the borrower's creditworthiness, which may be indicative of the likelihood that the borrower will timely repay future obligations. All known credit scores are disclosed at PC issuance. Generally, the credit score known and disclosed at time of PC issuance is the score used to originate the mortgage. Mortgages reported with unknown credit scores at the time of PC issuance may have credit scores disclosed in the month following PC issuance. Credit scores reported at PC issuance and those reported in the month following, if any, are not updated and these same scores continue to appear in the monthly reporting. An unavailable credit score or a credit score value less than 300 or greater than 850 will be disclosed as "Unknown," which will be indicated by a blank space.	●	●
Current Investor Unpaid Principal Balance (UPB)	The UPB of the mortgage contributing to the current UPB of a PC pool.		●
Debt-to-Income (DTI) Ratio	Disclosure of the debt to income ratio is based on (1) the sum of the Borrower's monthly debt payments, including monthly housing expenses that incorporate the mortgage payment the Borrower is making at the time of the delivery of the mortgage loan to Freddie Mac, divided by (2) the total monthly income used to underwrite the Borrower as of the date of the origination of the mortgage loan. The debt to income ratio will not be updated. Percentages falling outside the range of greater than 0% and less than or equal to 65% will be disclosed as "Unknown," which will be indicated by a blank space. This disclosure is subject to the widely varying standards originators use to calculate and / or report Borrowers' income and liabilities.	●	●

Adjustable-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Documentation Type	<p>For each of the following categories, our disclosure will identify the documentation type by indicating whether it is “Yes— Verified/Waived” or “No—Not Verified/Not Waived.” See the description below for the significance of these designations. Unknown” is indicated by a blank.</p> <p>Documentation Type – Income Documentation Type – Assets Documentation Type – Employment</p> <p>Generally, Freddie Mac requires that Sellers of mortgage loans document or verify loan application information about the Borrower’s income, assets and employment. Sellers’ documentation or verification can take several forms; for example, Sellers may require that a Borrower provide pay stubs or W-2 or 1099 forms to verify employment and income and depository and brokerage statements to verify assets. In some cases, because of the measured creditworthiness of the Borrower (e.g., credit score) and loan attributes (e.g., a refinance loan or low loan-to-value ratio), a Seller may require a reduced level of documentation or verification or may waive its general documentation or verification requirements. In other cases, pursuant to programs offered by lenders, Borrowers may elect to provide a reduced level of documentation or verification or may elect to provide no documentation or verification of some or all of this information in a loan application. Standards to qualify for reduced levels of documentation and for waivers of documentation based on creditworthiness, and what constitutes a material reduced level of documentation, may vary among Sellers. If Freddie Mac agrees with a Seller’s decision to underwrite the Borrower using reduced documentation or no documentation, Freddie Mac will generally require that Sellers deliver a special code in connection with the delivery of such mortgage loans. Freddie Mac monitors the performance of such loans to determine whether they continue to perform at least as well as traditional full documentation loans.</p> <p>In cases of full documentation and verification, mortgage loans bear the disclosure “Yes (Verified/Waived).” In cases in which the Seller delivered a loan to Freddie Mac with a special code indicating a reduced level of documentation or waiver, Freddie Mac has used its review of the Seller’s underwriting standards for reduced documentation or waiver and its data on actual loans’ performance to make a judgment about the credit quality of that loan, which is reflected in whether the loan bears the disclosure “Yes (Verified/Waived)” or “No (Not Verified/Not Waived).” Under these circumstances, loans bearing the disclosure “Yes (Verified/Waived)” reflect an assessment by Freddie Mac of higher credit quality than those loans that bear the disclosure “No (Not Verified/Not Waived).” The performance standard for reduced or waived-documentation loans is default performance on a level at least as strong as traditional full documentation loans. Without regard to their performance, Relief Refinance Mortgages are designated as “Yes – Verified/Waived” because these Mortgages generally involve certain waivers of our documentation requirements.</p> <p>In cases in which Sellers did not deliver a special code indicating a reduced level of documentation or a waiver, the disclosure will indicate “Yes (Verified/Waived).” It is possible nonetheless that loans delivered without a special code may be loans that had a reduced level of documentation or waiver. Freddie Mac seeks to identify through special codes all cases of reduced documentation and conducts quality control sampling to identify and work with sellers on correcting data deficiencies.</p>	●	●
Estimated LTV	<p>In the case of a Reinstated Mortgage, the ratio obtained by dividing the outstanding balance of the mortgage loan by the value of the property obtained through our proprietary automated valuation model, at the time of PC issuance. Although we believe that our automated valuation model yields a reasonable approximation of the property’s current value, using a value obtained from: (i) a different automated valuation model, (ii) an appraisal based on a physical inspection of the property or (iii) an arm’s length sale of the property could result in a different value for the property.</p> <p>Estimated LTV ratios that are unavailable, below 6% or greater than 300% will be disclosed as “Unknown,” which is indicated by a blank space.</p>	●	●
First Payment Date	<p>The first payment due date of the mortgage.</p> <p>For seller-owned modified mortgages, converted mortgages, and construction to permanent mortgages, the first payment due date of the mortgage as of the note modification, conversion, or construction to permanent date of the mortgage.</p>	●	●
First Time Homebuyer Flag	<p>Indicates whether the Borrower, or one of a group of Borrowers, is an individual who (1) is purchasing the mortgaged property, (2) will reside in the mortgaged property as a primary residence and (3) had no ownership interest (sole or joint) in a residential property during the three-year period preceding the date of the purchase of the mortgaged property. With certain limited exceptions, a displaced homemaker or single parent may also be considered a First- Time Homebuyer if the individual had no ownership interest in a residential property during the preceding three-year period other than an ownership interest in the marital residence with a spouse. “Unknown” will be indicated by a blank space.</p>	●	●
Margin	<p>For ARMs, the number of percentage points that is added to the current index value to establish the new note rate at each interest rate adjustment date.</p>	●	●

