

Freddie Mac Mortgage-Backed Securities Disclosures:

Overview of Changes between Legacy and the Single Security Initiative Aligned Files



August 2017, Version 3

Objective



On August 28, 2017, Freddie Mac will begin generating PC (Level 1) and Giant PC (Level 2) disclosures in the Single Security Initiative aligned file formats. This resource highlights the various updates and changes made across the daily and monthly disclosure files for those Freddie Mac securities.

The REMIC (Level 3) aligned disclosure file formats will not be effective until Single Security is implemented, expected in 2Q 2019.

Disclosure Process Changes August 2017 Implementation Highlights



FileDaily Daily 6:30 AMMonthly 4th BD, 4:30PMFixed-Rate Loan LevelImage: Comparison of the second se	Legacy Disclosure Files & Timing (current)		
ARM Loan Level•New Issue•Breakout•Fixed-Rate Factor•ARM Factor•	File		4 th BD,
New IssueImage: Constraint of the second	Fixed-Rate Loan Level		
Breakout•Fixed-Rate Factor•ARM Factor•	ARM Loan Level		
Fixed-Rate Factor • ARM Factor •	New Issue		
ARM Factor	Breakout	•	•
	Fixed-Rate Factor		
Quartile	ARM Factor		
	Quartile		•

Aligned Disclosure Files & Timing (August 28, 2017)

Daily 6:30 AM	Monthly 4 th BD, 4:30PM
•	•
•	
•	

¹ Identical in format to the Security Core file

² Identical in format to the Security Supplemental file

³ Exchange files will be implemented prior to single security Go-Live in 2Q 2019

Highlights for August 2017 Implementation

Loan Level 2, Security Core 2 and Security Supplemental 2 disclosure files are specific to ARMs, Modified, Reinstated and 75-day Fixed-Rate mortgages.

Disclosure files for all products, across both daily issuance and monthly cycles, have been standardized into a uniform, enterprise aligned file format.

Certain amount fields will be rounded for either the first six months or for the life of the loan.

Attribute labels have been updated to align with industry data standards (MISMO).

All legacy instances of "Unknown" will now map to "Not Available" (high 9's).

File header and trailer records have been removed.

Aligned Disclosure File Changes New Data Attributes



Loan Level Files

- Assumability Indicator
- Days Delinquent (NA for FRE)
- **Government Insured Guarantee**

Interest Rate Rounding Method

Interest Rate Rounding Method %

Life Floor Interest Rate

Life Floor Net Interest Rate

Loan Correction Indicator

Loan Performance History (NA for FRE)

MI Cancellation Indicator

Prefix

Prepayment Penalty Total Term

Security Core Files

Eligible for Resecuritization First Payment Adjustment Date First Rate Adjustment Date Interest Only Security Indicator Issuer **Negative Amortization Indicator Payment Adjustment Frequency Payment Delay Days** Payment Lookback Prefix Security Data Correction Indicator **Security Description Security Status Indicator** Servicer City Servicer State Subtype (NA for FRE) WA Negative Amortization Limit WA Net Accrual Interest Rate (NA for FRE) Periodic Interest Rate Cap Down %

Security Supplemental Files (New Stratifications)

Collateral List

Government Insured/Guarantee

Mortgage Insurance Cancellation Indicator

Non-Standard Loan Type

Origination Borrower Credit Score Not Available

Origination Channel

Origination Combined Loan-to-Value (CLTV) Not Available Origination Debt-to-Income (DTI) Not Available

Origination Loan Purpose

Origination Loan-to-Value (LTV) Not Available

Origination Occupancy Status

Property Type

Aligned Disclosure File Changes Retired Data Attributes



Loan Level Attributes

- **Documentation Type Assets**
- **Documentation Type Employment**
- **Documentation Type Income**
- Metropolitan Statistical Area (MSA)
- **Initial Interest Period**

Security Break Out Attributes

- **Documentation Type Assets**
- **Documentation Type Employment**
- **Documentation Type Income**

