Enterprises' Disclosure Technical Specification
for UMBS & all Single Class Securities
Version 1.0 - June 2016

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Revision History		
Date	Version	Action
6/30/2016	1.0	Enterprise Aligned Loan and Security Level File formats published.

For each disclosure file, we provide the following information:

File Attributes	
Column Name	Description
ID	The identifier for the data attribute.
Attribute Name	The business name for the data attribute.
Attribute Definition	The business definition for the data attribute.
Enumerations	If applicable, the allowable values for the data attribute.
Data Type	The classification for the data - numeric, string or date.
Format	The presentation of the data type.
Max Length	The maximum number of characters for the data attribute.
Implementation Notes	Additional information related to the data attribute for further clarification of assistance in processing the data.

File	Description	Issuance Timing	Monthly Timing
Loan Level [1]	The file containing loan level data attributes for the mortgage backed securities.	Business Day Intra-day processing: 6:30 am 11:30 am 3:30 pm	Business Day 4 4:30 pm
Security Level [1]	The file containing factor and weighted averages for the mortgage-backed security and single-class resecuritizations.		
Security Supplemental [1]	The file containing quartiles and the stratifications for the mortgage-backed security and single-class resecuritizations.		
Month-end Issuance Loan Level	The file containing the cumulative loan level data attributes for all the loans in mortgage-backed securities that were issued in the prior month.	Not applicable	Business Day 1 6:30 am
Month-end Issuance Security Level	The file containing the cumulative security-level data including factor and weighted averages for all the mortgage-backed securities and single-class resecuritizations that were issued the prior month.		
Month-end Security Supplemental Issuance File	The file containing the cumulative quartiles and the stratifications for all the mortgage-backed securities and single-class resecuritizations that were issued the prior month.		
Security Issuance Correction File	The file containing corrected factor and weighted averages for a mortgage-backed security and single-class resecuritization where a correction was required after the month of issuance but still during the offering period of the security.	Not applicable	Every business day, if applicable
Security Issuance Supplemental Correction File	The file containing corrected quartiles and the stratifications for a mortgage-backed security and single-class resecuritization where a correction was required after the month of issuance but still during the offering period of the security.		

[1] - Freddie Mac will publish a second set of files for Adjustable-rate mortgages (ARM), Modified, Reinstated, Multifamily and 75-Day payment delay Fixed-rate PC securities.