Adjustable-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Index	For ARMs, an interest rate index specified in the mortgage note, the value of which is used to adjust the note rate periodically.	●	●
Initial Cap Down %	For ARMs, the maximum amount that the mortgage note rate may decrease at the first interest rate adjustment date, expressed in percentage points.	●	●
Initial Cap Up %	For ARMs, the maximum amount that the mortgage note rate may increase at the first interest rate adjustment date, expressed in percentage points.	●	●
Initial Fixed Rate Period for Hybrid ARMs	For hybrid ARMs, the period of time between the first payment date of the mortgage and the first interest rate adjustment date.	●	●
Initial InterestSM First Principal & Interest Payment Date	The due date of the first monthly scheduled amortizing P&I payment date.	●	●
Initial Interest Flag	Denotes whether the mortgage is an Initial Interest mortgage. An Initial Interest mortgage requires (1) interest-only payments for a specified period of time beginning with the first payment date, and (2) P&I payments on a fully amortizing basis for the remainder of the mortgage term.	●	●
Investor UPB	The UPB of the mortgage contributing to the issuance UPB of a PC pool.	●	●
Loan Age	The number of months since the note origination month of the mortgage (calculated monthly). For seller-owned modified mortgages, converted mortgages, and construction to permanent mortgages, the origination month is determined by the date of the note modification, the date of the conversion, or the construction to permanent change date associated with the mortgage. The construction to permanent change date is either the date that the permanent financing documents were signed or the first payment date of the permanent financing.	●	●
Loan Purpose	Indicates whether the mortgage loan is a Cash-out Refinance mortgage, No Cash-out Refinance mortgage, a Purchase mortgage or a Modified Mortgage. If a Refinance is applicable, but the seller of the mortgage loan does not specify Cash-out Refinance or No Cash-out Refinance, "Refinance—Not Specified" is indicated. "Unknown" will be indicated by a blank space. A Modified Mortgage is a mortgage which has been modified for loss mitigation purposes. Generally, a Cash-out Refinance mortgage loan is a mortgage loan in which the use of the loan amount is not limited to specific purposes. A mortgage loan placed on a property previously owned free and clear by the Borrower is always considered a Cash-out Refinance mortgage loan. Generally, a No Cash-out Refinance mortgage loan is a mortgage loan in which the loan amount is limited to the following uses: <ul style="list-style-type: none"> • Pay off the first mortgage, regardless of its age • Pay off any junior liens secured by the mortgaged property, that were used in their entirety to acquire the subject property • Pay related closing costs, financing costs and prepaid items, and • Disburse cash out to the Borrower (or any other payee) not to exceed 2% of the new refinance mortgage loan or \$2,000, whichever is less As an exception to the above, for construction conversion mortgage loans and renovation mortgage loans, the amount of the interim construction financing secured by the mortgaged property is considered an amount used to pay off the first mortgage. Paying off unsecured liens or construction costs paid by the Borrower outside of the secured interim construction financing is considered cash out to the Borrower, if greater than \$2,000 or 2% of the loan amount. This disclosure is subject to various special exceptions used by Sellers to determine whether a mortgage loan is a No Cash-out Refinance mortgage loan.	●	●