Security Level Attributes		
First Conversion Date	Total – State Rank 1	
Investor Tax Flag - 1984	Total – Percentage Rank 1	
Investor Tax Flag - 1985	Total – State Rank 2	
Last Conversion Date	Total – Percentage Rank 2	
Percent UPB Pre-1984	Total – State Rank 3	
Percent UPB Pre-1985	Total – Percentage Rank 3	
Seller Address	WA Mortgage Margin (retired from monthly files)	
Seller Zip Code	Mortgage Margin Range - High	
Initial Interest Period	Mortgage Margin Range - Low	
Prepayment Penalty Factor	WA Remaining Maturity Range - High	
Total – Interest Bearing UPB	WA Remaining Maturity Range - Low	
Total – Deferred UPB	Component Margin Difference	
Total – Loan Count	Conversion UPB Balance Percent	
Total – WA Coupon	Component Sequence Number	
Total – WA Estimated LTV	Assumability	
Total – WA Updated Credit Score	Number of Steps at Issuance (Loan Count & Investor UPB)	
Total – WA DTI		
Total – Average Loan Size		



Business Threshold Effective Dates

"Not Available" business thresholds have been expanded with the implementation of the aligned disclosure formats. For the following attributes, initially disclosed values will be held static based on legacy thresholds. Only securities issued after August 28, 2017 will be subject to the expanded thresholds.

Attribute	Legacy: Issuance prior to August 28, 2017	Aligned: Issuance after August 28, 2017
Loan-to-Value (LTV)	< 6% or > 105%*	< 1% or > 998%
Combined Loan-to-Value (CLTV)	< 6% or > 135%	< 1% or > 998%
Estimated LTV (ELTV)	< 6% or > 300%	< 1% or > 998%
Origination LTV	< 6% or > 105%	< 1% or > 998%
Origination CLTV	< 6% or > 135%	< 1% or > 998%
Number of Borrowers		< 1 or > 10

* High LTV prefixes capped at 135%

Rounding of Amount Fields

For the following attributes, issuance values for securities issued prior to August 28, 2017 will be held static while securities issued after August 28, 2017 will be subject to the indicated rounding treatment.

Attribute	Aligned: Issuance after August 28, 2017
Current Deferred UPB	Rounded to nearest thousand
Current Investor Loan UPB	Rounded to nearest thousand if Loan Age <= 6 mos.
Interest Bearing Mortgage Loan Amount	Rounded to nearest thousand
Issuance Investor Loan UPB	Rounded to nearest thousand if Loan Age <= 6 mos.
Mortgage Loan Amount	Rounded to nearest thousand
Original Deferred Amount	Rounded to nearest thousand
Origination Mortgage Loan Amount	Rounded to nearest thousand

Aligned Disclosure File Changes Loan Age Calculation Update



In preparation for the Single Security implementation in 2Q 2019, Freddie Mac has aligned with Fannie Mae's Loan Age calculation.

Current Calculation Method:

Loan Age = ((As of Date (MM/YY) – Loan Origination Date (MM/YY)) – 1)

- Note: To ensure the age measurement commences with the first full month after the note origination month, we subtract 1.
- Cap = (Product Term * 12) Remaining Months to Maturity + 2
- If Loan Origination Date is not valid or is null, set the loan age to Cap value.
- If loan age > Cap, set the loan age to Cap value.
- If loan age < 0, set loan age to 0.

Future Calculation Method:

Loan Age = ((As of Date (MM/YY) – First Payment Date (MM/YY)) + 1)

If Loan Age > Loan Term, set to prior month Loan Age + 1

The Loan Age calculation was changed to use the First Payment Date as opposed to the Note Origination Date. There should be no difference between the outputs of the two methods for a vast majority of Freddie Mac's loans and securities.

Aligned Disclosure File Changes ARM Index Conversion



The aligned disclosure file formats leverage an enumerated code for the Index rather than a description. This mapping converts the current description to the new aligned Index code. Although there are additional index codes reflected in the aligned technical specification, only these indices apply to Freddie Mac ARM securities.