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
L-001	Loan Identifier	The unique designation assigned to the loan by the issuer.		String		12	
L-002	Loan Correction Indicator	The indicator denoting whether any attributes for the loan have changed from previous disclosures.	Y = Yes N = No A = Added D = Deleted	String		1	
L-003	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
L-004	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
L-005	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
L-006	Mortgage Loan Amount	The dollar amount of the loan as stated on the note at the time the loan was originated or modified. *For reperforming, modified fixed-rate and modified step-rate loans, this value represents both the interest bearing and non-interest bearing amount.*		Numeric	9.2	12	Privacy Masking: Rounded to nearest thousand if > $500
L-007	Issuance Investor Loan UPB	The unpaid principal balance of the loan as it contributes to the balance of the security at the time the security was issued.		Numeric	9.2	12	Privacy Masking: If loan age of <= 6 months, rounded to nearest thousand if > $500
L-008	Current Investor Loan UPB	The unpaid principal balance of the loan as it contributes to the current balance of the security.		Numeric	9.2	12	Privacy Masking: If loan age of <= 6 months, rounded to nearest thousand if > $500
L-009	Amortization Type	The classification of the loan as having either a fixed- or an adjustable-interest rate.	FRM = Fixed-Rate ARM = Adjustable-Rate	String		3	
L-010	Original Interest Rate	The interest rate of the loan as stated on the note at the time the loan was originated or modified.		Numeric	2.3	6	
L-011	Issuance Interest Rate	The interest rate of the loan in effect at the time the security was issued.		Numeric	2.3	6	
L-012	Current Interest Rate	The interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
L-013	Issuance Net Interest Rate	The interest rate of the loan at the time the security was issued less servicing fees and guarantor fees.		Numeric	2.3	6	
L-014	Current Net Interest Rate	The interest rate of the loan in effect during the current reporting period less servicing fees and guarantor fees.		Numeric	2.3	6	
L-015	First Payment Date	The month and year that the first scheduled payment on the loan is due.		Date	MMCCYY	6	
L-016	Maturity Date	The month and year that the final scheduled payment on the loan is due.		Date	MMCCYY	6	
L-017	Loan Term	The number of months in which regularly scheduled borrower payments are due.		Numeric		3	
L-018	Remaining Months to Maturity	The number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero. *For fixed-rate loans, this value takes into account the impact of any curtailments.*		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
L-019	Loan Age	The number of scheduled payments from the time the loan was originated or modified up to and including the current reporting period.		Numeric		3	
L-020	Loan-To-Value (LTV)	The ratio, expressed as a percentage, obtained by dividing the amount of the loan at origination by the value of the property. *Property value reflects either the lesser of the sales price or the appraised property value for a purchase, or the appraised property value for a refinance.* *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*	999 = Not Available	Numeric		3	
L-021	Combined Loan-To-Value (CLTV)	The ratio, expressed as a percentage, obtained by dividing the amount of all known outstanding loans at origination by the value of the property. *Property value reflects either the lesser of the sales price or the appraised property value for a purchase, or the appraised property value for a refinance.* *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*	999 = Not Available	Numeric		3	
L-022	Debt-To-Income (DTI)	The ratio obtained by dividing the total monthly debt expense by the total monthly income of the borrower at the time the loan was originated or modified.	999 = Not Available	Numeric		3	
L-023	Borrower Credit Score	The standardized credit score used to evaluate the borrower during the loan origination process. *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*	9999 = Not Available	Numeric		4	
L-024	Filler						
L-025	Filler						
L-026	Filler						
L-027	Number of Borrowers	The number of borrowers who, at the time the loan was originated, are obligated to repay the loan.	1 = 1 2 = 2 3 = 3 4 = 4 5 = 5 6 = 6 7 = 7 8 = 8 9 = 9 10 = 10 99 = Not Available	Numeric		2	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
L-028	First Time Home Buyer Indicator	The indicator denoting whether a borrower on the loan qualifies as a first-time homebuyer.	Y = Yes N = No 9 = Not Available	String		1	
L-029	Loan Purpose	The classification describing the purpose of the loan.	C = Refinance - Cash Out N = Refinance - No Cash Out R = Refinance - Not Specified P = Purchase M = Modified - Loss Mitigation 9 = Not Available	String		1	
L-030	Occupancy Status	The classification describing the property occupancy status at the time the loan was originated. *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*	P = Primary Residence S = Second Home I= Investment Property 9 = Not Available	String		1	
L-031	Number of Units	The number of dwelling units in the mortgaged property at the time the loan was originated.	1 = 1 2 = 2 3 = 3 4 = 4 99 = Not Available	Numeric		2	
L-032	Property Type	The classification describing the type of property that secures the loan.	CP = Cooperative CO = Condominium PU = Planned Unit Development SF = Single-Family MH = Manufactured Housing 99 = Not Available	String		2	
L-033	Channel	The origination channel used by the party that delivered the loan to the issuer. *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*	R = Retail B = Broker C = Correspondent T = Third Party Origination - Not Specified 9 = Not Available	String		1	
L-034	Property State	The abbreviation denoting the location of the property securing the loan.	See Appendix A	String		2	
L-035	Government Insured Guarantee	The classification describing the Government Insured/Guarantee Program, if any, covering the loan.	FH = FHA VA = Veterans Affair RH = Rural Housing IH = Section 184 Indian Home 99 = Not Available	String		2	Applicable only to Government Insured/Guarantee loans.
L-036	Seller Name	The name of the entity that sold the loan to the issuer.		String		100	Will not be updated after issuance, regardless of mergers/acquisitions.
L-037	Servicer Name	The name of the entity that services the loan during the current reporting period.		String		100	
L-038	Mortgage Insurance Percent	The percentage of mortgage insurance coverage obtained at origination in effect at the time the security was issued.	000= No MI 999= Not Available	String		3	
L-039	Mortgage Insurance Cancellation Indicator	The indicator denoting whether the mortgage insurance has been cancelled after the security was issued.	Y = Yes N = No 7 = Not Applicable	String		1	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
L-040	Assumability Indicator	The indicator denoting whether the loan is assumable by another borrower.	Y = Yes N = No	String		1	
L-041	Interest Only Loan Indicator	The indicator denoting whether the loan only requires interest payments for a specified period of time beginning with the first payment date.	Y = Yes N = No	String		1	
L-042	Interest Only First Principal and Interest Payment Date	For interest-only loans, the month and year that the first monthly scheduled fully amortizing principal and interest payment is due.		Date	MMCCYY	6	
L-043	Months to Amortization	For interest-only loans, the number of months from the current month to the first scheduled principal and interest payment date.		Numeric		3	
L-044	Prepayment Penalty Indicator	The indicator denoting whether the borrower is subject to a penalty for early payment of principal.	Y = Yes N = No	String		1	
L-045	Prepayment Penalty Total Term	The total number of months that the prepayment penalty may be in effect.	06 = 6 Months 12 = 1 Year 24 = 2 Years 36 = 3 Years 99 = Not Available	String		2	
L-046	Index	For adjustable-rate loans, the description of the index on which adjustments to the interest rate are based.	See Appendix A	String		3	
L-047	Mortgage Margin	For adjustable-rate loans, the number of percentage points to be added to the index to arrive at the new interest rate.		Numeric	2.3	6	
L-048	MBS/PC Margin	For adjustable-rate loans, the mortgage margin less servicing fees and guarantor fees.		Numeric	2.3	6	
L-049	Interest Rate Adjustment Frequency	For adjustable-rate loans, the number of months, excluding any fixed-rate period, between scheduled rate		Numeric		3	
L-050	Interest Rate Lookback	For adjustable-rate loans, the number of calendar days prior to the rate change date used to determine the effective index value required to calculate the next interest rate.		Numeric		3	
L-051	Interest Rate Rounding Method	For adjustable-rate loans, the designation of how the interest rate is rounded when a new interest rate is calculated.	DN = Down NE = Nearest UP = Up NO = No Rounding	String		2	
L-052	Interest Rate Rounding Method Percent	For adjustable-rate loans, the percentage to which the interest rate is rounded when a new interest rate is calculated.	01 = 0.25 02 = 0.125 03 = .01	String		2	
L-053	Convertibility Indicator	The indicator denoting whether the loan has a feature that allows the borrower to convert from an adjustable rate to a fixed rate.	Y = Yes N = No	String		1	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
L-054	Initial Fixed Rate Period	For adjustable-rate loans, the number of calendar months between the first full month the loan accrues interest and the first interest rate change date.	00 = <=6 Months 01 = 7-18 Months 02 = 19-30 Months 03 = 31-42 Months 04 = 43-54 Months 05 = 55-66 Months 06 = 67-78 Months 07 = 79-90 Months 08 = 91-102 Months 09 = 103-114 Months 10 = 115-126 Months 11 = 127-138 Months 12 = 139-150 Months 13 = 151-162 Months 14 = 163-174 Months 15 = 175-186 Months 16 = >186 Months	String		2	
L-055	Next Interest Rate Adjustment Date	For adjustable-rate loans, the month and year that the interest rate is next subject to change.		Date	MMCCYY	6	
L-056	Months to Next Interest Rate Adjustment Date	For adjustable-rate loans, the number of months from the current month to the next interest rate change date.		Numeric		3	
L-057	Life Ceiling Interest Rate	For adjustable-rate loans, the lifetime maximum interest rate.	77.777 - Not Applicable	Numeric	2.3	6	
L-058	Life Ceiling Net Interest Rate	For adjustable-rate loans, the maximum interest rate less servicing fees and guarantor fees.	77.777 - Not Applicable	Numeric	2.3	6	
L-059	Life Floor Interest Rate	For adjustable-rate loans, the lifetime minimum interest rate.	77.777 - Not Applicable	Numeric	2.3	6	
L-060	Life Floor Net Interest Rate	For adjustable-rate loans, the minimum interest rate less servicing fees and guarantor fees.	77.777 - Not Applicable	Numeric	2.3	6	
L-061	Initial Interest Rate Cap Up Percent	For adjustable-rate loans, the maximum percentage points the interest rate can adjust upward at the first interest rate change date.	77.777 - Not Applicable	Numeric	2.3	6	
L-062	Initial Interest Rate Cap Down Percent	For adjustable-rate loans, the maximum number of percentage points the interest rate can adjust downward at the first interest rate change date.	77.777 - Not Applicable	Numeric	2.3	6	
L-063	Periodic Interest Rate Cap Up Percent	For adjustable-rate loans, the maximum percentage points the interest rate can adjust upward at each interest rate change date after the first interest rate	77.777 - Not Applicable	Numeric	2.3	6	
L-064	Periodic Interest Rate Cap Down Percent	For adjustable-rate loans, the maximum percentage points the interest rate can adjust downward at each interest rate change date after the first interest rate	77.777 - Not Applicable	Numeric	2.3	6	
L-065	Loan Age As Of Modification	For reperforming, modified fixed-rate and modified step-rate loans, the number of scheduled payments from the time the loan was originated up to and including the current reporting period.		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
L-066	Modification Program	For reperforming, modified fixed-rate and modified step-rate loans, the program under which the loan was modified.	A = Alternative C = Classic B = HAMP Backup H = HAMP O = Other R = Regular S = Standard T = Streamlined U = Underwater 9 = Not Available	String		1	
L-067	Modification Type	For reperforming, modified fixed-rate and modified step-rate loans, the classification describing the type of modification.	R = Rate T = Term B = Rate & Term C = Capitalization F = Rate, Term & Forbearance O = Other	String		1	
L-068	Number of Modifications	For reperforming, modified fixed-rate and modified step-rate loans, the number of times the loan has been modified, at the time security was issued.		Numeric		3	
L-069	Total Capitalized Amount	For reperforming, modified fixed-rate and modified step-rate loans, the amount of interest and non-interest arrearages added to the principal balance as of the most recent modification.		Numeric	9.2	12	
L-070	Interest Bearing Mortgage Loan Amount	For reperforming, modified fixed-rate and modified step-rate loans, the interest bearing unpaid principal balance at the time of modification.		Numeric	9.2	12	Privacy Masking: Rounded to nearest thousand if > $500
L-071	Original Deferred Amount	For reperforming, modified fixed-rate and modified step-rate loans, the non-interest bearing unpaid principal balance at the time of modification. *The deferred amount is not included in the unpaid principal balance of the security and is not payable to the certificate holder.*		Numeric	9.2	12	Privacy Masking: Rounded to nearest thousand if > $500
L-072	Current Deferred UPB	For reperforming, modified fixed-rate and modified step-rate loans, the current non-interest bearing unpaid principal balance. *The deferred amount is not included in the unpaid principal balance of the security and is not payable to the certificate holder.*		Numeric	9.2	12	Privacy Masking: Rounded to nearest thousand if > $500
L-073	Interest Rate Step Indicator	The indicator denoting whether the modification includes a step rate.	Y = Yes N = No	String		1	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
L-074	Initial Step Fixed-Rate Period	For reperforming, modified step-rate loans, the number of months between the first payment date of the modified loan and the first step rate adjustment date.	00 = <=6 Months 01 = 7-18 Months 02 = 19-30 Months 03 = 31-42 Months 04 = 43-54 Months 05 = 55-66 Months 06 = 67-78 Months 07 = 79-90 Months 08 = 91-102 Months 09 = 103-114 Months 10 = 115-126 Months 11 = 127-138 Months 12 = 139-150 Months 13 = 151-162 Months 14 = 163-174 Months 15 = 175-186 Months 16 = >186 Months	Numeric		3	
L-075	Total Number of Steps	For reperforming, modified step-rate loans, the number of upward interest rate adjustments per the modification agreement.		Numeric		2	
L-076	Number of Remaining Steps	For reperforming, modified step-rate loans, the number of upward interest rate adjustments remaining.		Numeric		2	
L-077	Next Step Rate	For reperforming, modified step-rate loans, the scheduled interest rate in effect at the next step-rate		Numeric	2.3	6	
L-078	Terminal Step Rate	For reperforming, modified step-rate loans, the maximum 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.*		Numeric	2.3	6	
L-079	Terminal Step Date	For reperforming, modified step-rate loans, the final scheduled date on which the mortgage interest rate is scheduled to increase to its terminal step rate.		Date	MMCCYY	6	
L-080	Step Rate Adjustment Frequency	For reperforming, modified step-rate loans, the number of months between each interest rate adjustment.		Numeric		3	
L-081	Months to Next Step Rate Adjustment Date	For reperforming, modified step-rate loans, the number of months from the current month to the next date on which the mortgage interest rate increases.		Numeric		3	
L-082	Next Step Rate Adjustment Date	For reperforming, modified step-rate loans, the month and year that the interest rate is scheduled to increase.		Date	MMCCYY	6	
L-083	Periodic Step Cap Up Percent	For reperforming, modified step-rate loans, the maximum percentage points the interest rate may increase at each step rate adjustment date.		Numeric	2.3	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
L-084	Origination Channel	For reperforming, modified fixed-rate and modified step-rate loans, the origination channel used by the party that delivered the loan to the issuer.	R = Retail B = Broker C = Correspondent T = Third Party Origination - Not Specified 9 = Not Available	String		1	
L-085	Origination Interest Rate	For reperforming, modified fixed-rate and modified step-rate loans, the interest rate of the loan as stated on the note at the time the loan was originated.		Numeric	2.3	6	
L-086	Origination Mortgage Loan Amount	For reperforming, modified fixed-rate and modified step-rate loans, the dollar amount of the loan in the security as stated on the note at the time the loans were originated or modified.		Numeric	9.2	12	Privacy Masking: Rounded to nearest thousand if > $500
L-087	Origination Loan Term	For reperforming, modified fixed-rate and modified step-rate loans, the number of months in which regularly scheduled borrower payments are due as stated on the note at the time the loan was originated.		Numeric		3	
L-088	Origination First Payment Date	For reperforming, modified fixed-rate and modified step-rate loans, the month and year that the first scheduled payment on the loan was due as stated on the note at the time the loan was originated.		Date	MMCCYY	6	
L-089	Origination Maturity Date	For reperforming, modified fixed-rate and modified step-rate loans, the month and year in which the final payment on the loan was scheduled to be made at the time the loan was originated.		Date	MMCCYY	6	
L-090	Origination Loan-To-Value (LTV)	For reperforming, modified fixed-rate and modified step-rate loans, the ratio, expressed as a percentage, obtained by dividing the amount of the loan at origination by the value of the property. *Property value reflects either the lesser of the sales price or the appraised property value for a purchase, or the appraised property value for a refinance.*	999 = Not Available	Numeric		3	
L-091	Origination Combined Loan-To-Value (CLTV)	For reperforming, modified fixed-rate and modified step-rate loans, the ratio, expressed as a percentage, obtained by dividing the amount of all known outstanding loans at origination by the value of the property. *Property value reflects either the lesser of the sales price or the appraised property value for a purchase, or the appraised property value for a refinance.*	999 = Not Available	Numeric		3	
L-092	Origination Debt-To-Income Ratio	For reperforming, modified fixed-rate and modified step-rate loans, the ratio obtained by dividing the total monthly debt expense by the total monthly income of the borrower at the time the loan was originated.	999 = Not Available	Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
L-093	Origination Credit Score	For reperforming, modified fixed-rate and modified step-rate loans, the standardized credit score used to evaluate the borrower during the loan origination process.	9999 = Not Available	Numeric		4	
L-094	Filler						
L-095	Filler						
L-096	Filler						
L-097	Origination Loan Purpose	For reperforming, modified fixed-rate and modified step-rate loans, the classification of the loan as either a purchase money mortgage or a refinance mortgage at the time the loan was originated.	C = Refinance - Cash Out N = Refinance - No Cash Out R = Refinance - Not Specified P = Purchase 9 = Not Available	String		1	
L-098	Origination Occupancy Status	For reperforming, modified fixed-rate and modified step-rate loans, the classification describing the property occupancy status at the time the loan was originated.	P= Primary Residence S= Second Home I= Investment Property 9= Not Available	String		1	
L-099	Origination Amortization Type	For reperforming, modified fixed-rate and modified step-rate loans, the classification of the loan as having either a fixed- or an adjustable-interest rate as stated on the note at the time the loan was originated.	FRM = Fixed-Rate ARM = Adjustable-Rate	String		3	
L-100	Origination Interest Only Loan Indicator	For reperforming, modified fixed-rate and modified step-rate loans, the indicator denoting whether the loan only required interest payments for a specified period of time beginning with the first payment date as stated on the note at the time the loan was originated.	Y = Yes N = No	String		1	
L-101	Estimated Loan-To-Value (ELTV)	For reinstated, reperforming, modified fixed-rate and modified step-rate loans, the ratio obtained by dividing the outstanding balance of the mortgage loan by the estimated current value of the property obtained by the issuer, at the time of issuance.	999 = Not Available	Numeric		3	
L-102	Updated Credit Score	For reinstated, reperforming, modified fixed-rate and modified step-rate loans, the most recently available standardized credit score provided at the time of	9999 = Not Available	Numeric		4	
L-103	Filler						
L-104	Days Delinquent	For reperforming, modified and modified step-rate loans, the number of days for which a mortgage loan has been reported delinquent.	0 = Current 1 = 30-59 2 = 60-89 3 = 90-119 4 = 120+	Numeric		1	Applicable only for Fannie Mae issued securities for monthly disclosure.
L-105	Loan Performance History	For reperforming, modified and modified step-rate loans, the coded string of values that describes the previous payment performance of the loan at the time of issuance. *This string will contain 36 months of history for reperforming modified and modified step rate loans and 12 months for reinstated loans.*		String		150	Applicable only for Fannie Mae issued securities for at Issuance disclosure. The most recently reported activity is located in the last two spaces of the string.