Adjustable-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Loan Term	For fixed-rate (excluding balloon/reset mortgages), adjustable-rate, and Initial Interest mortgages, the number of scheduled monthly payments of the mortgage, between the first payment date and the maturity date of the mortgage. For balloon/reset mortgages, the number of scheduled monthly payments of the mortgage based, on the note rate, P&I amount and the mortgage loan amount on the note date.	●	●
Loan-to-Value (LTV)	In the case of a purchase mortgage loan, the ratio obtained by dividing the mortgage loan amount on the note date by the lesser of the mortgaged property's appraised value on the note date or its purchase price. In the case of a refinance mortgage loan, the ratio obtained by dividing the mortgage loan amount on the note date by the mortgaged property's appraised value on the note date. In the case of a seasoned mortgage loan, if the Seller cannot warrant that the value of the mortgaged property has not declined since the note date, Freddie Mac requires that the Seller must provide a new appraisal value, which is used in the LTV calculation. Percentages below 6% or greater than 105% will be disclosed as "Unknown," indicated by a blank space. In the case of an FHA/VA mortgage loan, percentages less than 6% or greater than 110% will be disclosed as "Unknown," which will be indicated by a blank space. In the case of a mortgage loan backing a High LTV Gold PC > 105% and <=125%, percentages less than 6% or greater than 155% will be disclosed as "Unknown," which will be indicated by a blank space. In the case of a mortgage loan backing a High LTV > 125% Gold PC, percentages <6 or >999% will be disclosed as "Unknown", which will be indicated by a blank space.	●	●
Lookback	For ARMs, the number of days from the publication of the adjusted index value to the interest rate adjustment date for a mortgage.	●	●
Maturity Date	The month and year in which the final monthly payment on the mortgage is scheduled to be made.	●	●
Maximum Lifetime Rate	For ARMs, the maximum note rate of an ARM over the life of the loan.	●	●
Metropolitan Statistical Area (MSA) or Metropolitan Division	This disclosure will be based on the designation of the Metropolitan Statistical Area or Metropolitan Division on the date of issuance of the related PC. Metropolitan Statistical Areas (MSAs) are defined by the United States Office of Management and Budget (OMB) and have at least one urbanized area with a population of 50,000 or more inhabitants. OMB refers to an MSA containing a single core with a population of 2.5 million or more, which may be comprised of groupings of counties, as a Metropolitan Division. If an MSA applies to a mortgaged property, the applicable five-digit value is disclosed; however, if the mortgaged property also falls within a Metropolitan Division classification, the applicable five-digit value for the Metropolitan Division takes precedence and is disclosed instead. A blank indicates that the area in which the mortgaged property is located is (a) neither an MSA nor a Metropolitan Division, or (b) unknown. This disclosure will not be updated to reflect any subsequent changes in designations of MSAs, Metropolitan Divisions or other classifications.	●	●
Months to Adjust	For ARMs, the number of months from the first day of the current month to the next date on which the mortgage note rate adjusts (calculated monthly).	●	●
Months to Amortize	For Initial Interest mortgages, the number of months from the first day of the current month to the first scheduled P&I payment date of the mortgage (calculated monthly).	●	●
Mortgage Insurance Percentage (MI %)	The percentage of loss coverage on the loan, at the time of Freddie Mac's purchase of the mortgage loan, that a mortgage insurer is providing to cover losses incurred as a result of a default on the loan. Only primary mortgage insurance that is purchased by the Borrower, lender or Freddie Mac is disclosed. Mortgage insurance that constitutes "credit enhancement" that is not required by Freddie Mac's Charter is not disclosed. Amounts of mortgage insurance reported by Sellers that are in excess of 55% will be disclosed as "Unknown," which will be indicated by a blank space.	●	●

Adjustable-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Mortgage Loan Amount	The UPB of the mortgage on the note date. For seller-owned modified mortgages, converted mortgages and construction to permanent mortgages, the UPB of the mortgage as of the note modification, conversion or construction to permanent date of the mortgage.	●	
Net Maximum Lifetime Rate	For ARMs, the maximum lifetime rate of a mortgage, after the applicable servicing fee and guarantee fee have been subtracted.	●	●
Net Mortgage Margin	For ARMs, the mortgage margin, after the applicable servicing fee and guarantee fee has been subtracted.	●	●
Net Note Rate	The mortgage note rate after the applicable servicing fee and guarantee fee has been subtracted.	●	●
Next Adjustment Date	For ARMs, the next scheduled date on which the mortgage note rate adjusts.	●	●
Note Rate	The note rate as indicated on the mortgage note.	●	●
Note Rate as of PC Issuance	The mortgage note rate as of its corresponding PC pool issuance date. For an ARM that has passed its first adjustment date, the note rate as of PC issuance may be different than the mortgage note rate at loan origination.	●	
Number of Borrowers	The number of Borrower(s) who are obligated to repay the mortgage note secured by the mortgaged property. Disclosure denotes only whether there is one borrower or more than one borrower associated with the mortgage note. This disclosure will not be updated to reflect any subsequent assumption of the mortgage note.	●	●
Number of Units	Denotes whether the mortgage is a one-, two-, three- or four-unit property. "Unknown" will be indicated by a blank space.	●	●
Occupancy Status	Denotes whether the mortgage type is owner occupied, second home or investment property. "Unknown" will be indicated by a blank space.	●	●
Periodic Cap %	For ARMs, the maximum amount that the note rate may increase or decrease at each interest rate adjustment date after the first interest rate adjustment date, expressed in percentage points.	●	●
Prepayment Penalty Mortgage (PPM) Flag	Denotes whether the mortgage is a PPM. A PPM is a mortgage with respect to which the borrower is, or at any time has been, obligated to pay a penalty in the event of certain prepayments of principal.	●	●
Product Type	Denotes whether the mortgage is a fixed-rate mortgage or an ARM.	●	●
Property State	A two-letter abbreviation indicating the state or territory within which the property securing the mortgage is located.	●	●
Property Type	Denotes whether the property type secured by the mortgage is a condominium, leasehold, planned unit development (PUD), cooperative share, manufactured home or single-family home. "Unknown" will be indicated by a blank space.	●	●
Rate Adjustment Frequency	For ARMs, the frequency (in months) that the mortgage note rate will adjust. For hybrid ARMs, this is the frequency that the mortgage will adjust after the first interest rate adjustment date.	●	●