Current Index Description	New Aligned Index Code
6 MO CD SECONDARY MARKET RATE	02
10 YR WEEKLY CMT	05
12 MO MOVING AV OF 1 YR MONTHLY CMT	08
1 YR MONTHLY CMT	09
1 YR WEEKLY CMT	10
2 YR WEEKLY CMT	11
3 YR MONTHLY CMT	12
3 YR WEEKLY CMT	13
5 YR WEEKLY CMT	14
5 YR MONTHLY CMT	16
7 YR MONTHLY CMT	18
11TH DISTRICT COFI MONTHLY	21
7TH DISTRICT COFI MONTHLY	22
NTL MONTHLY MEDIAN COFI	23
VARIABLE INT RATE SEMIANNUAL COFI FOR CA	25
FEDERAL COFI	27
1 MO LIBOR WSJ 25TH DAY OF MO	36

Current Index Description	New Aligned Index Code
1 YR LIBOR - WSJ	38
6 MO LIBOR WSJ	42
6 MO LIBOR WSJ	43
6 MO LIBOR WSJ 15TH DAY OF MO	44
NTL AV CONTRACT MORTGAGE RATE	46
BANK PRIME LOAN RATE	48
FH 60 DAY REQUIRED NET YIELD (IMPROVING RATE MTG)	49
6 MO TSY BILL AUCTION DISCOUNT RATE MONTHLY AV	54
6 MO TSY BILL AUCTION DISCOUNT RATE	55
6 MO TSY BILL AUCTION INVESTMENT RATE	57
6 MO TSY BILL WEEKLY SECONDARY MARKET RATE	58
5 YR INTEREST RATE SWAP	59
4TH DISTRICT COFI MONTHLY	60

MULTIFAMILY Current Index Description	MULTIFAMILY New Index Code
11 TH DISTRICT COFI MONTHLY	05
12 MO MOVING AV OF 1 YR MONTHLY CMT	28
5 YR TREASURY – LKBK SEE OCS	950
CPC-GNMA EQUIVALENT – LKBK SEE OCS	954

Multifamily indices were out of scope for GSE alignment. Current descriptions have been retained.

Aligned Disclosure File Changes Attribute Precision Logic



An update is being made to the precision logic that is applied to the following attributes and may result in a slight difference in the output values.

Attribute	Current Precision Logic	Future Precision Logic
WA Mortgage Loan Amount	Round to the nearest whole dollar	Round to the second decimal place
Average Mortgage Loan Amount	Round to the nearest whole dollar	Round to the second decimal place
WA Months to Amortization	Truncate to one-hundredth decimal place	Round to nearest whole number
WA Life Interest Rate Ceiling	Truncate to one-thousandth decimal place	Round to the third decimal place
WA Months to Next Rate Adjustment Date	Truncate to one-hundredth decimal place	Round to nearest whole number
WA MBS / PC Margin	Truncate to one-thousandth decimal place	Round to the third decimal place
WA Interest Rate	Truncate to one-thousandth decimal place	Round to the third decimal place
WA Origination Mortgage Loan Amount	Round to the nearest whole dollar	Round to the second decimal place
Average Origination Mortgage Loan Amount	Round to the nearest whole dollar	Round to the second decimal place
WA Months to Next Step Rate Adjustment Date	Truncate to one-hundredth decimal place	Round to nearest whole number

Loan Level Disclosure File Changes Attribute Enumerations



The following attributes have been updated with new valid value enumerations at both the loan level as well as for stratifications on the security supplemental file.

Property Type		
Legacy	Aligned	
CO = Condo	CO = Condominium	
LH = Leasehold	SF = Single-Family	
PU = PUD	PU = Planned Urban Development	
MH = Manufactured Housing	MH = Manufactured Housing	
SF = 1-4 Fee Simple	CP = Cooperative	
CP = Co-op	99 = Not Available	
Space(2) = Unknown		

Occupancy Status & Origination Occupancy Status		
Legacy Aligned		
O = Owner Occupied P = Primary Residence		
I = Investment Property I = Investment Property		
S = Second Home S = Second Home		
Space = Unknown 9 = Not Available		

Modification Program		
Legacy	Aligned	
A = Alternative	A = Alternative	
B = HAMP Backup	B = HAMP Backup	
C = Classic	C = Classic	
H = HAMP	H = HAMP	
O = Other	O = Other	
S = Standard	S = Standard	
T = Streamlined	T = Streamlined	
U = Underwater	U = Underwater	
	R = Regular	
	9 = Not Available	

Number of Borrowers		
Legacy	Aligned	
01 = 1 borrower	1 = 1	
02 = >1 borrowers	2 = 2	
	3 = 3	
	4 = 4	
	5 = 5	
	6 = 6	
	7 = 7	
	8 = 8	
	9 = 9	
	10 = 10	
	99 = Not Available	

Loan Level Disclosure File Changes Attribute Enumerations (cont.)