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
S-01	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
S-02	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
S-03	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
S-04	Security Description	The unique designation of the security including abbreviated FED CODE , WA Net Interest Rate, Prefix and Security Identifier.		String		22	
S-05	Issuer	The name of the entity that issued the security.	FNM = Fannie Mae FRE = Freddie Mac	String		3	
S-06	Issue Date	The date on which the security was issued.		Date	MMDDCCYY	8	
S-07	Maturity Date	The month and year in which the final payment on the security is scheduled to be made at the time the security was issued.		Date	MMCCYY	6	
S-08	Updated Longest Maturity Date	The updated month and year in which the final payment on the security is scheduled to be made based on the longest maturity date of the remaining loans in the security.		Date	MMCCYY	6	
S-09	Issuance Investor Security UPB	The aggregate unpaid principal balance of the loans as they contribute to the balance of the security at the time the security was issued.		Numeric	14.2	17	
S-10	Current Investor Security UPB	The aggregate unpaid principal balance of the loans as they contribute to the current balance of the security.		Numeric	14.2	17	
S-11	Security Factor	The decimal value that, when multiplied by the Issuance Investor Security UPB amount, equals the Current Investor Security UPB amount.		Numeric	1.8	10	
S-12	WA Net Interest Rate	The weighted average interest rate of the loans at the time the security was issued less servicing fees and guarantor fees.		Numeric	2.3	6	
S-13	WA Issuance Interest Rate	The weighted average interest rate of the loans in effect at the time the security was issued.		Numeric	2.3	6	
S-14	WA Current Interest Rate	The weighted average interest rate of the loans in effect during the current reporting period.		Numeric	2.3	6	
S-15	WA Current Remaining Months to Maturity	The weighted average number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero. *For fixed-rate loans, this value takes into account the impact of any curtailments.*		Numeric		3	
S-16	WA Issuance Remaining Months to Maturity	The weighted average number of scheduled monthly payments that will reduce the Investor Loan UPB to zero, at the time the security was issued. *For fixed-rate loans, this value takes into account the impact of any curtailments.*		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
S-17	WA Loan Age	The weighted average number of scheduled payments from the time the loans were originated or modified up to and including the current reporting period.		Numeric		3	
S-18	WA Loan Term	The weighted average number of months in which regularly scheduled borrower payments are due.		Numeric		3	
S-19	WA Mortgage Loan Amount	The weighted average dollar amount of the loans as stated on the notes at the time the loans were originated or modified. *For reperforming, modified fixed-rate and modified step-rate loans, this value represents both the interest bearing and non-interest bearing amount.*		Numeric	9.2	12	
S-20	Average Mortgage Loan Amount	The simple average dollar amount of the loans as stated on the notes at the time the loans were originated or modified. *For reperforming, modified fixed-rate and modified step-rate loans, this value represents both the interest bearing and non-interest bearing amount.*		Numeric	9.2	12	
S-21	WA Loan-To-Value (LTV)	The weighted average ratio, expressed as a percentage, obtained by dividing the amount of the loans at origination by the value of the properties. *Property value reflects either the lesser of the sales price or the appraised property value for a purchase, or the appraised property value for a refinance.* *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*		Numeric		3	
S-22	WA Combined Loan-To-Value (CLTV)	The weighted average ratio, expressed as a percentage, obtained by dividing the amount of all known outstanding loans at origination by the value of the properties. *Property value reflects either the lesser of the sales price or the appraised property value for a purchase, or the appraised property value for a refinance.* *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*		Numeric		3	
S-23	WA Debt-To-Income (DTI)	The weighted average ratio obtained by dividing the total monthly debt expenses by the total monthly incomes of the borrowers at the time the loans were originated or modified.		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
S-24	WA Borrower Credit Score	The weighted average standardized credit score used to evaluate the borrower during the loan origination process. *For reperforming, modified fixed-rate and modified step-*		Numeric		4	
S-25	Filler						
S-26	Filler						
S-27	Loan Count	The total number of loans in the security.		Numeric		9	
S-28	Third Party Origination UPB Percent	The percentage of the aggregate Investor Loan UPB that were originated by a third party, to include Broker and Correspondent originations. *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*		Numeric	3.2	6	
S-29	Seller Name	The name of the entity that sold the loans to the issuer.		String		100	For Multi-lender/Majors, this field will reflect MULTIPLE For Giants/Megas, this field will reflect the value of SCR (Single-Class Resecuritization) Will not be updated after issuance, regardless of mergers/acquisitions.
S-30	Seller City	The city of the address of the entity that sold the loans to the issuer.		String		50	For Multi-lender/Majors/Giants/Megas the field will be blank.
S-31	Seller State	The state or territory of the address of the entity that sold the loans to the issuer.		String		2	For Multi-lender/Majors/Giants/Megas the field will be blank.
S-32	Servicer Name	The name of the entity that services the loan during the current reporting period.		String		100	For Multi-lender/Majors, this field will reflect MULTIPLE For Giants/Megas, this field will reflect the value of SCR (Single-Class Resecuritization)
S-33	Servicer City	The city of the address of the entity that services the loan.		String		50	For Multi-lender/Majors/Giants/Megas the field will be blank.
S-34	Servicer State	The state or territory of the address of the entity that services the loan.		String		2	For Multi-lender/Majors/Giants/Megas the field will be blank.
S-35	Delinquent Loans Purchased (Loan Count)	The number of loans that were purchased from the security due to delinquency status during the current reporting period.		Numeric		9	Applicable only for Monthly Disclosure
S-36	Delinquent Loans Purchased (Prior Month UPB)	The aggregate prior period Investor Loan UPB of the loans that were purchased from the security due to delinquency status during the current reporting period.		Numeric	14.2	17	Applicable only for Monthly Disclosure
S-37	Security Data Correction Indicator	The indicator denoting the data correction status of the security based on the current reporting period.	Y = Yes N = No	String		1	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
S-38	Security Status Indicator	The indicator denoting the status of the security based on the current reporting period.	A = Active P = Paid Off C = Collapsed D = Dissolved	String		1	
S-39	Security Notification Indicator	The indicator denoting whether the disclosure is preliminary and subject to change or final.	P = Preliminary F = Final 7 = Not Applicable	String		1	
S-40	Eligible for Resecuritization	The indicator denoting whether the security is eligible for resecuritization.	Y = Yes N = No	String		1	
S-41	Security Factor Date	The month and year on which the corresponding factor is effective.		Date	MMCCYY	6	
S-42	Notes	Additional information about the loans in the security.		String		2048	
S-43	Notes Ongoing	Additional information about the loans in the security.		String		2048	
S-44	Payment Delay Days	The indicator denoting whether the loans in the security participate in a 45 Day, 55 Day, or a 75 Day payment delay period at the time the security was issued.	45 = 45 Days 55 = 55 Days 75 = 75 Days	Numeric		2	
S-45	Interest Only Security Indicator	The indicator denoting whether the loans only require interest payments for a specified period of time beginning with the first payment date.	Y = Yes N = No	String		1	
S-46	WA Months to Amortization	For interest-only loans, the weighted average number of months from the current month to the first scheduled principal and interest payment date.		Numeric		3	
S-47	Subtype	For an adjustable-rate mortgage, the code that identifies ARM product characteristics and features.		String		20	Applicable only for Fannie Mae issued securities
S-48	Index	For adjustable-rate loans, the description of the index on which adjustments to the interest rate are based.	See Appendix A	String		3	
S-49	Initial Fixed Rate Period	For adjustable-rate loans, the number of calendar months between the first full month the loans accrue interest and the first interest rate change date.	00 = <=6 Months 01 = 7-18 Months 02 = 19-30 Months 03 = 31-42 Months 04 = 43-54 Months 05 = 55-66 Months 06 = 67-78 Months 07 = 79-90 Months 08 = 91-102 Months 09 = 103-114 Months 10 = 115-126 Months 11 = 127-138 Months 12 = 139-150 Months 13 = 151-162 Months 14 = 163-174 Months 15 = 175-186 Months 16 = >186 Months 55 = Mixed	String		2	
S-50	First Rate Adjustment Date	For adjustable-rate loans, the earliest First Rate Adjustment Date of the loans in the security.		Date	MMCCYY	6	Applicable only for Fannie Mae issued securities
S-51	First Payment Adjustment Date	For adjustable-rate loans, the earliest First Payment Adjustment Date of the loans in the security.		Date	MMCCYY	6	Applicable only for Fannie Mae issued securities

