



## DUS Disclose™ Glossary

The attributes defined below can be found in the following:

- Advanced Search Download MBS Results;
- Advanced Search Download Mega Results;
- Advanced Search Download REMIC Results;
- DUS Disclose Files – MBS & Mega;
- DUS Disclose Files – Multifamily Factors; and
- DUS Disclose Files – REMICs.

The attributes are arranged alphabetically by the following levels:

- Security (starting on page 2);
- Loan (starting on page 19);
- Property (starting on page 36);
- Credit Facility (starting on page 49);
- REMIC Group (starting on page 53); and
- DUS Disclose Files Attributes only (starting on page 55).

If the attributes are common between the Advanced Search Results and the DUS Disclose Files we have captured both names. If an attribute appears in only one of the locations it will only have one attribute name listed in the column with the location name.

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
<b>Security (also known as Class, Tranche and Bond)</b>				
Accrual Method	Interest Accrual Method	Indicates the “number of days” convention which determines the accrual rate payment calculation.		<ul style="list-style-type: none"> <li>• Actual/Actual</li> <li>• Actual/365</li> <li>• 30/365</li> <li>• Actual/360</li> <li>• 30/360</li> <li>• Other</li> </ul>
Additional Disclosure Indicator	Additional Disclosure Indicator	Indicates if the MBS has additional disclosure describing any non-standard terms and/or characteristics.		
ARM Index	ARM Index	For an adjustable-rate mortgage security, the index on which an adjustable interest rate is based.		
ARM Subtype	ARM Subtype	For an adjustable-rate mortgage security, the code that identifies the ARM product characteristics.	Characteristics include index, initial fixed-rate period, rate and payment adjustment frequencies and caps, convertibility, and other features.	
	Banner	A notice of a correction to or additional information about a security (including the related loan or collateral.)		
Class	Class Name/Class ID	The name of a security as defined in the disclosure documents.		
Convertible	Convertible	Indicates if loans in the security can convert from adjustable-rate to fixed-rate.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
Cumulative Prepayment Allocation (\$)  Cumulative Prepayment (\$) (REMIC Tranche)	Cumulative Yield Maintenance Allocation	The aggregate yield maintenance and prepayment premium amounts paid to investors since the inception of the Trust.	For MBS and Megas this value only reflects amounts paid to investors on and after July 2017.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Current Participation UPB (\$) (Mega Collateral)  Current UPB (\$) (REMIC Collateral)		The amount of unpaid principal balance in the current reporting period for the collateral CUSIP that is participating as collateral to a group or security backing a security.		
CUSIP	CUSIP	The identifier, assigned by the Committee on Uniform Securities Identification Procedures, to the security upon the issuance of a security.	This security identifier is assigned to each security, but not to individual loans.	
Cut-Off Date UPB (\$) (Mega & REMIC Collateral)	Cut-Off Date Balance	At securitization the dollar amount of unpaid principal balance for the Collateral CUSIP that is participating as collateral to a group or security backing a security.		
Dissolved Date	Dissolved Date	The date on which a security issued by Fannie Mae is no longer a security.		
Factor	Factor	The current balance of the security expressed as a percentage of the original issuance amount.		
Final Distribution Date	Final Distribution Date	The scheduled date for the final payment of a security to be made to investors.		
First Payment Date	First Payment Date	The date on which the first distribution of interest and, if required, principal will be made to investors in the security.		
First Scheduled Payment Change Date In Trust		For an adjustable-rate mortgage security, the first payment change for all the mortgage loans in the security since the inception of the Trust.	On the Mega Advanced Search Results the attribute name is Security First Payment Change Date.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Floater Indicator		Indicates if the interest rate of the security is adjustable.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> <li>• N/A</li> </ul>
GeMS Deal		Indicates if a Mega and REMIC security was issued under the Fannie Mae Guaranteed Structures program (Fannie Mae GeMS).		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
Green	Green	Indicates that all of the collateral backing the security are Green mortgage loans or securities.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
Group	Group	The number assigned to each group of securities or loans within a REMIC.	<p>A Group ID may not be applicable for every transaction.</p> <p>Group ID will not show for REMICs that have only one group and will show for REMICs that have more than one group.</p>	
Interest Type	Interest Type	Indicates the interest type of a security.		<ul style="list-style-type: none"> <li>• Adjustable</li> <li>• Adjustable Hybrid</li> <li>• Fixed</li> <li>• Step</li> <li>• Other</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Interest Type (REMIC Tranche)		Indicates the type of payment the security will receive.		<ul style="list-style-type: none"> <li>• Accrual</li> <li>• Ascending Rate</li> <li>• Available Funds</li> <li>• Component</li> <li>• Descending Rate</li> <li>• Excess</li> <li>• Fixed-Rate</li> <li>• Floating Rate</li> <li>• Inverse Floating Rate</li> <li>• Interest Only</li> <li>• Interest Rate Cap</li> <li>• No Payment Residual</li> <li>• Principal Only</li> <li>• Partial Accrual</li> <li>• Weighted Average Coupon</li> <li>• Other</li> </ul>
Issuance UPB (\$)	REMIC Issuance UPB	At securitization the total dollar amount of a REMIC transaction.		
Issue Date	Issue Date	The first day of the month in which the security was issued.	A security settles on the settlement date which may not be the issue date.	
Lookback Period		For an adjustable-rate mortgage security, the number of days prior to a rate change date used to determine the appropriate index rate for the underlying collateral.		
Maturity Date	Maturity Date	At securitization, the last date on which an investor could receive a payment.	The maturity date of the security is the latest maturity date for any of the underlying mortgage loans.	
Maximum Issuance UBS (\$) (Megs)  Maximum Loan Issuance UPB (\$)	Maximum Loan Issuance UPB	At securitization, the highest cut-off date balance of all mortgage loans in the security.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Maximum Pass-Through Rate (%) (Megas)  Maximum Loan PTR (%)	Maximum Loan Pass-Through Rate	At securitization, the highest pass-through rate of all mortgage loans in the security.		