Adjustable-rate Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Remaining Months to Maturity (RMM)	<p>For fixed-rate mortgages, including Initial Interest mortgages that have reached the Initial Interest First P&I Payment Date, the number of scheduled monthly payments that, after giving effect to partial unscheduled principal payments, remain on the mortgage.</p> <p>For ARMs and Initial Interest mortgages during the initial interest period, the RMM reflects the number of scheduled monthly payments remaining on the mortgage.</p> <p>For balloon/reset mortgages, the RMM reflects the remaining number of months to the mortgage balloon maturity or reset date (calculated monthly).</p>	●	●
Seller Name	The entity acting in its capacity as a Seller of mortgages to Freddie Mac.	●	●
Servicer Name	The entity acting in its capacity as a Servicer of mortgages for Freddie Mac.	●	●
Third Party Origination (TPO)	<p>Disclosure indicates whether a Broker or Correspondent, as those terms are defined below, originated or was involved in the origination of the mortgage loan. If a Third Party Origination is applicable, but the Seller does not specify Broker or Correspondent, the disclosure will indicate "TPO Not Specified." If a Broker, Correspondent or Third Party Origination disclosure is not applicable, the mortgage loan will be designated as Retail, as defined below.</p> <ul style="list-style-type: none"> • Broker is a person or entity that specializes in loan originations, receiving a commission (from a Correspondent or other lender) to match Borrowers and lenders. The Broker performs some or most of the loan processing functions, such as taking loan applications, or ordering credit reports, appraisals and title reports. Typically, the Broker does not underwrite or service the mortgage loan and generally does not use its own funds for closing; however, if the Broker funded a mortgage loan on a lender's behalf, such a mortgage loan is considered a "Broker" third party origination mortgage loan. The mortgage loan is generally closed in the name of the lender who commissioned the Broker's services. • Correspondent is an entity that typically sells the Mortgages it originates to other lenders, which are not Affiliates of that entity, under a specific commitment or as part of an ongoing relationship. The Correspondent performs some or all of the loan processing functions, such as taking the loan application, ordering credit reports, appraisals, and title reports, and verifying the Borrower's income and employment. The Correspondent may or may not have delegated underwriting and typically funds the mortgage loans at settlement. The mortgage loan is closed in the Correspondent's name and the Correspondent may or may not service the mortgage loan. The Correspondent may use a Broker to perform some of the processing functions or even to fund the loan on its behalf; under such circumstances, the mortgage loan is considered a "Broker" third party origination mortgage loan, rather than a "Correspondent" third party origination mortgage loan. • Retail Mortgage is a mortgage loan that is originated, underwritten and funded by a lender or its Affiliates. The mortgage loan is closed in the name of the lender or its Affiliate and if it is sold to Freddie Mac, it is sold by the lender or its Affiliate that originated it. A mortgage loan that a Broker or Correspondent completely or partially originated, processed, underwrote, packaged, funded or closed is not considered a Retail mortgage loan. • For purposes of the definitions of Correspondent and Retail, "Affiliate" means any entity that is related to another party as a consequence of the entity, directly or indirectly, controlling the other party, being controlled by the other party, or being under common control with the other party. 	●	●
Updated Credit Score	<p>In the case of a Reinstated Mortgage the updated credit score is a number prepared by third parties, summarizing the borrower's creditworthiness, which may be indicative of the likelihood that the borrower will timely repay future obligations. For Reinstated Mortgages we collect a new credit score consistent with the process used to underwrite the Reinstated Mortgages originally.</p> <p>If an updated credit score is unavailable or outside the range of 300 to 850, then we disclose "Unknown," which is indicated by a blank space.</p>	●	●

The following disclosure variables pertain to fixed rate and step rate modified mortgages backing Modified Fixed Rate PCs and Modified Step Rate PCs. The vast majority of these mortgage loans were previously repurchased by Freddie Mac from their related PCs pursuant to our past and current practices and were subsequently modified to mitigate losses. In connection with the securitization of these modified loans in new PCs, Freddie Mac will provide certain loan-level information pertaining to 1) the modified mortgage and 2) the mortgage at time of origination, prior to any modifications occurring.