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
S-52	WA Months to Next Rate Adjustment Date	For adjustable-rate loans, the weighted average number of months from the current month to the next interest rate change date.		Numeric		3	
S-53	WA Net Accrual Interest Rate	For adjustable-rate loans, the weighted average Net Interest Rate less servicing fees and guarantor fees.		Numeric	2.3	6	
S-54	WA Life Interest Rate Ceiling	For adjustable-rate loans, the weighted average lifetime maximum interest rate.		Numeric	2.3	6	
S-55	WA Life Interest Rate Floor	For adjustable-rate loans, the weighted average lifetime minimum interest rate.		Numeric	2.3	6	
S-56	WA Net Life Interest Rate Ceiling	For adjustable-rate loans, the weighted average maximum interest rate less servicing fees and guarantor		Numeric	2.3	6	
S-57	WA Net Life Interest Rate Floor	For adjustable-rate loans, the weighted average minimum interest rate less servicing fees and guarantor fees.		Numeric	2.3	6	
S-58	WA Mortgage Margin	For adjustable-rate loans, the weighted average number of percentage points to be added to the index to arrive at the new interest rate.		Numeric	2.3	6	
S-59	WA MBS PC Margin	For adjustable-rate loans, the weighted average mortgage margin less servicing fees and guarantor fees.		Numeric	2.3	6	
S-60	Initial Interest Rate Cap Down %	For adjustable-rate loans, the maximum percentage points the interest rate can adjust downward at the first interest rate change date.	55.555 = Mixed	Numeric	2.3	6	
S-61	Initial Interest Rate Cap Up %	For adjustable-rate loans, the maximum percentage points the interest rate can adjust upward at the first interest rate change date.	55.555 = Mixed	Numeric	2.3	6	
S-62	Periodic Interest Rate Cap Down %	For adjustable-rate loans, the maximum percentage points the interest rate can adjust downward at each interest rate change date after the first interest rate	55.555 = Mixed	Numeric	2.3	6	
S-63	Periodic Interest Rate Cap Up %	For adjustable-rate loans, the maximum percentage points the interest rate can adjust upward at each interest rate change date after the first interest rate	55.555 = Mixed	Numeric	2.3	6	
S-64	Interest Rate Lookback	For adjustable-rate loans, the number of calendar days prior to the interest rate change date used to determine the effective index value required to calculate the next interest rate.	55.555 = Mixed	Numeric		3	
S-65	Interest Rate Adjustment Frequency	For adjustable-rate loans, the number of months, excluding any fixed-rate period, between scheduled rate	55.555 = Mixed	Numeric		3	
S-66	Payment Lookback	For negative amortizing adjustable-rate loans, the number of days prior to an payment effective date used to determine value when calculating a principal and interest payment.		Numeric		3	
S-67	Payment Adjustment Frequency	For adjustable-rate loans, the number of months between scheduled payment changes. For a security with an initial fixed-rate period, the payment adjustment frequency is the number of months between subsequent payment	555 = Mixed	Numeric		3	
S-68	Negative Amortization Indicator	For adjustable-rate loans, the indicator denoting whether the loans in the security allow negative amortization.	Y = Yes N = No 9 = Not Available	String		1	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
S-69	Negative Amortization Factor	For negative amortizing adjustable-rate loans, the decimal value that, when multiplied by the Issuance Investor Security UPB amount, equals the Negative Amortization amount.		Numeric	1.8	10	
S-70	WA Negative Amortization Limit	For negative amortizing adjustable-rate loans, the weighted average Negative Amortization Limit of the loans in the security.	777777777.77 = Not Applicable	Numeric	9.2	12	
S-71	Prepayment Penalty Indicator	The indicator denoting whether the security is subject to a penalty for early payment of principal.	Y = Yes N = No 9 = Not Available	String		1	
S-72	Reduced Minimum Servicing Indicator	The indicator denoting whether the loans in the security may have a reduced servicing fee.	Y = Yes N = No 9 = Not Available	String		1	
S-73	Convertibility Indicator	For adjustable-rate loans, the indicator denoting whether the loans in the security have a feature that allows the borrower to convert from an adjustable rate to a fixed rate.	Y = Yes N = No 9 = Not Available	String		1	
S-74	WA Origination Interest Rate	For reperforming, modified fixed-rate and modified step-rate loans, the weighted average interest rate of the loans as stated on the note at the time the loans were originated.		Numeric	2.3	6	
S-75	WA Origination Loan Term	For reperforming, modified fixed-rate and modified step-rate loans, the weighted average number of months in which regularly scheduled borrower payments are due as stated on the note at the time the loans were originated.		Numeric		3	
S-76	WA Origination Mortgage Loan Amount	For reperforming, modified fixed-rate and modified step-rate loans, the weighted average dollar amount of the loans in the security as stated on the notes at the time the loans were originated.		Numeric	9.2	12	
S-77	Average Origination Mortgage Loan Amount	For reperforming, modified fixed-rate and modified step-rate loans, the simple average dollar amount of the loans in the security as stated on the notes at the time the loans were originated. *This value represents both the interest bearing and non-interest bearing amount.*		Numeric	9.2	12	
S-78	WA Origination Loan-To-Value (LTV)	For reperforming, modified fixed-rate and modified step-rate loans, the weighted average ratio, expressed as a percentage, obtained by dividing the amount of the loans at origination by the values of the properties. *Property values reflect either the lesser of the sales price or the appraised property value for a purchase, or the appraised property value for a refinance.*		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
S-79	WA Origination Combined Loan-To-Value (CLTV)	For reperforming, modified fixed-rate and modified step-rate loans, the weighted average ratio, expressed as a percentage, obtained by dividing the amount of all known outstanding loans at origination by the value of the property. *Property values reflect either the lesser of the sales price or the appraised property value for a purchase, or the appraised property value for a refinance.*		Numeric		3	
S-80	WA Origination Debt-To-Income (DTI)	For reperforming, modified fixed-rate and modified step-rate loans, the weighted average ratio obtained by dividing the total monthly debt expense by the total monthly income of the borrower at the time the loan was originated.		Numeric		3	
S-81	WA Origination Credit Score	For reperforming, modified fixed-rate and modified step-rate loans, the weighted average standardized credit score used to evaluate the borrower during the loan origination process.		Numeric		4	
S-82	Filler						
S-83	Filler						
S-84	Origination Third Party Origination UPB Percent	For reperforming, modified fixed-rate and modified step rate loans, the percentage of the aggregate Investor Loan UPB that were originated by a third party, to include Broker and Correspondent originations.		Numeric	3.2	6	
S-85	Initial Step Fixed-Rate Period	For reperforming, modified step-rate loans, the number of months between the first payment date of the modified loan and the first step rate adjustment.	00 = <=6 Months 01 = 7-18 Months 02 = 19-30 Months 03 = 31-42 Months 04 = 43-54 Months 05 = 55-66 Months 06 = 67-78 Months 07 = 79-90 Months 08 = 91-102 Months 09 = 103-114 Months 10 = 115-126 Months 11 = 127-138 Months 12 = 139-150 Months 13 = 151-162 Months 14 = 163-174 Months 15 = 175-186 Months 16 = >186 Months 55 = Mixed	String		2	
S-86	Step Rate Adjustment Frequency	For reperforming, modified step-rate loans, the number of months between each interest rate adjustment.	555 = Mixed	Numeric		3	
S-87	Next Step Rate Adjustment Date	For reperforming, modified step-rate loans, the month and year that the interest rate is scheduled to increase.		Date	MMCCYY	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
S-88	WA Months to Next Step Rate Adjustment	For reperforming, modified step-rate loans, the weighted average number of months from the current month to the next date on which the mortgage interest rate		Numeric		3	
S-89	Periodic Step Rate Cap Up %	For reperforming, modified step-rate loans, the maximum percentage points the interest rate may increase at each step rate adjustment date.	55.555 = Mixed	Numeric	2.3	6	
S-90	WA Estimated Loan-To-Value (ELTV)	For reinstated, reperforming, modified fixed-rate and modified step-rate loans, the weighted average ratio obtained by dividing the outstanding balance of the mortgage loan by the estimated current value of the property obtained by the issuer, at the time of issuance.		Numeric		3	
S-91	WA Updated Credit Score	For reinstated, reperforming, modified fixed-rate and modified step-rate loans, the weighted average most recently available standardized credit score provided at the time of issuance.		Numeric		4	