Minimum Issuance UPB (\$) (Mega)  Minimum Loan Issuance UPB (\$)	Minimum Loan Issuance UPB	At securitization, the lowest cut-off date balance of all mortgage loans in the security.		
Minimum Pass-Through Rate (%) (Mega)  Minimum Loan PTR (%)	Minimum Loan Pass-Through Rate	At securitization, the lowest pass-through rate of all mortgage loans in the security.		
Next Distribution Date  Next Payment Distribution Date (REMIC Tranche)	Next Distribution Date	The next payment date on which funds will be distributed to certificate holders.		
Next Rate Change Date	Next Rate Change Date	For an adjustable-rate security, the next date that the interest rate is scheduled to change.		
Number of Loans – Current  Loan Count – Current (Mega Collateral & REMIC Collateral)	Number of Loans (Issuance File)  Ending Current Period Loan Count (Collateral Summary)	The total number of active loans in a mortgage backed security at the end of the current reporting period.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Number of Loans – Issuance	Number of Loans (Issuance Files)	At securitization, the number of mortgage loans in the security.		
Loan Count – Issuance (Mega & REMIC Collateral)	Original Loan Count (Monthly Ongoing file)			
Number of Prepaid Loans	Prepaid Loans - Number	The total number of mortgage loans in a security that have either fully or partially prepaid.		
Number of Properties - Current	Number of Properties	The current number of properties that serve as collateral for the mortgage loan.		
Number of Properties - Issuance		At securitization, the number of properties that serve as collateral for the mortgage loan.		
Number of Securities - Current		The total number of active securities in a Mega at the end of the current reporting period.		
Number of Securities - Issuance		At securitization, the number of securities serving as collateral for a Mega.		
Original Balance (\$) (Mega Collateral)		The original participating dollar amount for the Collateral CUSIP. This is the collateral's original certificate balance multiplied by the percent participating in the resecuritization.		
Original UPB Pledged (\$) (REMIC Collateral)				

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Paying PTR (%) – Current  Paying PTR (%) - Current (Mega Collateral)  Paying Coupon (%) - Current (REMIC Tranche)  WA Paying PTR (%) - (REMIC Collateral)	Paying PTR - Current (MBS & Mega Factor File)  Paying Coupon - Current (REMIC Factor File)  Remittance Rate / Pass Through Rate (Monthly Ongoing & REMIC Monthly Ongoing)	For MBS and Megas the weighted average of the pass-through rates for all the loans in the security in the current period.  For REMICs and Grantor Trusts this represents the interest rate paid to a class in the current period.	PTR values are rounded to the 3 <sup>rd</sup> decimal.  For MBS and Megas the weight for the calculation is the Unpaid Principal Balance amount of each loan at issuance.	
Paying PTR (%) – Issuance  Paying Coupon % - Issuance (REMIC Tranche)	Paying PTR – Issuance  Paying Coupon - Issuance (REMIC Factor File)	At securitization for MBS and Megas, the weighted average of the pass-through rates for all the loans in the security.  For REMICs and Grantor Trusts at securitization this represents the interest rate paid to a class.	PTR values are rounded to the 3 <sup>rd</sup> decimal.  The weight for the calculation is the Unpaid Principal Balance amount of each loan at issuance.	
Payment Reset Frequency	Payment Reset Frequency	For an adjustable-rate mortgage security, the payment adjustment frequency for all the mortgage loans in the security.	The payment adjustment frequency is the number of months between scheduled payment changes. For a loan with an initial fixed-rate period, the payment adjustment frequency is the number of months between subsequent payment changes.	
Pledged (%) (Mega Collateral)  Pledged (%) (REMIC Collateral)	Pledged (Mega Relationships Record Type)	The percentage of Original Unpaid Principal Balance (UPB) of the collateral CUSIP that is participating as a collateral to a Group/Pool backing a REMIC or a Mega security.		



Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Periodic Payment Change (%)	Periodic Payment Change - Current	For an adjustable-rate mortgage security, the maximum percentage increase or decrease of the principal and interest payment that can occur in the next payment adjustment for a security.		
Periodic Rate Change (%)	Periodic Rate Change - Current	For an adjustable-rate mortgage security, the maximum percentage that the interest rate can increase or decrease from the previous rate on the subsequent rate change.		
Prefix	Prefix	Indicates the type of mortgage loans and the basic terms of the security.		
Prepaid Loans Principal Amount (\$)	Prepaid loans - Principal	The sum of the prepaid principal amount for all mortgage loans in a security in the current period.		
Prepayment Allocation (\$)	Prepayment Allocation (MBS & Mega Factor File)  Yield Maintenance Allocation (Monthly Ongoing & REMIC Monthly Ongoing)	The amount of prepayment premiums or yield maintenance paid to a security in the current period.		
Prepayment Latest End Date		The last prepayment end date of all the loans in the security.	For Yield Maintenance this is the YM End Date; for Declining Premium this is the 1% End Date; for Defeasance this is the Defeasance End Date.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Prepayment Type		The type of prepayment premium in place with the longest term for a specified period during the mortgage loan term.	If there are multiple prepayment types in a security, the predominant type will be displayed	<ul style="list-style-type: none"> <li>• L = Lockout or prepayment is not allowed during this period</li> <li>• YM = Yield Maintenance</li> <li>• #% = Percentage value that is multiplied by the current unpaid principle balance at the time of prepayment to calculate the premium</li> <li>• DEF = Defeasance</li> <li>• O = Open or prepayment is allowed without prepayment premium during this period</li> <li>• DP = Declining Premium</li> <li>• Oth = Other Prepayment</li> </ul>
Principal Type		A type describing the principal cash flows of the REMIC Class.		<ul style="list-style-type: none"> <li>• Accretion Directed</li> <li>• Component</li> <li>• Guaranteed Maturity</li> <li>• No Payment Residual</li> <li>• Notional</li> <li>• Pass-Through</li> <li>• Planned Amortization Class</li> <li>• Scheduled</li> <li>• Segment</li> <li>• Sequential Pay</li> <li>• Structured Collateral</li> <li>• Support</li> <li>• TAC</li> </ul>
Product Type	Product Type	Indicates a Fannie Mae Multifamily product.	This field is blank for Megas.	<ul style="list-style-type: none"> <li>• DUS</li> <li>• Non-DUS</li> <li>• Credit Facility</li> <li>• Bulk Delivery</li> <li>• Negotiated Transaction</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Rate Reset Frequency	Rate Reset Frequency	For an adjustable-rate mortgage security, the rate adjustment frequency for all the mortgage loans in the security.		