Initial Fixed-Rate Period		
Legacy	Aligned	
00 = Not Applicable	00 = <= 6 months	
02 = 18-30 months	01 = 7-18 months	
03 = 30-42 months	02 = 19-30 months	
04 = 42-54 months	03 = 31-42 months	
05 = 54-66 months	04 = 43-54 months	
06 = 66-78 months	05 = 55-66 months	
07 = 78-90 months	06 = 67-78 months	
08 = 90-102 months	07 = 79-90 months	
09 = 102-114 months	08 = 91-102 months	
10 = 114-126 months	09 = 103-114 months	
15 = 174-186 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	

Initial Step Fixed-Rate Period		
Legacy	Aligned	
05 = 48-72 months	00 = <= 6 months	
Space(2) = Not Applicable	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	

Days Delinquent (NEW)	P
0 = Current	
1 = 30-59	06 =
2 = 60-89	12 =
3 = 90-119	24 =
4 = 120+	36 =
	00.

Prepayment Penalty Total Term (NEW)		
06 = 6 Months		
12 = 1 Year		
24 = 2 Years		
36 = 3 Years		
99 = Not Available		

Government Insured Guarantee (NEW)
FH = FHA
VA = Veterans Affair
RH = Rural Housing
IH = Indian Housing
99 = Not Available

Interest Rate Ro	ounding
Method (NI	EW)

N	=	DO	w	n

NE = Nearest

UP = Up

NO = No Rounding

Loan Level Disclosure File Changes Attribute Labels



Legacy	Aligned	Legacy	Aligned
Product Type	Amortization Type	Rate Adjustment Frequency	Interest Rate Adjustment Frequency
New Attribute	Assumability Indicator *	Lookback	Interest Rate Lookback
Credit Score	Borrower Credit Score	New Attribute	Interest Rate Rounding Method
Third Party Origination (TPO) Flag	Channel	New Attribute	Interest Rate Rounding Method Percent
Combined Loan-To-Value (CLTV)	Combined Loan-To-Value (CLTV)	Interest Rate Step Indicator	Interest Rate Step Indicator *
Convertible	Convertibility Indicator	Note Rate As Of PC Issuance	Issuance Interest Rate
Deferred UPB	Current Deferred UPB	Investor UPB	Issuance Investor Loan UPB
Current Interest Rate	Current Interest Rate	Net Note Rate	Issuance Net Interest Rate
Current Unpaid Principal Balance	Current Investor Loan UPB	Maximum Lifetime Rate	Life Ceiling Interest Rate
Current Net Note Rate	Current Net Interest Rate	Net Maximum Lifetime Rate	Life Ceiling Net Interest Rate
CUSIP Number	CUSIP	New Attribute	Life Floor Interest Rate
New Attribute (NA for FRE)	Days Delinquent	New Attribute	Life Floor Net Interest Rate
Debt-To-Income (DTI)	Debt-To-Income (DTI)	Loan Age	Loan Age
Estimated Loan-To-Value (LTV)	Estimated Loan-To-Value (ELTV)	Loan Age As Of Modification Date	Loan Age As Of Modification
First Payment Date	First Payment Date	Correction Flag	Loan Correction Indicator
First Time Home Buyer Flag	First Time Home Buyer Indicator	Loan Sequence Number	Loan Identifier
New Attribute	Government Insured Guarantee	New Attribute (NA for FRE)	Loan Performance History
Index	Index	Loan Purpose	Loan Purpose
Initial Fixed Rate Period for Hybrid	Initial Fixed Rate Period	Loan Term	Loan Term
ARMS		Loan-To-Value (LTV)	Loan-To-Value (LTV)
Initial Cap Down %	Initial Interest Rate Cap Down Percent	Maturity Date	Maturity Date
Initial Cap Up %	Initial Interest Rate Cap Up Percent	Net Mortgage Margin	MBS PC Margin
Initial Fixed Rate Period	Initial Step Fixed-Rate Period	Modification Program	Modification Program
Interest Bearing Mortgage Loan Amount	Interest Bearing Mortgage Loan Amount	Modification Type	Modification Type
Initial Interest First Principal and	Interest Only First Principal and Interest	Months to Amortize	Months to Amortization
Interest (P&I) Payment Date	Payment Date	Months to Adjust	Months to Next Interest Rate Adjustment
Initial Interest Flag	Interest Only Loan Indicator *	· · · · · · · · · · · · · · · · · · ·	Date