Security Supplemental File Record Type Description			
Record Type #	Record Type Description	Record Type #	Record Type Description
1	Quartiles	22	Not Paying Principal in First Distribution Stratification
2	Next Rate Change Date (NRCD)	23	Origination Year Stratification
3	Loan-To-Value (LTV) Not Available Stratification	24	Origination Channel Stratification
4	Combined Loan-To-Value (CLTV) Not Available Stratification	25	Non-Standard Loan Type Stratification
5	Debt-To-Income (DTI) Not Available Stratification	26	Modification Program Stratification
6	Borrower Credit Score Not Available Stratification	27	Modification Type Stratification
7	Days Delinquent Stratification	28	Modification Information Stratification
8	Number of Borrowers Stratification	29	Number of Modifications Stratification
9	First Time Home Buyer Stratification	30	Deferred Unpaid Principal Balance Stratification
10	Loan Purpose Stratification	31	Estimated Loan-to-Value (ELTV) Not Available Stratification
11	Occupancy Status Stratification	32	Filler
12	Number of Units Stratification	33	Number of Remaining Steps Stratification
13	Property Type Stratification	34	Number of Steps - At Modification Stratification
14	Channel Stratification	35	Next Step Rate Adjustment Date Stratification
15	Property State Stratification	36	Origination Loan-To-Value (LTV) Not Available Stratification
16	Seller Name Stratification	37	Origination Combined Loan-To-Value (CLTV) Not Available Stratification
17	Servicer Name Stratification	38	Origination Debt-To-Income (DTI) Not Available Stratification
18	Mortgage Insurance Coverage Stratification	39	Filler
19	Mortgage Insurance Cancellation Indicator Stratification	40	Origination Loan Purpose Stratification
20	Government Insured/Guarantee Stratification	41	Origination Occupancy Status Stratification
21	Interest Only First Principal and Interest Payment Date Stratification	42	Borrower Payment History Stratification
		43	Collateral List

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-001	Record Type = 1	Quartiles		String		2	
SS-002	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-003	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-004	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-005	Quartile	Based on the Current Investor UPB for all of the active loans in a security, distributed across the following quartile data points: MIN, 25%, MED, 75%, MAX	MIN 25% MED 75% MAX	String		3	
SS-006	Mortgage Loan Amount	The dollar amount of the loan as stated on the note at the time the loan was originated or modified.

For reperforming, modified fixed-rate and modified step-rate loans, this value represents both the interest bearing and non-interest bearing amount. | | Numeric | 14.2 | 17 | |
SS-007	Interest Rate	The interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
SS-008	Net Interest Rate - Current	The interest rate of the loan in effect during the current reporting period less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-009	Loan Term	The number of months in which regularly scheduled borrower payments are due.		Numeric		3	
SS-010	Remaining Months to Maturity	The number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero.

For fixed-rate loans, this value takes into account the impact of any curtailments. | | Numeric | | 3 | |
| SS-011 | Loan Age | The number of scheduled payments from the time the loan was originated and modified up to and including the current reporting period. | | Numeric | | 4 | |
| SS-012 | Loan-To-Value (LTV) | The ratio, expressed as a percentage, obtained by dividing the amount of the loan at origination by the value of the property.

Property value reflects either the lesser of the sales price or the appraised property value for a purchase, or the appraised property value for a refinance.

For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank. | | Numeric | | 3 | |

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-013	Combined Loan-To-Value (CLTV)	The ratio, expressed as a percentage, obtained by dividing the amount of all known outstanding loans at origination by the value of the property. *Property value reflects either the lesser of the sales price or the appraised property value for a purchase, or the appraised property value for a refinance.* *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*		Numeric		3	
SS-014	Debt-To-Income (DTI)	The ratio obtained by dividing the total monthly debt expense by the total monthly income of the borrower at the time the loan was originated or modified.		Numeric		3	
SS-015	Borrower Credit Score	The standardized credit score used to evaluate the borrower during the loan origination process. *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*		Numeric		4	
SS-016	Filler						
SS-017	Filler						
SS-018	Updated Credit Score	For reinstated, reperforming, modified fixed-rate and modified step-rate loans, the most recently available standardized credit score provided at the time of issuance.		Numeric		4	
SS-019	Estimated Loan-To-Value (ELTV)	For reinstated, reperforming, modified fixed-rate and modified step-rate loans, the ratio obtained by dividing the outstanding balance of the mortgage loan by the estimated current value of the property obtained by the issuer, at the time of issuance.		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-020	Record Type = 2	Next Rate Change Date (NRCD)		String		2	
SS-021	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-022	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-023	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-024	Next Interest Rate Adjustment Date	For adjustable-rate loans, the month and year that the interest rate is next subject to change.		Date	MMCCYY	6	
SS-025	Months to Next Interest Rate Adjustment Date	For the stratified attribute of adjustable-rate loans, the number of months from the current month to the next interest rate change date.		Numeric		3	

SS-026	Interest Only First Principal and Interest Payment Date	For the stratified attribute for interest only adjustable-rate loans, the month and year that the first monthly scheduled fully amortizing principal and interest payment is due.		Date	MMCCYY	6	
SS-027	Aggregate Investor Loan UPB	For the stratified attribute of adjustable-rate loans, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-028	Percentage Investor Security UPB	For the stratified attribute of adjustable-rate loans, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-029	Aggregate Loan Count	For the stratified attribute of adjustable-rate loans, the total number of loans in the security.		Numeric		9	
SS-030	Percentage Loan Count	For the stratified attribute of adjustable-rate loans, the percentage of loans in the security.		Numeric	3.2	6	
SS-031	WA Current Interest Rate	For the stratified attribute of adjustable-rate loans, the weighted average interest rate of the loans in effect during the current reporting period.		Numeric	2.3	6	
SS-032	Current High Interest Rate	For the stratified attribute of adjustable-rate loans, the highest interest rate of the loans in effect during the current reporting period.		Numeric	2.3	6	
SS-033	Current Low Interest Rate	For the stratified attribute of adjustable-rate loans, the lowest interest rate of the loans in effect during the current reporting period.		Numeric	2.3	6	
SS-034	WA Current Net Interest Rate	For the stratified attribute of adjustable-rate loans, the weighted average interest rate of the loans in effect during the current reporting period less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-035	Current High Net Interest Rate	For the stratified attribute of adjustable-rate loans, the highest value interest rate of the loans in effect during the current reporting period less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-036	Current Low Net Interest Rate	For the stratified attribute of adjustable-rate loans, the lowest value interest rate of the loans in effect during the current reporting period less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-037	WA Mortgage Margin	For the stratified attribute of adjustable-rate loans, the weighted average number of percentage points to be added to the index to arrive at the new interest rate.		Numeric	2.3	6	
SS-038	High Mortgage Margin	For the stratified attribute of adjustable-rate loans, the highest number of percentage points to be added to the index to arrive at the new interest rate.		Numeric	2.3	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-039	Low Mortgage Margin	For the stratified attribute of adjustable-rate loans, the lowest number of percentage points to be added to the index to arrive at the new interest rate.		Numeric	2.3	6	
SS-040	WA MBS PC Margin	For the stratified attribute of adjustable-rate loans, the weighted average mortgage margin less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-041	MBS PC Margin High	For the stratified attribute of adjustable-rate loans, the highest value mortgage margin less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-042	MBS PC Margin Low	For the stratified attribute of adjustable-rate loans, the lowest value mortgage margin less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-043	WA Life Ceiling Interest Rate	For the stratified attribute of adjustable-rate loans, the weighted average lifetime maximum interest rate.		Numeric	2.3	6	
SS-044	Life Ceiling High Interest Rate	For the stratified attribute of adjustable-rate loans, the highest value lifetime maximum interest rate.		Numeric	2.3	6	
SS-045	Life Ceiling Low Interest Rate	For the stratified attribute of adjustable-rate loans, the lowest value lifetime maximum interest rate.		Numeric	2.3	6	
SS-046	WA Life Ceiling Net Interest Rate	For the stratified attribute of adjustable-rate loans, the weighted average maximum interest rate less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-047	Life Ceiling High Net Interest Rate	For the stratified attribute of adjustable-rate loans, the highest value maximum interest rate less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-048	Life Ceiling Low Net Interest Rate	For the stratified attribute of adjustable-rate loans, the lowest value maximum interest rate less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-049	WA Life Floor Interest Rate	For the stratified attribute of adjustable-rate loans, the weighted average lifetime minimum interest rate.		Numeric	2.3	6	
SS-050	Life Floor High Interest Rate	For the stratified attribute of adjustable-rate loans, the highest value lifetime minimum interest rate.		Numeric	2.3	6	
SS-051	Life Floor Low Interest Rate	For the stratified attribute of adjustable-rate loans, the lowest value lifetime minimum interest rate.		Numeric	2.3	6	
SS-052	WA Life Floor Net Interest Rate	For the stratified attribute of adjustable-rate loans, the weighted average minimum interest rate less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-053	Life Floor High Net Interest Rate	For the stratified attribute of adjustable-rate loans, the highest value minimum interest rate less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-054	Life Floor Low Net Interest Rate	For the stratified attribute of adjustable-rate loans, the lowest value minimum interest rate less servicing fees and guarantor fees.		Numeric	2.3	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-055	Record Type = 3	Loan-To-Value (LTV) Not Available Stratification *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*		String		2	Applicable only if security characteristics apply.
SS-056	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-057	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-058	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-059	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-060	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-061	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-062	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-063	Record Type = 4	Combined Loan-To-Value (CLTV) Not Available Stratification *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*		String		2	Applicable only if security characteristics apply.
SS-064	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-065	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-066	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-067	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-068	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-069	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-070	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-071	Record Type = 5	Debt-To-Income (DTI) Not Available Stratification		String		2	Applicable only if security characteristics apply.