RCR indicator		An indicator identifying if the subject REMIC class can be exchanged with all or a portion of the related exchangeable classes within the same REMIC Trust.		
Resecuritization	Resecuritization	Indicates if a specific security is eligible to be resecuritized.		<ul style="list-style-type: none"> <li>• Eligible</li> <li>• Ineligible</li> </ul>
Resecuritized Date		The issue date of the resecuritization in which the original security was placed.	If multiple resecuritization dates 9/99/9999 is displayed.	
Settlement Date	Settlement Date	The date on which the security is settled and the mortgage loan(s) or collateral are delivered into the Trust.		
Social	Social	Indicates that the security is backed by loans that meet one of the defined Sustainable Impact Criteria found in Fannie Mae's Sustainable Bond Framework, including Restricted Affordable Housing and Manufactured Housing Communities.	<p>This field is populated for MBS issued on and after January 1, 2021.</p> <p>Restricted Affordable Housing includes the following Affordable Housing Types:</p> <ul style="list-style-type: none"> <li>• LIHTC</li> <li>• Project Based HAP/Sec 8</li> <li>• LIHTC &amp; Project Based HAP/Sec 8</li> <li>• Other</li> <li>• Other - Sponsor Initiated Affordability</li> </ul> <p>(Not MAH is excluded)</p>	<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Status	Status	Indicates the current status of the security.		<ul style="list-style-type: none"> <li>• Active</li> <li>• Dissolved</li> <li>• Collapsed</li> <li>• Preliminary</li> <li>• Terminated</li> </ul>
Terminated Date	Terminated Date	The date when the security was liquidated.	<p>The final payment of principal and/or interest will be made to the security holders on the distribution date.</p> <p>Terminated Date for securities terminated before November 2018 will show the last day of the month. Terminated Date for securities terminated on or after November 2018 will show the first day of the month.</p>	
Total Interest Distribution (\$)	Total Interest Distribution	The total interest payment made to a security in the current reporting period.		
Total Principal Distribution (\$)	Total Principal Distribution	The total principal payment made to a security in the current reporting period.		
Transaction ID  Collateral Transaction ID (Mega Collateral & REMIC Collateral)	Transaction ID	An identifier assigned to the transaction, which could be a security identifier or a name as applicable.		
Type  Security (REMIC Collateral)	Security Type	Indicates the type of security.		<ul style="list-style-type: none"> <li>• Grantor Trust</li> <li>• MBS</li> <li>• Mega</li> <li>• REMIC</li> <li>• DMBS</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
UPB (\$) - Current  Current UPB (\$) (REMIC Tranche)	Security UPB - Current (MBS & Mega Factor File and REMIC Factor File)  Bond Ending Balance (Monthly Ongoing & REMIC Monthly Ongoing)	The balance amount of a security after allocations of principal and/or realized losses as reported at the end of a period.	On the Mega Advanced Search Results the attribute name is Current UPB (\$).	
UPB (\$) - Issuance  Issuance UPB (\$) (Mega Security)  Issuance UPB (\$) (REMIC Tranche)	Issuance UPB (Issuance File - Security Level & MBS & Mega Factor File)  Original Balance (Issuance File - Mega Relationships)  Original Note Amount (Ongoing Monthly File)	At securitization, the total amount of securitized mortgage debt.		
WA Accruing Note Rate (%) - Current	WA Accruing Note Rate - Current (Ongoing Supplemental File)  Calculated WAC (Monthly Ongoing File - Collateral Summary Level)	The weighted average of the accruing interest rates on all mortgage loans in a security.  The accrual rate represents the rate that the interest will be calculated for next month's payment.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	
WA Accruing Note Rate (%) – Issuance  WAC % - Issuance (REMIC Collateral)	WA Accruing Note Rate - Issuance	At securitization, the weighted average of the accruing interest rates on all the mortgage loans in a security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
WA Accruing PTR (%) – Current  WA Accruing PTR (%) (REMIC Collateral)	WA Accruing PTR - Current	For a pool of adjustable-rate mortgage loans, the weighted average accruing pass-through rates of all mortgage loans in a security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	
WA Amortization Term  WA Amortization Term - Current (Mega Collateral)  WA Amortization Term (months) (REMIC Collateral)	Amortization WAM	The weighted average of the original amortization terms for all mortgage loans in the security.  See <a href="#">Amortization Term</a>	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan in the current period.  At securitization, WA Amortization Term for Megas issued prior to May 1, 2018 will not be populated on DUS Disclose.	
WA Issuance UPB (\$)	WA Issuance UPB	At securitization, the weighted average of the unpaid principal balance for all the mortgage loans in the security.		
WA Lifetime PTR Cap (%) - Current	WA Lifetime PTR Cap - Current	For a pool of adjustable-rate mortgage loans, the weighted average of the maximum lifetime pass-through rate for all mortgage loans within a security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	
WA Lifetime PTR Floor (%) - Current	WA Lifetime PTR Floor - Current	For a pool of adjustable-rate mortgage loans, the weighted average of the minimum lifetime pass-through rate for all mortgage loans within a security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	
WA Lifetime PTR Floor (%) – Issuance (Mega Advanced Search Results)	WA Lifetime Pass-Through Rate Floor - Issuance	At securitization, for an adjustable-rate mortgage security, the weighted average of the minimum lifetime pass-through rate for all mortgage loans within a security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
WA Loan Margin Rate (%) - Issuance	WA Loan Margin Rate – Issuance	At securitization, the weighted average of the loan margins for all adjustable rate mortgage loans in the security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan at issuance.	