* These attributes will be retroactively populated for all securities in the new aligned file formats (includes new enumerations to existing attributes).

Loan Level Disclosure File Changes Attribute Labels (cont.)



Legacy	Aligned	Legacy	Aligned
Months to Adjust	Months to Next Step Rate Adjustment Date	Origination Loan-To-Value (LTV)	Origination Loan-To-Value (LTV)
New Attribute	Mortgage Insurance Cancellation Indicator	Origination Maturity Date	Origination Maturity Date
Mortgage Insurance Percentage (MI %)	Mortgage Insurance Percent	Origination Loan Amount	Origination Mortgage Loan Amount
Mortgage Loan Amount	Mortgage Loan Amount	Origination Occupancy Status	Origination Occupancy Status *
Gross Mortgage Margin	Mortgage Margin	Periodic Cap %	Periodic Interest Rate Cap Down
Next Adjustment Date	Next Interest Rate Adjustment Date	Periodic Cap %	Percent Periodia Interest Pate Can Un Percent
Next Step Rate	Next Step Rate	•	Periodic Interest Rate Cap Up Percer
Next Adjustment Date	Next Step Rate Adjustment Date	Periodic Cap Up %	Periodic Step Cap Up Percent
Number of Borrowers	Number of Borrowers	New Attribute	Prefix *
Number of Modifications	Number of Modifications	Prepayment Penalty Mortgage (PPM) Flag	Prepayment Penalty Indicator
Number of Remaining Steps	Number of Remaining Steps	New Attribute	Prepayment Penalty Total Term
Number of Units	Number of Units	Property State	Property State
Occupancy Status	Occupancy Status *	Property Type	Property Type *
Deferred Amount	Original Deferred Amount	Remaining Months to Maturity (RMM)	Remaining Months to Maturity
Note Rate	Original Interest Rate	Pool Number	Security Identifier
Origination Product Type	Origination Amortization Type	Seller Name	Seller Name
Origination Third Party Originator	Origination Channel	Servicer Name	Servicer Name
TPO) Drigination Combined Loan-To-Value	Origination Combined Loan-To-Value	Rate Adjustment Frequency	Step Rate Adjustment Frequency
CLTV)	(CLTV)	Date of Terminal Step	Terminal Step Date
Drigination Credit Score	Origination Credit Score	Terminal Step Rate	Terminal Step Rate
Drigination Debt-To-Income Ratio	Origination Debt-To-Income Ratio	Total Capitalized Amount	Total Capitalized Amount
Drigination First Payment Date	Origination First Payment Date	Total Number of Steps	Total Number of Steps
Drigination Initial Interest Flag	Origination Interest Only Loan Indicator	Updated Credit Score	Updated Credit Score
Drigination Note Rate	Origination Interest Rate		
Drigination Loan Purpose	Origination Loan Purpose		
Drigination Loan Term	Origination Loan Term		

These attributes will be retroactively populated for all securities in the new aligned file formats (includes new enumerations to existing attributes).

Security Level Disclosure File Changes Attribute Enumerations



The following attributes have been updated with new valid value enumerations at the security core file level.