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-072	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-073	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-074	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-075	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-076	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-077	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-078	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-079	Record Type = 6	Borrower Credit Score Not Available Stratification		String		2	Applicable only if security characteristics apply.
SS-080	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-081	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-082	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-083	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-084	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-085	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-086	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-087	Record Type = 7	Days Delinquent Stratification		String		2	Applicable only for monthly disclosure
SS-088	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-089	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-090	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-091	Days Delinquent	The number of days for which a mortgage loan has been reported delinquent.	1 = 30-59 2 = 60-89 3 = 90-119 4 = 120+	String		1	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-092	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-093	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-094	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-095	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-096	Record Type = 8	Number of Borrowers Stratification		String		2	
SS-097	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-098	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-099	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-100	Number of Borrowers	The number of borrowers who, at the time the loan is originated, are obligated to repay the loan.	1 2 > 2 99 = Not Available	String		2	
SS-101	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-102	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-103	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-104	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-105	Record Type = 9	First Time Home Buyer Stratification		String		2	
SS-106	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-107	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-108	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-109	First Time Home Buyer	The indicator denoting whether a borrower on the loan qualifies as a first-time homebuyer.	Y = Yes N = No 9 = Not Available	String		1	
SS-110	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-111	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-112	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-113	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-114	Record Type = 10	Loan Purpose Stratification		String		2	
SS-115	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-116	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-117	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-118	Loan Purpose	The classification describing the purpose of the loan.	C = Refinance - Cash Out N = Refinance - No Cash Out R = Refinance - Not Specified P = Purchase M = Modified - Loss Mitigation 9 = Not Available	String		1	
SS-119	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-120	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-121	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-122	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-123	Record Type = 11	Occupancy Status Stratification		String		2	
SS-124	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-125	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-126	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-127	Occupancy Status	The classification describing the property occupancy status at the time the loan was originated. *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*	P = Primary Residence S = Second Home I = Investment Property 9 = Not Available	String		1	
SS-128	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	

SS-129	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-130	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-131	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-132	Record Type = 12	Number of Units Stratification		String		2	
SS-133	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-134	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-135	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-136	Number of Units	The number of dwelling units in the mortgaged property at the time the loan was originated.	1 = 1 2 = 2 3 = 3 4 = 4 99 = Not Available	Numeric		2	
SS-137	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-138	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-139	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-140	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-141	Record Type = 13	Property Type Stratification		String		2	
SS-142	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-143	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-144	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-145	Property Type	The classification describing the type of property that secures the loan.	CP = Cooperative CO = Condominium PU = Planned Unit Development SF = Single-Family MH = Manufactured Housing 99 = Not Available	String		2	
SS-146	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-147	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-148	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-149	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-150	Record Type = 14	Channel Stratification		String		2	
SS-151	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-152	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-153	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-154	Channel	The origination channel used by the party that delivered the loan to the issuer. *For reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*	R = Retail B = Broker C = Correspondent T = Third Party Origination - Not Specified 9 = Not Available	String		1	
SS-155	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-156	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-157	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-158	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-159	Record Type = 15	Property State Stratification		String		2	
SS-160	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-161	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-162	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-163	Property State	The abbreviation denoting the location of the property securing the loan.	See Appendix A	String		2	
SS-164	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-165	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-166	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-167	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-168	Record Type = 16	Seller Name Stratification		String		2	
SS-169	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-170	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-171	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-172	Seller Name	The name of the entity that sold the loan to the issuer.		String		100	Will not be updated after issuance, regardless of mergers/acquisitions
SS-173	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-174	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-175	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-176	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	
SS-177	Minimum Loan Age	For the stratified attribute, the minimum number of scheduled payments from the time the loan was originated or modified up to and including the current reporting period.		Numeric		3	
SS-178	Maximum Loan Age	For the stratified attribute, the maximum number of scheduled payments from the time the loan was originated or modified to and including the current reporting period.		Numeric		3	
SS-179	Minimum Interest Rate	For the stratified attribute, the minimum interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
SS-180	Maximum Interest Rate	For the stratified attribute, the maximum interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
SS-181	Minimum Remaining Months to Maturity	For the stratified attribute, the minimum number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero.		Numeric		3	
SS-182	Maximum Remaining Months to Maturity	For the stratified attribute, the maximum number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero.		Numeric		3	
SS-183	WA Loan Age	For the stratified attribute, the weighted average number of scheduled payments from the time the loan was originated or modified up to and including the current reporting period.		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-184	WA Interest Rate	For the stratified attribute, the weighted average interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
SS-185	WA Remaining Months to Maturity	For the stratified attribute, the weighted average number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero.		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-186	Record Type = 17	Servicer Name Stratification		String		2	
SS-187	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-188	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-189	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-190	Servicer Name	The name of the entity that services the loan during the current reporting period.

Will reflect servicer names contributing > 1% of the Current Investor Security UPB. | | String | | 100 | |
SS-191	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-192	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-193	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-194	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	
SS-195	Minimum Loan Age	For the stratified attribute, the minimum number of scheduled payments from the time the loan was originated or modified up to and including the current reporting period.		Numeric		3	
SS-196	Maximum Loan Age	For the stratified attribute, the maximum number of scheduled payments from the time the loan was originated or modified up to and including the current reporting period.		Numeric		3	
SS-197	Minimum Interest Rate	For the stratified attribute, the minimum interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
SS-198	Maximum Interest Rate	For the stratified attribute, the maximum interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
SS-199	Minimum Remaining Months to Maturity	For the stratified attribute, the minimum number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero.		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-200	Maximum Remaining Months to Maturity	For the stratified attribute, the maximum number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero.		Numeric		3	
SS-201	WA Loan Age	For the stratified attribute, the weighted average number of scheduled payments from the time the loan was originated or modified to and including the current reporting period.		Numeric		3	
SS-202	WA Interest Rate	For the stratified attribute, the weighted average interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
SS-203	WA Remaining Months to Maturity	For the stratified attribute, the weighted average number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero.		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-204	Record Type = 18	Mortgage Insurance Coverage Stratification		String		2	
SS-205	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-206	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-207	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-208	Mortgage Insurance Coverage	The mortgage insurance coverage in effect at the time the security was issued.	WithMI = Loans With Mortgage Insurance NoMI = Loans Without Mortgage Insurance 99 = Not Available	String		6	
SS-209	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-210	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-211	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-212	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-213	Record Type = 19	Mortgage Insurance Cancellation Indicator Stratification		String		2	
SS-214	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-215	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	

SS-216	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-217	Mortgage Insurance Cancellation Indicator	The indicator denoting whether the mortgage insurance has been cancelled after the security was issued.	Y = Yes N = No 7 = Not Applicable	String		1	
SS-218	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-219	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-220	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-221	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-222	Record Type = 20	Government Insured/Guarantee Stratification		String		2	Applicable only to Government Insured/Guarantee loans.
SS-223	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-224	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-225	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-226	Government Insured/Guarantee	The classification describing the Government Insured/Guarantee Program, if any, covering the loan.	FH = FHA VA = Veterans Affair RH = Rural Housing IH = Section 184 Indian Home 99 = Not Available	String		2	
SS-227	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-228	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-229	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-230	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-231	Record Type = 21	Interest Only First Principal and Interest Payment Date Stratification		String		2	
SS-232	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-233	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	