Modified Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Current Note Rate	For modified step rate mortgages, the current interest rate on the modified mortgage.		●
Current Investor Unpaid Principal Balance (UPB)	The interest bearing UPB of the modified mortgage contributing to the current UPB of a PC pool.		●
Date of Terminal Step	For modified step rate mortgages, the final scheduled date on which the mortgage interest rate increases to its terminal step rate.	●	●
Debt-to-Income (DTI) Ratio	Disclosure of the debt to income ratio is based on (1) the sum of the Borrower's monthly debt payments, including monthly housing expenses that incorporate the mortgage payment the Borrower is making as a result of loan modification, divided by (2) the total monthly income of the Borrower at the time of the loan modification. The debt to income ratio will not be updated. Percentages falling outside the range of greater than 0% and less than or equal to 65% will be disclosed as "Unknown," which will be indicated by a blank space. This disclosure is subject to the widely varying standards originators use to calculate and / or report Borrowers' income and liabilities.	●	●
Deferred Amount	The non-interest bearing UPB of the modified mortgage as of the note modification. The deferred amount does not contribute to the issuance UPB of a PC pool.	●	●
Deferred UPB	The current non-interest bearing UPB of the modified mortgage. The deferred UPB does not contribute to the current UPB of a PC pool.	●	●
Estimated Loan-to-Value (LTV)	In the case of a modified mortgage, the ratio obtained by dividing the outstanding balance of the modified mortgage loan by the value of the property obtained through our proprietary automated valuation model, at the time of PC issuance. In the case of modified mortgages with deferred amounts, the outstanding balanced of the modified mortgage loan at the time of PC issuance reflects both interest bearing and non-interest bearing UPB amounts. Although we believe that our automated valuation model yields a reasonable approximation of the property's current value, using a value obtained from: (i) a different automated valuation model, (ii) an appraisal based on a physical inspection of the property or (iii) an arm's length sale of the property could result in a different value for the property. Estimated LTV ratios that are unavailable, below 6% or greater than 300% will be disclosed as "Unknown," which is indicated by a blank space.	●	●
First Payment Date	The first payment due date of the modified mortgage.	●	●
First-Time Homebuyer Flag	Indicates whether the Borrower, or one of a group of Borrowers, is an individual who (1) purchased the mortgaged property, (2) will reside in the mortgaged property as a primary residence and (3) had no ownership interest (sole or joint) in a residential property during the three-year period preceding the date of the purchase of the mortgaged property. With certain limited exceptions, a displaced homemaker or single parent may also be considered a First-Time Homebuyer if the individual had no ownership interest in a residential property during the preceding three-year period other than an ownership interest in the marital residence with a spouse. "Unknown" will be indicated by a blank space.	●	●
Interest Bearing Mortgage Loan Amount	The interest bearing UPB of the modified mortgage as of the note modification.	●	●
Initial Fixed Rate Period	For modified step rate mortgages, the period of time between the first payment date of the modified mortgage and the first interest rate adjustment date.	●	●

Modified Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Interest Rate Step Indicator	Denotes whether the terms of the modification agreement call for the note rate to increase over time.	●	●
Investor UPB	The interest bearing UPB of the modified mortgage contributing to the issuance UPB of a PC pool.	●	●
Loan Age	The number of months since the modification date of the modified mortgage. (calculated monthly)	●	●
Loan Age as of Modification Date	For loans modified for loss mitigation purposes only, the number of months from the note date of the origination mortgage to the modification date of the modified mortgage loan.	●	●
Loan Purpose	Indicates whether the mortgage loan was modified for loss mitigation purposes.	●	●
Loan Term	The number of scheduled monthly payments of the modified mortgage, between the first payment date under the terms of the modified mortgage and the maturity date of the modified mortgage.	●	●
Maturity Date	The month and year in which the final monthly payment on the modified mortgage is scheduled to be made.	●	●
Metropolitan Statistical Area (MSA) or Metropolitan Division	This disclosure will be based on the designation of the Metropolitan Statistical Area or Metropolitan Division on the date of issuance of the related Modified PC. Metropolitan Statistical Areas (MSAs) are defined by the United States Office of Management and Budget (OMB) and have at least one urbanized area with a population of 50,000 or more inhabitants. OMB refers to an MSA containing a single core with a population of 2.5 million or more, which may be comprised of groupings of counties, as a Metropolitan Division. If an MSA applies to a mortgaged property, the applicable five-digit value is disclosed; however, if the mortgaged property also falls within a Metropolitan Division classification, the applicable five-digit value for the Metropolitan Division takes precedence and is disclosed instead. A blank indicates that the area in which the mortgaged property is located is (a) neither an MSA nor a Metropolitan Division, or (b) unknown. This disclosure will not be updated to reflect any subsequent changes in designations of MSAs, Metropolitan Divisions or other classifications.	●	●