Security Noti	fication Indicator	Negative Amortization	Convertibility Indicator (NEW
Legacy	Aligned	Indicator (NEW)	Y = Yes
P = Preliminary	P = Preliminary	Y = Yes	N = No
Null = Final	F = Final	N = No	9 = Not Available
C = Corrected Info	7 = Not Applicable	9 = Not Available	
Security Data Correction Indicator (NEW)	Interest Only Indicator (NEW)	WA Negative Amortization Limit (NEW)	Payment Adjustment Frequency (NEW)
Y = Yes	Y = Yes	777.777 = Not Applicable	555 = Mixed value
N = No	N = No		
		Interest Rate Lookback	Step Rate Adjustment
Security Status Indicator (NEW)	Payment Delay Days (NEW)	555 = Mixed value	Frequency
A = Active	45 = 45 Days		555 = Mixed value
P = Paid Off	55 = 55 Days	Interest Rate Adjustment	
C = Collapsed	75 = 75 Days	Frequency	Periodic Interest Rate Cap U
D = Dissolved		555 = Mixed value	%
			55.555 = Mixed value
Issuer (NEW)	Eligible for Resecuritization (NEW)		
FNM = Fannie Mae	Y = Yes	Periodic Interest Rate Cap Down %	Periodic Step Rate Cap Up
FRE = Freddie Mac	N = No	55.555 = Mixed value	55.555 = Mixed value

Security Level Disclosure File Changes Attribute Enumerations (cont.)



Initial Fixed-Rate Period		
Legacy	Aligned	
2 = 18-30 months	00 = <= 6 months	
3 = 30-42 months	01 = 7-18 months	
4 = 42-54 months	02 = 19-30 months	
5 = 54-66 months	03 = 31-42 months	
6 = 66-78 months	04 = 43-54 months	
7 = 78-90 months	05 = 55-66 months	
8 = 90-102 months	06 = 67-78 months	
9 = 102-114 months	07 = 79-90 months	
10 = 114-126 months	08 = 91-102 months	
15 = 174-186 months	09 = 103-114 months	
666 = Mixed value	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 value	

Initial Step Fixed-Rate Period		
Legacy	Aligned	
5 = 48-72 months	00 = <= 6 months	
Space(2) = Not applicable	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 value	

Initial Interest Rate Cap Up %			
Legacy Aligned			
66.666 = Mixed initial cap	55.555 = Mixed value		
77.777 = Null			

Initial Interest Rate Cap Down %			
Legacy Aligned			
66.666 = Mixed initial cap	cap 55.555 = Mixed value		
77.777 = Null			

Security Level Disclosure File Changes Attribute Labels



Legacy	Aligned	
Average Loan Size	Average Mortgage Loan Amount	Maturity Date
Average Origination Loan Size	Average Origination Mortgage Loan Amount	Negative Amor New Attribute
Convertible	Convertibility Indicator	
Current UPB	Current Investor Security UPB	Next Adjustme
CUSIP Number	CUSIP	Legend
Delinquent Loans Purchased Number of Loans	Delinquent Loans Purchased (Loan Count)	Legend 2 Origination TP
Delinquent Loans Purchased Prior Amount of UPB	Delinquent Loans Purchased (Prior Month UPB)	New Attribute
New Attribute	Eligible for Resecuritization *	New Attribute
New Attribute	First Payment Adjustment Date	New Attribute
New Attribute	First Rate Adjustment Date	Periodic Rate C
Index	Index *	Periodic Rate C
Initial Fixed Rate Period	Initial Fixed Rate Period *	Periodic Cap U
Initial Cap Down Percent	Initial Interest Rate Cap Down %	New Attribute
Initial Cap Up Percent	Initial Interest Rate Cap Up %	Prepayment Pe
Initial Fixed Rate Period	Initial Step Fixed-Rate Period	Reduced Minim
New Attribute	Interest Only Security Indicator	New Attribute
Adjustment Period	Interest Rate Adjustment Frequency	New Attribute
Lookback	Interest Rate Lookback	Pool Factor
Issuance UPB	Issuance Investor Security UPB	As of Date
As Of Date	Issue Date	Pool Number
New Attribute	Issuer	Pool Notificatio
Loan Detail Record Count	Loan Count	