SS-234	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-235	Interest Only First Principal and Interest Payment Date	For interest-only loans, the month and year that the first monthly scheduled fully amortizing principal and interest payment is due.		Date	MMCCYY	6	
SS-236	WA Months to Amortization	For the stratified attribute, the weighted average number of months from the current month to the first scheduled principal and interest payment date.		Numeric		3	
SS-237	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-238	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-239	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-240	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	
SS-241	Minimum Loan Age	For the stratified attribute, the minimum number of scheduled payments from the time the loan was originated or modified up to and including the current reporting period.		Numeric		3	
SS-242	Maximum Loan Age	For the stratified attribute, the maximum number of scheduled payments from the time the loan was originated or modified up to and including the current reporting period.		Numeric		3	
SS-243	Minimum Interest Rate	For the stratified attribute, the minimum interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
SS-244	Maximum Interest Rate	For the stratified attribute, the maximum interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
SS-245	Minimum Remaining Months to Maturity	For the stratified attribute, the minimum number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero.		Numeric		3	
SS-246	Maximum Remaining Months to Maturity	For the stratified attribute, the maximum number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero.		Numeric		3	
SS-247	WA Loan Age	For the stratified attribute, the weighted average number of scheduled payments from the time the loan was originated or modified up to and including the current reporting period.		Numeric		3	
SS-248	WA Interest Rate	For the stratified attribute, the weighted average interest rate of the loan in effect during the current reporting period.		Numeric	2.3	6	
SS-249	WA Remaining Months to Maturity	For the stratified attribute, the weighted average number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero.		Numeric		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-250	Record Type = 22	Not Paying Principal in First Distribution Stratification *Loans that will not receive a principal distribution in the first investor payment.*		String		2	Applicable only for at issuance for Single - Class (no resecuritizations)
SS-251	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-252	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-253	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-254	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-255	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-256	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-257	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-258	Record Type = 23	Origination Year Stratification		String		2	
SS-259	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-260	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-261	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-262	Origination Year	The year of origination of the loans in the security.		Date	CCYY	4	
SS-263	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-264	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-265	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-266	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-267	Record Type = 24	Origination Channel Stratification		String		2	
SS-268	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-269	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-270	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-271	Origination Channel	For reperforming, modified fixed-rate and modified step-rate loans, the origination channel used by the party that delivered the loan to the issuer.	R = Retail B = Broker C = Correspondent T = Third Party Origination - Not Specified 9 = Not Available	String		1	
SS-272	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-273	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-274	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-275	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-276	Record Type = 25	Non-Standard Loan Type Stratification		String		2	Applicable only for at issuance for Single - Class (no resecuritizations). Totals may exceed 100%.
SS-277	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-278	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-279	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-280	Non-Standard Loan Type	The non-standard loan characteristics included in the security.	COOP = Cooperative HIGH = FHFA High Cost Area BYDN = Interest-rate buydown RELO = Relocation	String		4	
SS-281	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-282	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-283	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-284	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-285	Record Type = 26	Modification Program Stratification		String		2	
SS-286	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-287	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-288	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-289	Modification Program	For reperforming, modified fixed-rate and modified step-rate loans, the program under which the loan was modified.	A = Alternative C = Classic B = HAMP Backup H = HAMP O = Other R = Regular S = Standard T = Streamlined U = Underwater 9 = Not Available	String		1	
SS-290	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-291	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-292	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-293	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-294	Record Type = 27	Modification Type Stratification		String		2	
SS-295	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-296	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-297	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-298	Modification Type	For reperforming, modified fixed-rate and modified step-rate loans, the classification describing the type of modification.	R = Rate T = Term B = Rate & Term C = Capitalization F = Rate, Term & Forbearance O = Other	String		1	
SS-299	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-300	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-301	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-302	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-303	Record Type = 28	Modification Information Stratification		String		2	
SS-304	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-305	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-306	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-307	Modification Information	For reperforming, modified fixed-rate and modified step-rate loans, the Total Capitalized Amounts and Deferred Unpaid Principal Balances of the loans in the security.	Total Capitalized Amount Deferred Unpaid Principal Balance	Numeric	9.2	12	
SS-308	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-309	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-310	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-311	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-312	Record Type = 29	Number of Modifications Stratification		String		2	
SS-313	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-314	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-315	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-316	Number of Modifications	For reperforming, modified fixed-rate and modified step-rate loans, the number of times the loan has been modified.	1 2 >2	Numeric		2	
SS-317	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-318	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-319	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-320	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-321	Record Type = 30	Deferred Unpaid Principal Balance Stratification *Applicable only for modified pools*		String		2	

SS-322	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-323	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-324	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-325	Deferred Unpaid Principal Balance	For reperforming, modified fixed-rate and modified step-rate loans, the non-interest bearing unpaid principal balance at the time of modification. *The deferred amount is not included in the unpaid principal balance of the security and is not payable to the certificate holder.*	WithDefUPB = With Deferred UPB NoDefUPB = Without Deferred UPB 99 = Not Available	String		10	
SS-326	Interest-Bearing UPB	For reperforming, modified fixed-rate and modified step-rate loans, the aggregate interest bearing unpaid principal balance at the time of modification.		Numeric	14.2	17	
SS-327	Deferred UPB	For reperforming, modified fixed-rate and modified step-rate loans, the aggregate non-interest bearing amount at the time of modification. This amount does not contribute to MBS.		Numeric	14.2	17	
SS-328	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-329	Weighted Average Interest Rate	For the stratified attribute, the weighted average interest rate of the loans in effect during the current reporting period.		Numeric	3.2	6	
SS-330	Weighted Average Estimated LTV (ELTV)	For the stratified attribute in reinstated, reperforming, modified fixed-rate and modified step-rate loans, the weighted average ratio obtained by dividing the outstanding balance of the mortgage loan by the estimated current value of the property obtained by the issuer, at the time of issuance.		Numeric		3	
SS-331	Weighted Average Updated Credit Score	For the stratified attribute in reinstated, reperforming, modified fixed-rate and modified step-rate loans, the weighted average most recently available standardized credit score provided at the		Numeric		4	
SS-332	Weighted Average Debt To Income (DTI) Ratio	For the stratified attribute in reinstated, reperforming, modified fixed-rate and modified step-rate loans, the weighted average ratio obtained by dividing the total monthly debt expense by the total monthly income of the borrower at the time the loan was originated or modified.		Numeric		3	

SS-333	Average Mortgage Loan Amount	For the stratified attribute in reinstated, reperforming, modified fixed-rate and modified step-rate loans, the simple average dollar amount of the loan as stated on the note at the time the loan was originated or modified. *For reperforming, modified fixed-rate and modified step-rate loans, this value represents both the interest bearing and non-interest bearing amount.*		Numeric	9.2	12	
SS-334	Property State 1	The abbreviation denoting the location of the property securing the loan for the stratified attribute. *Ranked #1 by Investor Loan UPB*	See Appendix A	String		2	
SS-335	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security that are associated with Property State #1 (ranked by Investor Loan UPB).		Numeric	14.2	17	
SS-336	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security that are associated with Property State #1 (ranked by Investor Loan UPB).		Numeric	3.2	6	
SS-337	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security that are associated with Property State #1 (ranked by Investor Loan UPB).		Numeric		9	
SS-338	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security with Property State #1 (ranked by Investor Loan UPB).		Numeric	3.2	6	
SS-339	Property State 2	The abbreviation denoting the location of the property securing the loan for the stratified attribute. *Ranked #2 by Investor Loan UPB*	See Appendix A	String		2	
SS-340	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security that are associated with Property State #2 (ranked by Investor Loan UPB).		Numeric	14.2	17	
SS-341	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security that are associated with Property State #2 (ranked by Investor Loan UPB).		Numeric	3.2	6	
SS-342	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security that are associated with Property State #2 (ranked by Investor Loan UPB).		Numeric		9	
SS-343	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security with Property State #2 (ranked by Investor Loan UPB).		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-344	Property State 3	The abbreviation denoting the location of the property securing the loan for the stratified attribute. *Ranked #3 by Investor Loan UPB*	See Appendix A	String		2	
SS-345	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security that are associated with Property State #3 (ranked by Investor Loan UPB).		Numeric	14.2	17	
SS-346	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security that are associated with Property State #3 (ranked by Investor Loan UPB).		Numeric	3.2	6	
SS-347	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security that are associated with Property State #3 (ranked by Investor Loan UPB).		Numeric		9	
SS-348	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security with Property State #3 (ranked by Investor Loan UPB).		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-349	Record Type = 31	Estimated Loan-to-Value (ELTV) Not Available Stratification *For non-reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*		String		2	Applicable only if security characteristics apply.
SS-350	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-351	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-352	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-353	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		String	14.2	17	
SS-354	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-355	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric	3.2	6	
SS-356	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric		9	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-357	Record Type = 32	Filler					
SS-358	Filler	Filler					
SS-359	Filler	Filler					
SS-360	Filler	Filler					
SS-361	Filler	Filler					

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-362	Filler	Filler					
SS-363	Filler	Filler					
SS-364	Filler	Filler					
SS-365	Filler	Filler					

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-366	Record Type = 33	Number of Remaining Steps Stratification		String		2	Applicable only for Freddie Mac securities
SS-367	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-368	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-369	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-370	Number of Remaining Steps	For reperforming, modified step-rate loans, the number of upward interest rate adjustments remaining.		Numeric		2	
SS-371	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-372	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-373	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-374	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-375	Record Type = 34	Number of Steps - At Modification Stratification		String		2	Applicable only for Freddie Mac securities
SS-376	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-377	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-378	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-379	Number of Steps - At Modification	For reperforming, modified step-rate loans, the number of upward interest rate adjustments at the time of modification.		Numeric		2	
SS-380	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-381	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-382	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-383	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-384	Record Type = 35	Next Step Rate Adjustment Date Stratification		String		2	Applicable only for Freddie Mac securities
SS-385	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-386	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-387	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-388	Next Step Rate Adjustment Date	For reperforming, modified step-rate loans, the month and year that the interest rate is scheduled to increase.		Date	MMCCYY	6	
SS-389	Projected WA Interest Rate	For reperforming, modified fixed-rate and modified step-rate loans, the projected weighted average of the expected interest rates in effect on the associated adjustment date, not accounting for prepayments.		Numeric	2.3	6	
SS-390	Projected WA Net Interest Rate	For reperforming, modified fixed-rate and modified step-rate loans, the projected weighted average of the expected interest rates in effect on the associated adjustment date, not accounting for prepayments less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-391	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-392	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-393	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-394	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-395	Record Type = 36	Origination Loan-To-Value (LTV) Not Available Stratification

For non- reperforming, modified fixed-rate and modified step-rate loans, this value will be blank. | | String | | 2 | Applicable only if security characteristics apply. |
| SS-396 | Prefix | The designation assigned by the issuer denoting the type of the loans and the security. | | String | | 3 | |
| SS-397 | Security Identifier | The unique designation assigned to the security by the issuer. | | String | | 6 | |

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-398	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-399	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-400	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-401	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-402	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-403	Record Type = 37	Origination Combined Loan-To-Value (CLTV) Not Available Stratification *For non- reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*		String		2	Applicable only if security characteristics apply.
SS-404	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-405	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-406	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-407	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-408	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-409	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-410	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-411	Record Type = 38	Origination Debt-To-Income (DTI) Not Available Stratification *For non- reperforming, modified fixed-rate and modified step-rate loans, this value will be blank.*		String		2	Applicable only if security characteristics apply.
SS-412	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-413	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-414	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	

SS-415	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-416	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-417	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-418	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-419	Record Type = 39	Filler					
SS-420	Filler	Filler					
SS-421	Filler	Filler					
SS-422	Filler	Filler					
SS-423	Filler	Filler					
SS-424	Filler	Filler					
SS-425	Filler	Filler					
SS-426	Filler	Filler					
SS-427	Filler	Filler					