Modified Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Modification Program	<p>For loans modified for loss mitigation purposes, disclosure indicates the program under which the loan was modified.</p> <ul style="list-style-type: none"> - Classic Modification: Classic modifications included capitalization of interest and non-interest arrearages, and may have included extensions of the term of the mortgage and reductions in interest rate but not forbearance or reduction of principal. Classic modifications were discontinued in February 2012. - HAMP Modification Program: HAMP modifications include capitalization of interest and non-interest arrearages, lowering of interest rates (to a floor of 2%), extending the Mortgage term, a borrower trial period for the modifications before they are finalized and may include forbearance (but not reductions) of principal. If the initial modified interest rate is less than the terminal step rate, the interest rate will increase after five years in 1% (or less) increments annually until the terminal step rate is reached. HAMP applies to Mortgages originated on or before January 1, 2009 and will expire on December 31, 2015. - HAMP Backup Modification: Certain borrowers who initially qualified for a HAMP modification and who made timely payments during a HAMP trial period, but who, because of income verification or other reasons, subsequently failed to qualify under the HAMP program, could have had their Mortgages modified under our HAMP backup initiative (which was a non-HAMP initiative). HAMP backup modifications generally had terms similar to modifications under the HAMP program. HAMP backup modifications had to have modified payment due dates on or before December 1, 2010. - Non-HAMP Standard Modification: Non-HAMP Standard modifications include capitalization of interest and non-interest arrearages, setting of interest rates (increasing or decreasing rates), extending the Mortgage term to 480 months, a borrower trial period for the modifications before they are finalized and may include forbearance (but not reductions) of principal. This initiative began in October 2011. - Streamlined Modification: Streamlined modifications include capitalization of interest and non-interest arrearages, setting of interest rates (increasing or decreasing rates), extending the Mortgage term, a borrower trial period for the modifications before they are finalized and may have included forbearance (but not reductions) of principal. We generally offer the streamlined modification to borrowers who are at least three months delinquent on their Mortgages. The Streamlined Modification initiative was implemented in July 2013 (with earlier adoption permitted) and the last day a trial period may be entered into is August 1, 2015. - Alternative Modification Program: Alternative modifications included capitalization of interest and non-interest arrearages, setting of interest rates (increasing or decreasing rates), extending the Mortgage term, a borrower trial period for the modification before they are finalized and may have included forbearance (but not reductions) of principal. The terms of the modifications under our alternative modification initiative generally were similar to those under our streamlined modification initiative; however, we generally offered the alternative modification to borrowers who were five to twenty-four months delinquent on their Mortgages. The alternative modification initiative was a one-time initiative and the final modification agreement must have been entered into no later than January 1, 2014. - Underwater Modification Program: Underwater modifications included capitalization of interest and non-interest arrearages, setting of interest rates (increasing or decreasing rates), extending the Mortgage term, and may have included forbearance (but not reductions) of principal. The terms of the modifications under our underwater modification initiative were generally offered to borrowers with loan origination dates before May 31, 2009 whose Mortgages had estimated loan-to-value ratios at the time of modification of greater than 150%. The underwater modification initiative was a one-time initiative and the final modification agreement must have been entered into no later than August 1, 2013. 	●	●
Modification Type	For loans modified for loss mitigation purposes only, disclosure indicates the type of action that modified the loan term(s). Modification types include 1) Rate, 2) Term, 3) Rate & Term, 4) Capitalization, 5) Rate, Term & Forbearance, and 6) Other.	●	●
Months to Adjust	For modified step rate mortgages, the number of months from the first day of the current month to the next date on which the mortgage interest rate increases. (calculated monthly)	●	●
Mortgage Insurance Percentage (MI %)	<p>The percentage of loss coverage on the loan, at the time of Freddie Mac's purchase of the origination mortgage loan, that a mortgage insurer is providing to cover losses incurred as a result of a default on the loan. Only primary mortgage insurance that is purchased by the Borrower, lender or Freddie Mac is disclosed. The MI% obtained at time of origination remains unchanged when the loan is modified.</p> <p>Mortgage insurance that constitutes "credit enhancement" that is not required by Freddie Mac's Charter is not disclosed. Amounts of mortgage insurance reported by Sellers that are in excess of 55% will be disclosed as "Unknown," which will be indicated by a blank space.</p>	●	●

Modified Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Mortgage Loan Amount	The UPB of the modified mortgage as of the note modification. For modified mortgages with deferred amounts, the loan amount includes both the interest bearing and non-interest bearing UPB amounts.	●	●
Net Note Rate	The modified mortgage note rate, after the applicable servicing fee and guarantee fee have been subtracted.	●	●
Next Adjustment Date	For modified step rate mortgages, the next date on which the mortgage interest rate is scheduled to increase.	●	●
Next Step Rate	For modified step rate mortgages, the next mortgage interest rate to be in effect on the next scheduled interest rate adjustment date.	●	●
Note Rate	The note rate as indicated in the modification agreement.	●	●
Note Rate as of PC Issuance	The modified mortgage note rate as of its corresponding PC pool issuance date. For a modified step rate mortgage that has passed its first step rate adjustment, the note rate as of PC issuance may be different than the mortgage rate at loan modification.	●	
Number of Borrowers	The number of Borrower(s) who are obligated to repay the modified mortgage note secured by the mortgaged property. Disclosure denotes only whether there is one borrower or more than one borrower associated with the mortgage note. This disclosure will not be updated to reflect any subsequent assumption of the mortgage note.	●	●
Number of Modifications	The number of times the loan has been modified. Number of Modifications will be disclosed as "Unknown" if the Number of Modifications is greater than 5.	●	●
Number of Steps Remaining	The number of upward interest rate adjustments remaining on the modified step rate mortgage.	●	●
Number of Units	Denotes whether the modified mortgage is a one-, two-, three- or four-unit property. "Unknown" will be indicated by a blank space.	●	●
Periodic Cap Up %	For modified step rate mortgages, the maximum amount that the note rate may increase at each interest rate adjustment date, expressed in percentage points.	●	●
Product Type	Denotes if the mortgage is a fixed-rate mortgage.	●	●
Property State	A two-letter abbreviation indicating the state or territory within which the property securing the mortgage is located.	●	●
Property Type	Denotes whether the property type secured by the modified mortgage is a condominium, leasehold, planned unit development (PUD), cooperative share, manufactured home or single-family home. "Unknown" will be indicated by a blank space.	●	●
Rate Adjustment Frequency	For modified step rate mortgages, the number of months between interest rate adjustments.	●	●
Remaining Months to Maturity (RMM)	The number of scheduled monthly payments that, after giving effect to partial unscheduled principal payments, remain on the modified mortgage.	●	●
Seller Name	The entity acting in its capacity as a Seller of mortgages to Freddie Mac.	●	●
Servicer Name	The entity acting in its capacity as a Servicer of mortgages for Freddie Mac.	●	●