WA Loan Margin Rate (%) - Current	WA Loan Margin Rate - Current	The current weighted average of the loan margins for all adjustable rate mortgage loans in the security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan at issuance.	
WA LTV (%) - Issuance	WA Issuance LTV	At securitization, the weighted average of the Loan to Values (LTV) for all the mortgage loans.	<p>The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan at issuance.</p> <p>MBS securitized prior to July 2017 have WA values that are rounded up to a whole number.</p> <p>On the Mega Advanced Search Results the attribute name is Security WA LTV (%).</p>	
WA MBS Margin (%) - Current	WA MBS Margin - Current	<p>For a pool of adjustable-rate mortgage loans, the weighted average of the net margins for all mortgage loans in security.</p> <p>Net Margin is the loan margin less the guarantee and servicing fees.</p>	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	
WA Months to Rate Change -Issuance	WA Months to Rate Change - Issuance	At securitization, for a pool of adjustable-rate mortgage loans, the weighted average number of months until the next rate change date for each mortgage loan remaining in the security.	<p>For loans that have experienced their final rate change, this value will be the number of months until the loan is due to mature.</p> <p>The weight for the calculation is the Unpaid Principal Balance amount of each loan at issuance.</p>	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
WA Months to Rate Change – Current	WA Months to Rate Change - Current	For a pool of adjustable-rate mortgage loans, the weighted average number of months until the next rate change date for each mortgage loan remaining in the security.		
WA NCF DSCR (x) - Current	WA NCF DSCR - Current	The weighted average of the most current annual Net Cash Flow (NCF) Debt Service Coverage Ratio (DSCR) for all mortgage loans in the security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	
WA NCF DSCR (x) - Issuance	WA NCF DSCR - Issuance	At securitization, the weighted average of the current Net Cash Flow (NCF) Debt Service Coverage Ratio (DSCR) for all mortgage loans in the security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	
WA Note Rate Cap (%) - Current	WA Note Rate Cap - Current	For a pool of adjustable-rate mortgage loans, the weighted average of the maximum note rate for all mortgage loans in a security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.  On the Mega Advanced Search Results the attribute name is  Security WA Note Rate Ceiling (%) – Current.	
WA Note Rate Floor (%) - Current	WA Note Rate Floor - Current	For a pool of adjustable-rate mortgage loans, the weighted average of the minimum note rate for all mortgage loans in a security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	



Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
<p>WA Original I/O Term</p> <p>WA Original I/O Term - Issuance (Mega Collateral)</p> <p>WA Original I/O Term (months) (REMIC Collateral)</p>	WA Original I/O Term	<p>At securitization, the weighted average of the original interest only terms for all mortgage loans in the security.</p> <p>See <a href="#">Original I/O Term</a></p>	<p>The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.</p>	
<p>WA Original Term – Current</p> <p>WA Original Loan Term - Current (Mega Collateral)</p> <p>WA Original Term (months) (REMIC Collateral)</p>	WA Original Term - Current	<p>The weighted average of the original terms for all the mortgage loans in a security.</p> <p>See <a href="#">Original Loan Term</a></p>	<p>The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.</p> <p>Available for Megas issued on and after January 25, 2020.</p>	
<p>WA Original Term – Issuance</p>	WA Original Term - Issuance	<p>At securitization, the weighted average of the original term for all the mortgage loans in a security.</p>	<p>The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan at issuance.</p> <p>Available for Megas issued on and after January 25, 2020.</p>	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
<p>WA Prepayment Term</p> <p>WA Original Prepayment Term (Mega Collateral)</p> <p>WA Original Prepayment Term (months) (REMIC Collateral)</p>		<p>The weighted average of the original prepayment terms for all the mortgage loans in the security.</p> <p>See <a href="#">Prepayment Term</a></p>	<p>The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.</p> <p>For Yield Maintenance (YM) the term ends on the Yield Maintenance End Date; for Declining Premium (DP) the term ends on the 1% End Date; for Defeasance the term ends on the Defeasance End Date.</p>	
<p>WA Remaining Term – Current</p> <p>WA Remaining Term - Current (Mega Collateral)</p> <p>WA Remaining Term (months) (REMIC Collateral)</p>	<p>WA Remaining Term – Current (Ongoing Supplemental File)</p> <p>Maturity WAM (Collateral Record Type)</p>	<p>The weighted average of the remaining months to maturity for all the mortgage loans in the security.</p> <p>See <a href="#">Loan Remaining Term</a></p>	<p>The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan in the current period.</p>	
<p>WA Remaining Term - Issuance</p>	<p>WA Remaining Term - Issuance</p>	<p>At securitization, the weighted average of the remaining months to maturity for all the mortgage loans in the security.</p>	<p>The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan at issuance.</p> <p>Blank for the Search Results Download.</p>	
<p>WA Remaining Term - Current</p>	<p>WA Remaining Term - Current</p>	<p>The weighted average of the remaining months to maturity for all the mortgage loans in the security.</p>		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
WA Seasoning - Current	WA Seasoning - Current	The weighted average number of months since origination of all mortgage loans in a security.	For Fixed-Rate Mortgage securities this attribute will be populated in the monthly on-going file the second month after issuance.  The weight for the calculation is the Unpaid Principal Balance amount of each loan.	
WA Seasoning - Issuance	WA Seasoning - Issuance	At securitization, the weighted average number of months since origination of all mortgage loans in a security.	The weight for the calculation is the Unpaid Principal Balance amount of each loan at issuance.  Available for Megas issued on and after January 25, 2020.	