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-428	Record Type = 40	Origination Loan Purpose Stratification		String		2	
SS-429	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-430	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-431	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-432	Origination Loan Purpose Stratification	For reperforming, modified fixed-rate and modified step-rate loans, the classification of the loan as either a purchase money mortgage or a refinance mortgage at the time the loan was originated.	C = Refinance - Cash Out N = Refinance - No Cash Out R = Refinance - Not Specified P = Purchase M = Modified - Loss Mitigation 9 = Not Available	String		1	
SS-433	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-434	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-435	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-436	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-437	Record Type = 41	Origination Occupancy Status Stratification		String		2	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-438	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-439	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-440	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-441	Origination Occupancy Status	For reperforming, modified fixed-rate and modified step rate loans, the classification describing the property occupancy status at the time the loan was originated.	P = Primary Residence S = Second Home I = Investment Property 9 = Not Available	String		1	
SS-442	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-443	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-444	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-445	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-446	Record Type = 42	Borrower Payment History Stratification		String		2	Applicable only for Freddie Mac securities
SS-447	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-448	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-449	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-450	Days Delinquent	For reperforming, modified and modified step-rate loans, the number of days for which a mortgage loan was reported delinquent.	0 = Current 1 = 30-59 2 = 60-89 3 = 90-119 4 = 120+	String		1	
SS-451	Borrower Payment Date	The month and year that the borrower was scheduled to remit payment. *Up to 36-months of payment history*		Date	MMCCYY	6	
SS-452	Aggregate Investor Loan UPB	For the stratified attribute, the sum of the Investor Loan UPB for the loans in the security.		Numeric	14.2	17	
SS-453	Percentage Investor Loan UPB	For the stratified attribute, the percentage of the Investor Loan UPB for the loans in the security.		Numeric	3.2	6	
SS-454	Aggregate Loan Count	For the stratified attribute, the total number of loans in the security.		Numeric		9	
SS-455	Percentage Loan Count	For the stratified attribute, the percentage of loans in the security.		Numeric	3.2	6	

ID	ATTRIBUTE NAME	ATTRIBUTE DEFINITION	ENUMERATIONS	DATA TYPE	FORMAT	MAX LENGTH	IMPLEMENTATION NOTES
SS-456	Record Type = 43	Collateral List		String		2	Applicable only for at issuance for Single - Class resecuritizations.
SS-457	Prefix	The designation assigned by the issuer denoting the type of the loans and the security.		String		3	
SS-458	Security Identifier	The unique designation assigned to the security by the issuer.		String		6	
SS-459	CUSIP	The unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-460	Collateral Security Identifier	For each security that directly underlies the resecuritization, the unique designation assigned to the security by the issuer.		String		6	
SS-461	Collateral CUSIP	For each security that directly underlies the resecuritization, the unique designation assigned to the security by the Committee on Uniform Securities Identification Procedures (CUSIP).		String		9	
SS-462	Collateral WA Net Interest Rate - Current	For each security that directly underlies the resecuritization, the weighted average interest rate of the loans in effect during the current reporting period less servicing fees and guarantor fees.		Numeric	2.3	6	
SS-463	Collateral Issue Date	For each security that directly underlies the resecuritization, the date on which the security was issued.		Date	MMDDCCYY	8	
SS-464	Collateral Issuer	The issuer for each security that directly underlies the resecuritization.		String		3	
SS-465	Collateral Maturity Date	For each security that directly underlies the resecuritization, the month and year that the final scheduled payment on the loan is due at the time of resecuritization.		Date	MMCCYY	6	
SS-466	Collateral Investor Security UPB - Issuance	For each security that directly underlies the resecuritization, the unpaid principal balance of the loans as they contribute to the balance of the security.		Numeric	12.2	15	
SS-467	Collateral Contributing Investor Security UPB - Issuance	For each security that directly underlies the resecuritization, the pro-rata share of the Investor Security UPB - Issuance amount .		Numeric	12.2	15	
SS-468	Collateral Contributing Investor Security UPB - Current	For each security that directly underlies the resecuritization, the pro-rata share of the Investor Security UPB - Current amount.		Numeric	12.2	15	
SS-469	Collateral WA Interest Rate at Settlement	For each security that directly underlies the resecuritization, the weighted average interest rate at the time of resecuritization.		Numeric	2.3	6	

SS-470	Collateral WA Remaining Months to Maturity at Settlement	For each security that directly underlies the resecuritization, the weighted average number of scheduled monthly payments that will reduce the Current Investor Loan UPB to zero at the time of resecuritization. *For fixed-rate loans, this value takes into account the impact of any curtailments.*		Numeric		3	
SS-471	Collateral WA Loan Age at Settlement	For each security that directly underlies the resecuritization, the weighted average number of scheduled payments from the time the loan was originated or modified up to and including the current reporting period at the time of		Numeric		3	
SS-472	Trust Identifier	An identifier assigned to the trust when established into a multiclass resecuritization.		String		50	
SS-473	Class Identifier	An identifier assigned to the class when established into a multiclass resecuritization.		String		4	
SS-474	Group Identifier	An identifier assigned to the group when established into a multiclass resecuritization.		String		5	

Property State Code Enumerations			
Enumeration	Enumeration Name	Enumeration	Enumeration Name
AK	Alaska	MO	Missouri
AL	Alabama	MS	Mississippi
AR	Arkansas	MT	Montana
AZ	Arizona	NC	North Carolina
CA	California	ND	North Dakota
CO	Colorado	NE	Nebraska
CT	Connecticut	NH	New Hampshire
DC	District of Columbia	NJ	New Jersey
DE	Delaware	NM	New Mexico
FL	Florida	NV	Nevada
GA	Georgia	NY	New York
GU	Guam	OH	Ohio
HI	Hawaii	OK	Oklahoma
IA	Iowa	OR	Oregon
ID	Idaho	PA	Pennsylvania
IL	Illinois	PR	Puerto Rico
IN	Indiana	RI	Rhode Island
KS	Kansas	SC	South Carolina
KY	Kentucky	SD	South Dakota
LA	Louisiana	TN	Tennessee
MA	Massachusetts	TX	Texas
MD	Maryland	UT	Utah
ME	Maine	VA	Virginia
MI	Michigan	VI	Virgin Islands
MN	Minnesota	VT	Vermont
MO	Missouri	WA	Washington
MS	Mississippi	WI	Wisconsin
MT	Montana	WV	West Virginia
NC	North Carolina	WY	Wyoming

ARM Index Enumerations			
Enumeration	Enumeration Name	Enumeration	Enumeration Name
001	11THDIST_DLY_GUAR_RATE	031	FRM_CONV_60DAY_30YR_AA_DLY
002	CD_6MO_SEC_MRKT_MNTH_AVG	032	FRM_CONV_60DAY_POSTED_YLD_AA
003	CD_6MO_WKLY	033	FRM_CONV_60DAY_POSTED_YLD_SA
004	CMT_10YR_MNTH	034	LIBOR_1MO_BBA_DLY
005	CMT_10YR_WKLY_AVG	035	LIBOR_1MO_WSJ_DLY
006	CMT_1YR_CUML_AVG_PRIOR12_MNTH_AVG	036	LIBOR_1MO_WSJ
007	CMT_1YR_CUML_AVG_4WKS_WKLY_AVG	037	LIBOR_1YR_WSJ
008	CMT_1YR_CUML_AVG_PREV12_MNTH_AVG	038	LIBOR_1YR_WSJ_DLY
009	CMT_1YR_MNTH_AVG	039	LIBOR_3MO_BBA_DLY
010	CMT_1YR_WKLY_AVG	040	LIBOR_6MO_BBA
011	CMT_2YR_WKLY_AVG	041	LIBOR_6MO_BBA_DLY
012	CMT_3YR_MNTH_AVG	042	LIBOR_6MO_WSJ
013	CMT_3YR_WKLY_AVG	043	LIBOR_6MO_WSJ_DLY
014	CMT_5YR _WKLY_AVG	044	LIBOR_6MO_WSJ_MNTH_AVG
015	CMT_5YR_CUML_AVG_4WKS_WKLY_AVG	045	MM_6MO_COMBANK_WKLY
016	CMT_5YR_MNTH_AVG	046	NTL_AVG_CONT_PREV_OCC
017	CMT_6MO_WKLY_AVG	047	NTL_AVG_EFFECTIVE_RATE
018	CMT_7YR_MNTH	048	PRIME_WSJ_DLY
019	CMT_BLEND_1YR_WKLY_AVG	049	RNY_FRE_30YR_60DAY_DLY
020	COFI_12MO_11THDIST_CUML_AVG	050	TBILL_1YR_DISC_MNTH_AVG
021	COFI_1MO_11THDIST	051	TBILL_1YR_DISC_WKLY_AVG
022	COFI_1MO_7THDIST	052	TBILL_6MO_CUML_AVG_PREV26_WKLY_AVG
023	COFI_1MO_NTL_MNTH_AVG	053	TBILL_6MO_DISC_CUML_AVG_PREV4_WKLY_AVG
024	COFI_6MO_11THDIST	054	TBILL_6MO_DISC_MNTH_AVG
025	COFI_6MO_CA	055	TBILL_6MO_DISC_WKLY
026	COFI_FED_QRTY_AVG	056	TBILL_6MO_INV_CUML_AVG_PREV4_WKLY_AVG
027	COFI_FRE	057	TBILL_6MO_INV_WKLY
028	COS_1MO_WELLSFARGO	058	TBILL_6MO_SEC_WKLY_AVG
029	FRM_CONV_30DAY_POSTED_YLD_AA	555	Mixed Indices
030	FRM_CONV_30DAY_POSTED_YLD_SA		