Modified Mortgage Loan-level Variables

Variable Name	Description	Inception	Monthly
Total Capitalized Amount	In the case of a modified mortgage, the amount of interest and non-interest arrearages added to the principal balance of a loan due to the most recent modification.	●	●
Terminal Step Rate	For modified step rate mortgages, the maximum mortgage interest rate in effect following the final scheduled interest rate adjustment date. Once the interest rate reaches the Terminal Step Rate, it is fixed for the remaining term of the mortgage.	●	●
Total Number of Steps	The number of upward interest rate adjustments per the modification agreement.	●	●
Updated Credit Score	In the case of a modified mortgage, the updated credit score is a number prepared by third parties, summarizing the borrower's creditworthiness, which may be indicative of the likelihood that the borrower will timely repay future obligations. For modified mortgages we obtain a new credit score consistent with the process used to underwrite the mortgages originally. If an updated credit score is unavailable or outside the range of 300 to 850, then we disclose "Unknown," which is indicated by a blank space.	●	●

The following disclosure variables, provided for loans backing Modified Fixed Rate PCs and Modified Step Rate PCs, pertain to the mortgage at time of origination, prior to any modifications occurring.

Modified Mortgage (at Time of Origination) Loan-level Variables

Variable Name	Description	Inception	Monthly
Origination Combined Loan-to-Value (CLTV)	The ratio was obtained by dividing the mortgage loan amount on the note date plus any secondary mortgage loan amount disclosed by the Seller by the lesser of the mortgaged property's appraised value on the note date or its purchase price. In the case of a refinance mortgage loan, the ratio was obtained by dividing the mortgage loan amount on the note date plus any secondary mortgage loan amount disclosed by the Seller by the mortgaged property's appraised value on the note date. If the secondary financing amount disclosed by the Seller included a home equity line of credit, then the CLTV calculation reflects the disbursed amount at closing of the first lien mortgage loan, not the maximum loan amount available under the home equity line of credit. In the case of a seasoned mortgage loan, if the Seller could not warrant that the value of the mortgaged property has not declined since the note date, Freddie Mac required that the Seller provide a new appraisal value, which was used in the CLTV calculation. Percentages below 6% or greater than 135% will be disclosed as "Unknown," which will be indicated by a blank space. This disclosure is subject to the widely varying standards originators use to calculate and / or report Borrowers' secondary mortgage loan amounts and will not be updated.	●	●
Origination Credit Score	A number prepared by third parties, summarizing the borrower's creditworthiness, which may be indicative of the likelihood that the borrower will timely repay future obligations. Generally, this credit score was used to originate the mortgage. An unavailable credit score or a credit score value less than 300 or greater than 850 will be disclosed as "unknown", which will be indicated by a blank space.	●	●
Origination Debt-to-Income (DTI) Ratio	Disclosure of the debt to income ratio is based on (1) the sum of the Borrower's monthly debt payments, including monthly housing expenses that incorporate the mortgage payment the Borrower is making at the time of the delivery of the mortgage loan to Freddie Mac, divided by (2) the total monthly income used to underwrite the Borrower as of the date of the origination of the mortgage loan. The debt to income ratio will not be updated. Percentages falling outside the range of greater than 0% and less than or equal to 65% will be disclosed as "Unknown," which will be indicated by a blank space. This disclosure is subject to the widely varying standards originators use to calculate and / or report Borrowers' income and liabilities.	●	●
Origination First Payment Date	The first payment due date of the origination mortgage.	●	●