Legacy	Aligned	
Maturity Date	Maturity Date	
Negative Amortization Factor	Negative Amortization Factor	
New Attribute	Negative Amortization Indicator	
Next Adjustment Date	Next Step Rate Adjustment Date	
Legend	Notes	
Legend 2	Notes Ongoing	
Origination TPO %	Origination Third Party Origination UPE Percent	
New Attribute	Payment Adjustment Frequency	
New Attribute	Payment Delay Days *	
New Attribute	Payment Lookback	
Periodic Rate Cap	Periodic Interest Rate Cap Down %	
Periodic Rate Cap	Periodic Interest Rate Cap Up %	
Periodic Cap Up %	Periodic Step Rate Cap Up %	
New Attribute	Prefix *	
Prepayment Penalty Mortgage Flag	Prepayment Penalty Indicator	
Reduced Minimum Servicing Flag	Reduced Minimum Servicing Indicator	
New Attribute	Security Data Correction Indicator	
New Attribute	Security Description	
Pool Factor	Security Factor	
As of Date	Security Factor Date	
Pool Number	Security Identifier	
Pool Notification Flag	Security Notification Indicator	

* These attributes will be retroactively populated for all securities in the new aligned file formats (includes new enumerations to existing attributes).

Security Level Disclosure File Changes Attribute Labels (cont.)



Legacy	Aligned	Legacy	Aligned
New Attribute	Security Status Indicator	WA Loan Age	WA Loan Age
Seller City	Seller City	WA Loan Term	WA Loan Term
Seller Name	Seller Name	WA Loan-To-Value	WA Loan-To-Value (LTV)
Seller State	Seller State	WA Months to Amortize	WA Months to Amortization
New Attribute	Servicer City	WA Months to Adjust	WA Months to Next Rate Adjustment Date
Servicer Name New Attribute	Servicer Name Servicer State	WA Months to Adjust (Step Rate)	WA Months to Next Step Rate Adjustment
Adjustment Period	Step Rate Adjustment Frequency	WA Loan Size	WA Mortgage Loan Amount
New Attribute (NA for FRE)	Subtype	WA Mortgage Margin	WA Mortgage Margin
Percentage Third Party Origination (TPO)	Third Party Origination UPB Percent	New Attribute	WA Negative Amortization Limit
Updated Longest Maturity Date	Updated Longest Maturity Date	New Attribute (NA for FRE)	WA Net Accrual Interest Rate
WA Origination Credit Score	WA Origination Credit Score	PC Coupon	WA Net Interest Rate
WA Credit Score	WA Borrower Credit Score	WA Mortgage Life Ceiling (Net)	WA Net Life Interest Rate Ceiling
WA Combined Loan-To-Value	WA Combined Loan-To-Value (CLTV)	WA Mortgage Life Floor (Net)	WA Net Life Interest Rate Floor
WA Coupon	WA Current Interest Rate	WA Origination Combined Loan-To-Value	WA Origination Combined Loan-To- Value (CLTV)
WA Remaining Maturity	WA Current Remaining Months to Maturity	WA Origination Debt-To-Income	WA Origination Debt-To-Income (DTI)
WA Debt-To-Income	WA Debt-To-Income (DTI)	WA Origination Coupon	WA Origination Interest Rate
WA Estimated Loan-To-Value (LTV)	WA Estimated Loan-To-Value (ELTV)	WA Origination Loan Term	WA Origination Loan Term
WA Coupon (Issuance)	WA Issuance Interest Rate	WA Origination Loan-To-Value	WA Origination Loan-To-Value (LTV)
WA Remaining Maturity	WA Issuance Remaining Months to Maturity	WA Origination Loan Size	WA Origination Mortgage Loan Amount
WA Mortgage Life Ceiling (Gross)	WA Life Interest Rate Ceiling	WA Updated Credit Score	WA Updated Credit Score
WA Mortgage Life Floor (Gross)	WA Life Interest Rate Floor		





For questions related to Freddie Mac's implementation of the Single Security Aligned Disclosure file formats, please contact:

Freddie Mac Investor Inquiry 1551 Park Run Dr., MS D50 McLean, VA 22102

(800) 336-3672

- Select option 5 for Investor Relations and then option 3 for Mortgage-backed securities.