<b>Loan</b>				
2nd Preceding Year DSCR (x)	Second Preceding Fiscal Year DSCR (NCF) (Loan Record Type)	For all properties underlying the mortgage loans, the ratio of total Net Cash Flow (NCF) to total debt service from the first consecutive year-end operating statements prior to the preceding fiscal year-end property operating statements.		
3rd Preceding Year DSCR (x)		For all properties underlying the mortgage loans, the ratio of total Net Cash Flow (NCF) to total debt service from the second consecutive year-end operating statements prior to the preceding fiscal year-end property operating statements.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Accrual Method	Interest Accrual Method (Loan Record Type)	Indicates the number of days convention used to calculate interest on a loan during a monthly payment period.		<ul style="list-style-type: none"> <li>• 30/360</li> <li>• Actual/365</li> <li>• Actual/360</li> <li>• Actual/366</li> </ul>
Additional Debt Balance (\$)	Additional Debt UPB (\$)	The unpaid principal balance for additional debt associated with the subject mortgage loan.		
Additional Debt Lien Priority	Additional Debt Lien Priority	The priority of the lien, if applicable, for additional debt associated with the subject mortgage loan.		<ul style="list-style-type: none"> <li>• First</li> <li>• Second</li> <li>• Third</li> <li>• Fourth or More Subordinate</li> </ul>
Additional Debt Maturity Date	Additional Debt Maturity Date	For additional debt, the due date for final payment.	May be a Fannie Mae mortgage loan or third-party subordinate lien.	
Additional Debt Maximum Monthly Payment (\$)	Additional Debt Maximum Monthly Payment	For additional debt, the highest monthly payment for the mortgage loan.	May be a Fannie Mae mortgage loan or third-party subordinate lien.	
Additional Debt Monthly Payment (\$)	Additional Debt Monthly Payment Amount	For additional debt, the dollar amount of the monthly debt service, if applicable, for additional debt associated with the subject mortgage loan.		
Additional Debt Pool Number & Loan Number	Additional Debt Transaction ID & Loan Number	The combination of the pool number followed by the Fannie Mae loan number associated with the additional debt.	Only populated when the additional debt is a Fannie Mae mortgage loan. If more than one additional debt then "Multiple" will show.	
Additional Debt Type	Additional Debt Type (Additional Loan Record Type)	Indicates the type of additional debt associated with the subject mortgage loan.		<ul style="list-style-type: none"> <li>• Line of Credit</li> <li>• Mezzanine Debt</li> <li>• Third-Party Subordinate Lien</li> <li>• Fannie Mae Mortgage Loan</li> <li>• Preferred Equity</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
All-In At-Issuance LTV (%)	All-In Issuance LTV	At securitization, the ratio of the actual unpaid principal balance (UPB) of the mortgage loan and all other debt, including securitized debt, pari passu debt, additional debt, Mezzanine debt (inclusive of 3rd party Mezzanine debt) to the combined value of all underlying properties.		
All-In Current NCF DSCR (x)		The ratio of the current annualized Net Cash Flow (NCF) of a mortgaged property to the annualized principal and interest payments and payments on Mezzanine debt and/or preferred equity (inclusive of 3rd party Mezzanine debt) and debt service on pari passu debt, other Fannie Mae mortgage loan debt, and subordinate third-party debt, if applicable.	This field will be null for any loan that does not have Mezzanine debt or preferred equity.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
All-In UW NCF DSCR (x)	UW NCF DSCR All-In (x)	The ratio of the underwritten annualized Net Cash Flow (NCF) of a mortgaged property to the annualized principal and interest payments (for Amortizing and Partial Interest Only include Principal & Interest payments or for Full Interest Only include Interest payments) and payments on Mezzanine debt (inclusive of 3rd party Mezzanine debt) and debt service on pari passu debt, other Fannie Mae mortgage loan debt, and subordinate third-party debt, if applicable.	This field will be null for any loan that does not have Mezzanine debt.	
Amortization Term	Original Amortization Term (months)	The number of months over which the mortgage loan's unpaid principal balance is scheduled to be amortized, as determined at the origination date.	For fully amortizing mortgage loans, the amortization term is equal to the mortgage loan term. For balloon loans, the amortization term is longer than the mortgage loan term, requiring a balloon principal payment at loan maturity. If the mortgage loan requires interest-only (IO) payments for the entire term prior to the mortgage loan's Maturity Date, the Amortization Term is "0".	
Amortization Type	Amortization Type	Indicates the type of amortization scheduled over the mortgage loan term.		<ul style="list-style-type: none"> <li>• Fully Amortizing</li> <li>• Amortizing Balloon</li> <li>• Interest Only/Balloon</li> <li>• Interest Only/Amortizing/Balloon</li> <li>• Interest Only/Fully</li> <li>• Amortizing</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
ARM Index	ARM Index	For an adjustable-rate mortgage loan, the index on which an adjustable interest rate is based.		
ARM Margin (%)	ARM Margin (%)	For an adjustable-rate mortgage loan, the rate added to the index that determines the interest rate.		
At-Issuance LTV (%)	Issuance LTV	At securitization, the ratio of the actual unpaid principal balance of the mortgage loan (plus prior liens if supplemental) to the combined value of all underlying properties.		
Balance per Unit (\$)		At securitization for a mortgage loan, the unpaid principal balance, divided by the number of units in the underlying properties.		
Conversion Eligibility End Date	Conversion Eligibility End Date	For an adjustable-rate mortgage loan with a convertible option, the last day on which a borrower may convert the interest rate on the mortgage loan from an adjustable-rate to a fixed-rate.		
Conversion Eligibility Start Date	Conversion Eligibility Start Date	For an adjustable-rate mortgage loan with a convertible option, the first day on which a borrower may convert the interest rate on the mortgage loan from an adjustable-rate to a fixed-rate.		
Convertible	Convertible (Y/N)	Indicates if the mortgage loan can convert from adjustable-rate to fixed-rate in the future.	Beginning in October 2017, DUS Hybrid ARM loans will be populated with N.	