Modified Mortgage (at Time of Origination) Loan-level Variables

Variable Name	Description	Inception	Monthly
Origination Initial Interest Flag	Denotes whether the origination mortgage was an Initial Interest mortgage. An Initial Interest mortgage requires (1) interest-only payments for a specified period of time beginning with the first payment date, and (2) P&I payments on a fully amortizing basis for the remainder of the mortgage term.	●	●
Origination Mortgage Loan Amount	The UPB of the origination mortgage on the note date.	●	●
Origination Loan Purpose	<p>Indicates whether the mortgage loan was a Cash-out Refinance mortgage, No Cash-out Refinance mortgage, a Purchase mortgage or a Modified Mortgage. If a Refinance is applicable, but the seller of the mortgage loan does not specify Cash-out Refinance or No Cash-out Refinance, "Refinance—Not Specified" is indicated. "Unknown" will be indicated by a blank space.</p> <p>A modified mortgage is a mortgage which has been modified for loss mitigation purposes.</p> <p>Generally, a Cash-out Refinance mortgage loan is a mortgage loan in which the use of the loan amount is not limited to specific purposes. A mortgage loan placed on a property previously owned free and clear by the Borrower is always considered a Cash-out Refinance mortgage loan.</p> <p>Generally, a No Cash-out Refinance mortgage loan is a mortgage loan in which the loan amount is limited to the following uses:</p> <ul style="list-style-type: none"> • Pay off the first mortgage, regardless of its age • Pay off any junior liens secured by the mortgaged property, that were used in their entirety to acquire the subject property • Pay related closing costs, financing costs and prepaid items, and • Disburse cash out to the Borrower (or any other payee) not to exceed 2% of the new refinance mortgage loan or \$2,000, whichever is less <p>As an exception to the above, for construction conversion mortgage loans and renovation mortgage loans, the amount of the interim construction financing secured by the mortgaged property is considered an amount used to pay off the first mortgage. Paying off unsecured liens or construction costs paid by the Borrower outside of the secured interim construction financing is considered cash out to the Borrower, if greater than \$2,000 or 2% of the loan amount.</p> <p>This disclosure is subject to various special exceptions used by Sellers to determine whether a mortgage loan is a No Cash-out Refinance mortgage loan.</p>	●	●
Origination Loan Term	<p>For fixed-rate, adjustable-rate, and Initial Interest mortgages, the number of scheduled monthly payments of the mortgage, between the first payment date and the maturity date of the mortgage at time of origination.</p> <p>For balloon/reset mortgages only, the number of scheduled monthly payments of the mortgage based on the note rate, P&I amount and mortgage loan amount of the mortgage at the time of origination.</p>	●	●
Origination LTV	<p>In the case of purchase mortgages, the ratio was obtained by dividing the mortgage loan amount on the note date by the lesser of the mortgaged property's appraised value on the note date or its purchase price.</p> <p>In the case of a refinance mortgage loan, the ratio was obtained by dividing the mortgage loan amount on the note date by the mortgaged property's appraised value on the note date.</p> <p>In the case of a seasoned mortgage loan, if the Seller could not warrant that the value of the mortgaged property has not declined since the note date, Freddie Mac required that the Seller provide a new appraisal value, which was used in the LTV calculation.</p> <p>Percentages below 6% or greater than 105% will be disclosed as "unknown," indicated by a blank space.</p>	●	●
Origination Maturity Date	The month and year in which the final monthly payment on the origination mortgage was scheduled to be made.	●	●
Origination Note Rate	The note rate as indicated on the mortgage note, at time of origination.	●	●
Origination Occupancy Status	Denotes whether the mortgage type at time of origination was owner occupied, second home, or investment property. "Unknown" will be indicated by a blank space.	●	●
Origination Product Type	Denotes whether the origination mortgage was a fixed-rate mortgage or an ARM.	●	●

Modified Mortgage (at Time of Origination) Loan-level Variables

Variable Name	Description	Inception	Monthly
Origination TPO	<p>Disclosure indicates whether a Broker or Correspondent, as those terms are defined below, originated or was involved in the origination of the mortgage loan. If a Third Party Origination is applicable, but the Seller does not specify Broker or Correspondent, the disclosure will indicate "TPO Not Specified." If a Broker, Correspondent or Third Party Origination disclosure is not applicable, the mortgage loan will be designated as Retail, as defined below.</p> <ul style="list-style-type: none"> • Broker is a person or entity that specializes in loan originations, receiving a commission (from a Correspondent or other lender) to match Borrowers and lenders. The Broker performs some or most of the loan processing functions, such as taking loan applications, or ordering credit reports, appraisals and title reports. Typically, the Broker does not underwrite or service the mortgage loan and generally does not use its own funds for closing; however, if the Broker funded a mortgage loan on a lender's behalf, such a mortgage loan is considered a "Broker" third party origination mortgage loan. The mortgage loan is generally closed in the name of the lender who commissioned the Broker's services. • Correspondent is an entity that typically sells the Mortgages it originates to other lenders, which are not Affiliates of that entity, under a specific commitment or as part of an ongoing relationship. The Correspondent performs some or all of the loan processing functions, such as taking the loan application, ordering credit reports, appraisals, and title reports, and verifying the Borrower's income and employment. The Correspondent may or may not have delegated underwriting and typically funds the mortgage loans at settlement. The mortgage loan is closed in the Correspondent's name and the Correspondent may or may not service the mortgage loan. The Correspondent may use a Broker to perform some of the processing functions or even to fund the loan on its behalf; under such circumstances, the mortgage loan is considered a "Broker" third party origination mortgage loan, rather than a "Correspondent" third party origination mortgage loan. • Retail Mortgage is a mortgage loan that is originated, underwritten and funded by a lender or its Affiliates. The mortgage loan is closed in the name of the lender or its Affiliate and if it is sold to Freddie Mac, it is sold by the lender or its Affiliate that originated it. A mortgage loan that a Broker or Correspondent completely or partially originated, processed, underwrote, packaged, funded or closed is not considered a Retail mortgage loan. • For purposes of the definitions of Correspondent and Retail, "Affiliate" means any entity that is related to another party as a consequence of the entity, directly or indirectly, controlling the other party, being controlled by the other party, or being under common control with the other party. 	●	●