Cross-Defaulted Loan		The Fannie Mae loan number assigned to the mortgage loan which is cross-defaulted with the subject mortgage loan.	If more than one loan is cross-defaulted then "Multiple" will show.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Cross-Collateralized Loan		The Fannie Mae loan number assigned to the mortgage loan which is cross-collateralized with the subject mortgage loan.	If more than one loan is cross-collateralized then "Multiple" will show.	
Current NCF Debt Yield (%)			This field is blank and is not available at this time.	
Defeasance Status	Defeasance Status	Indicates if a mortgage loan is eligible for defeasance or has been defeased.	F = Full Defeasance. N = No Defeasance Occurred. X= Defeasance Not Allowed.	<ul style="list-style-type: none"> <li>• F</li> <li>• N</li> <li>• X</li> </ul>
DSCR (x) YTD	Most Recent DSCR (NCF) (Loan Record Type)	For all properties underlying the mortgage loans, the ratio of total Net Cash Flow (NCF) to total debt service from the most recent property operating statements (e.g. year to date) after the preceding fiscal year-end statement.		
DSCR at Maximum Payment (x) (Pre-DUS Disclose)		The ratio of underwritten Net Cash Flow to the highest potential debt service of the loan. For a partial interest only loan, the debt service is calculated using annualized partial interest only amortizing payment. For an adjustable-rate mortgage loan, the debt service is calculated at the maximum lifetime interest rate for the loan. (If the adjustable-rate mortgage loan does not have a maximum lifetime interest rate, the debt service will be calculated at the variable underwriting rate used to underwrite the mortgage loan). The debt service includes any pari passu debt, other Fannie Mae mortgage loan debt and subordinate third-party debt, if applicable.	<p>This DSCR at Maximum Payment was generally disclosed for pools issued prior to DUS Disclose implementation on December 4, 2017.</p> <p>Note: The name of this field on the Offering Documents, when it was added for new issuances beginning 3/1/2012, was DSCR (IO/ARM). The name was then changed to DSCR at Maximum Payment in xx/xxxx.</p>	



Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
First Payment Date	First Payment Date	The date on which the borrower must pay the first full interest and/or principal payment due on the mortgage loan in accordance with the loan documents.		
First Scheduled Payment Change Date in Trust	First Scheduled Payment Change Date in Trust	At securitization, for adjustable-rate mortgage loans, the date that the mortgage loan payment amount is next scheduled to change.		
First Scheduled Rate Change Date in Trust	First Scheduled Rate Change Date in Trust	At securitization, for adjustable-rate mortgage loans, the date that the interest rate is next scheduled to change.		
Fixed Principal Payment Amount (\$)	Fixed Principal Payment Amount	For a Structured Adjustable-Rate Mortgage loan (SARM), the fixed principal amount that is included in the principal and interest payment for amortizing or partial interest-only mortgage loans.		
Future Cross Eligible	Future Cross Eligible	Indicates if the mortgage loan may/will be cross defaulted and/or cross collateralized in the future with another mortgage that is secured by separate property collateral. This is typically associated with an additional phase of the mortgaged property and is not an indication of the availability of future supplemental debt on the existing property.	This field will only be populated for DUS and Non-DUS mortgage loans acquired on or after February 1, 2021.	<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Green Financing Type	Green Financing Type	The type of green financing under which a mortgage loan was originated.		<ul style="list-style-type: none"> <li>• Green Refinance Plus</li> <li>• Green Rewards</li> <li>• MF Preservation Plus</li> <li>• Other Green Financing</li> <li>• Green Preservation Plus</li> <li>• Green Building Certification</li> </ul>
I/O End Date	Interest Only End Date	The date of the last interest-only (I/O) payment for a mortgage loan that has a full or partial interest-only period.		
Initial Fixed Term	Initial Fixed Term	For an adjustable-rate mortgage loan, the number of calendar months between the first full month the mortgage loan accrues interest and the first interest rate change date.		
Initial Fixed Term End Date	Initial Fixed Term End Date	For an adjustable-rate mortgage loan, the date that the initial fixed term ends.		
Interest Type	Interest Type	Indicates if a mortgage loan is a fixed-rate or adjustable-rate mortgage.		<ul style="list-style-type: none"> <li>• Adjustable</li> <li>• Adjustable Hybrid</li> <li>• Fixed</li> </ul>
Issuance DSCR (x) (Pre-DUS Disclose)		The DSCR value disclosed at the issuance of the security.	<p>The DSCR generally disclosed for MBS issued prior to DUS Disclose implementation on December 4, 2017.</p> <p>See the following documents on the Learning Center for details:</p> <p>Debt Service Coverage Ratio (DSCR) Calculations and Examples</p> <p>DUS Disclose DSCR Quick Reference Guide</p>	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Lien Position	Lien Position	The lien priority placed on the property securing the mortgage loan.		<ul style="list-style-type: none"> <li>• First</li> <li>• Second</li> <li>• Third</li> <li>• Fourth or More Subordinate</li> </ul>
Liquidation / Prepayment Code	Liquidation/ Prepayment Code	Indicates the type of unscheduled principal collection or liquidation proceeds received during the current reporting period.		<ul style="list-style-type: none"> <li>• Payoff Prior to Maturity</li> <li>• Repurchase/Substitution</li> <li>• Partial Liquidation (Curtailment)</li> <li>• Disposition/Liquidation</li> <li>• Full Payoff At Maturity</li> <li>• Payoff With Penalty</li> <li>• Payoff With Yield Maintenance</li> <li>• Curtailment With Penalty</li> <li>• Curtailment With Yield</li> <li>• Maintenance</li> </ul>
Liquidation / Prepayment Date	Liquidation/Prepayment Date	The date on which the mortgage loan was liquidated/prepaid.		
Lockout End Date		The final day of the period during which a borrower is prohibited from voluntarily prepaying a mortgage loan.		
Lookback Period	Lookback Period (days)	For an adjustable-rate mortgage loan, the number of days prior to a rate change date used to determine the appropriate index rate.		
Maturity Date	Maturity Date	The date the final scheduled payment of principal and interest is due per the loan documents.		
Mezzanine Loan Balance (\$)	Mezzanine Loan UPB (\$)	At securitization, the unpaid principal balance for a mezzanine loan.		
Mezzanine Loan Initial Term Maturity Date	Mezzanine Loan Initial Term Maturity Date	For a mezzanine loan, the initial Maturity Date, without regard to any options the mezzanine borrower may have to extend the Maturity Date.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Mezzanine Monthly Payment (\$)	Mezzanine Monthly Payment Amount (\$)	The monthly scheduled payment to be paid on the mezzanine debt associated with the mortgage loan.		
Monthly Debt Service (\$)	Monthly Debt Service (Issuance Files)	For a mortgage loan, the monthly scheduled principal and interest payments to be paid.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Monthly Debt Service Amount (\$) - Partial IO	Monthly Debt Service Amount - Partial IO	<p>For fixed-rate partial interest only (IO) mortgage loans, the scheduled monthly debt service (total) due once a partial IO loan begins amortizing (i.e., the first payment with both interest and principal amortization). For Adjustable-Rate Mortgages: Amortizing mortgage loans, the monthly debt service (amortizing) calculated using the Lifetime Maximum Interest Rate. Full Interest Only mortgage loans, the monthly debt service (interest only) calculated using Lifetime Maximum Interest Rate. Partial Interest Only mortgage loans, the monthly debt service (amortizing) calculated using the Lifetime Maximum Interest Rate. For Structured Adjustable Rate Mortgages: Amortizing mortgage loans, the monthly debt service (amortizing) calculated using the Variable Underwriting Rate. Full Interest Only mortgage loans, the monthly debt service (interest only) calculated using the Variable Underwriting Rate. Partial Interest Only mortgage loans, the monthly debt service (amortizing) calculated using the Variable Underwriting Rate.</p>		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Next Payment Change Date	Next Payment Adjustment Date	For an adjustable-rate mortgage loan, the next date on which the monthly payment on the mortgage loan is scheduled to change.	If the first payment change on the loan has not yet occurred, this date would be the same as the First Payment Change Date.	
Next Rate Change Date	Next Rate Adjustment Date	For an adjustable-rate mortgage loan, the next date that the interest rate is scheduled to change.	If the first-rate change on the loan has not yet occurred, this date would be the same as the First Rate Change Date.	
Note Date	Note Date	The date on which the mortgage note or deed of trust is executed.		
Note Rate Cap (%)	Note Rate Cap (%)	For an adjustable-rate mortgage loan, the maximum interest rate over the life of the loan.	If the loan is an uncapped adjustable-rate loan this field will display 9's. If the loan is not an adjustable-rate mortgage, then the value is blank.	
Note Rate Floor (%)	Note Rate Floor (%)	For an adjustable-rate mortgage loan, the minimum interest rate over the life of the loan.	If the loan is an uncapped adjustable-rate loan this field will display 9's. If the loan is not an adjustable-rate mortgage, then the value is blank.	
Loan Number	Loan Number	A unique number assigned to each mortgage loan by Fannie Mae.		
Original I/O Term	Original Interest Only Period (months)	The number of months in which there are interest-only payments per the mortgage loan documents.		
Original Note Rate (%)	Original Interest Rate	The original interest rate on a mortgage loan as identified in the mortgage loan documents.		
Original Term	Original Loan Term (months)	The number of months from the date the mortgage loan starts accruing interest (i.e., one month before the first payment due date) to the maturity date.		
Original UPB (\$)	Original UPB	The original amount of the mortgage loan as indicated by the mortgage loan documents.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Paying Note Rate (%) - Current	Current Note Rate	The interest rate of the mortgage loan.		
Paying Note Rate (%) - Issuance	Issuance Note Rate	At securitization, the interest rate of the mortgage loan.		
Paying PTR (%) - Current	Net Rate	The interest rate on a mortgage loan in effect for the current period, after deducting the applicable servicing and guaranty fees.		
Paying PTR (%) - Issuance	Pass-Through Rate	At securitization, the interest rate on a mortgage loan in effect after deducting the applicable servicing and guaranty fee.		
Payment Reset Frequency	Payment Reset Frequency (months)	For an adjustable-rate mortgage loan, the number of months between scheduled payment changes after the first payment date.		
Payment Status	Payment Status	Indicates the status of the mortgage loan payment.		<ul style="list-style-type: none"> <li>• Current</li> <li>• 30-59 Days Delinquent</li> <li>• 60-89 Days Delinquent</li> <li>• 90+ Days Delinquent</li> </ul>
Periodic Payment Change Decrease (%)	Periodic Payment Change Decrease (%)	For an adjustable-rate mortgage loan, the maximum percentage decrease of the principal and interest payment that can occur at the next payment adjustment.		
Periodic Payment Change Increase (%)	Periodic Payment Change Increase (%)	For an adjustable-rate mortgage loan, the maximum percentage increase of the principal and interest payment that can occur at the next payment adjustment.		
Periodic Rate Change Decrease (%)	Periodic Rate Change Decrease (%)	For an adjustable-rate mortgage loan, the maximum percentage the interest rate can decrease from the previous rate for the subsequent rate change.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Periodic Rate Change Increase (%)	Periodic Rate Change Increase (%)	For an adjustable-rate mortgage loan, the maximum percentage the interest rate can increase from the previous rate for the subsequent rate change.		
Preceding Year DSCR (x)	Preceding Fiscal Year DSCR (NCF) (Loan Record Type)	For all properties underlying the mortgage loans, the ratio of Net Cash Flow (NCF) to total debt service from the preceding fiscal year-end property operating statements.		
Prepayment End Date	Loan Prepayment End Date	The last day the prepayment premium is in effect for the mortgage loan.		
Prepayment Premium / Yield Maintenance (YM) Received (\$)	Prepayment Premium/Yield Maintenance (YM) Received	The amount received from the borrower when prepayment premiums or yield maintenance are required in exchange for allowing a borrower to pay off a portion or all of the mortgage loan.		
Prepayment Provision	Prepayment Provision	A sequential code detailing each type of prepayment provision and the term of the provision in months.		
Prepayment Provision End Date	Prepayment Provision End Date	A sequential code detailing each type of prepayment provision, and the end date.	This field is displayed as a string with sequential codes for each type of prepayment provision, and the end date following each code.	



Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Prepayment Type	Loan Prepayment Type	The type of prepayment premium required for the longest period during the mortgage loan term.		<ul style="list-style-type: none"> <li>• L = Lockout or prepayment is not allowed during this period</li> <li>• YM = Yield Maintenance</li> <li>• #% = Percentage value that is multiplied by the current unpaid principle balance at the time of prepayment to calculate the premium</li> <li>• DEF = Defeasance</li> <li>• O = Open or prepayment is allowed without prepayment premium during this period</li> </ul>
Purpose	Loan Purpose	Indicates the borrower's purpose for obtaining the mortgage loan.		<ul style="list-style-type: none"> <li>• Acquisition</li> <li>• ARM to Fixed Conversion</li> <li>• Construction Take out</li> <li>• Equity</li> <li>• Forward Conversion</li> <li>• New Construction</li> <li>• Purchase</li> <li>• Refinance</li> <li>• Rehabilitation</li> <li>• Supplemental</li> </ul>
Rate Reset Frequency	Rate Reset Frequency (months)	For an adjustable-rate mortgage loan, the rate adjustment frequency in months.		
Remaining Term		The number of months remaining until the scheduled maturity date of the mortgage loan.		
Scheduled Interest Amount (\$)	Scheduled Interest Amount	The dollar amount of interest scheduled to be paid in the current period.		
Scheduled Principal Amount (\$)	Scheduled Principal Amount	The dollar amount of principal scheduled to be paid in the current period.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Seasoning - Current		The age of the mortgage loan, in months, from origination to the current reporting period.	For calculation purposes, origination means the date on which the first full month of interest begins to accrue.	
Seasoning - Issuance	Seasoning (months)	At securitization, the age of the mortgage loan, in months, from origination to the security issuance date.	For calculation purposes, origination means the date on which the first full month of interest begins to accrue.	
Seller	Loan Seller	The name of the entity that delivers the mortgage loan to Fannie Mae at the time of acquisition.		
Servicer Name	Loan Servicer	The name of the entity that currently services the mortgage loan.		
Tier	Tier	Fannie Mae Multifamily credit structure indicating the underwriting of the loan at the origination of the loan. The structure includes underwritten Debt Service Coverage Ratio and underwritten Loan to Value limits; Tier limits may vary by Property Type and are subject to change.		<ul style="list-style-type: none"> <li>• Tier 1</li> <li>• Tier 2</li> <li>• Tier 3</li> <li>• Tier 4</li> </ul>
Tier Drop Eligible	Tier Drop Eligible (Y/N)	Indicates if a mortgage loan is eligible for the tier dropping option.	A tier drop eligible loan is permitted to have a subordinate loan placed on the related mortgaged property such that the combined debt increases the overall leverage to a lower Tier.	<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
Total Debt Current Balance (\$) - Issuance	Total Debt Current UPB (\$)	At securitization, the sum of the mortgage loan's unpaid principal balance and the unpaid principal balances of all additional debt.		
Total Scheduled P&I Due (\$)	Total Scheduled P&I Due	The total dollar amount of principal and interest payments scheduled to be paid by borrower in the current reporting period.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
UPB - Current (\$)	Current Ending Scheduled Balance (Loan Record Type)	The scheduled principal balance for a mortgage loan as of the end of the current reporting period.		
UW NCF Debt Yield (%)	UW NCF Debt Yield (%)	For a mortgage loan, the underwritten Net Cash Flow (NCF) divided by the original mortgage loan unpaid principal balance inclusive of the UPB for any outstanding supplemental mortgage loans.	This field is blank and is not available at this time.	
UW NCF DSCR (I/O) (x)	UW NCF DSCR (I/O) (x)	For a mortgage loan with interest only payments, the ratio of the underwritten Net Cash Flow (NCF) of a mortgaged property to the annualized interest payments due on the related mortgage loan and any pari passu debt, other Fannie Mae mortgage loan debt and subordinate third-party debt, if applicable.	This field will be null for any loan that is not Interest Only.	
UW NCF DSCR (x)	UW NCF DSCR (x)	The ratio of the underwritten Net Cash Flow (NCF) of a mortgaged property to the principal and interest payments (for Amortizing and Partial Interest Only include Principal & Interest payments or for Full Interest Only include Interest payments) due on the related mortgage loan and pari passu debt, other Fannie Mae mortgage loan debt and subordinate third-party debt, if applicable.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
UW NCF DSCR at Cap (x)	UW NCF DSCR at Cap (x)	For an adjustable-rate mortgage loan, the ratio of the underwritten Net Cash Flow (NCF) of a mortgaged property to the debt service of the loan and pari passu debt, other Fannie Mae mortgage loan debt and subordinate third-party debt, if applicable.	<p>The Debt Service Coverage Ratio (DSCR) is calculated using the Loan Lifetime Cap Interest Rate for a capped adjustable-rate loan or the Strike Rate plus Mortgage Margin for a Structured adjustable rate loan.</p> <p>This field will be null for adjustable-rate loans without a cap and fixed-rate loans.</p>	
<b>Property</b>				
% of Units At or Below 50% Area Median Income	% of Units At or Below 50% Area Median Income	The percentage of units set aside in the subject property which serve tenants earning no more than 50% of the Area Median Income (AMI).	Multifamily affordable housing loans may require that a certain percentage of property dwelling units be set aside for a tenant group earning up to (and including) a certain percentage of AMI. AMI is determined by HUD and is a measurement used to determine low-and/or moderate-income households.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
% of Units At or Below 60% Area Median Income	% of Units At or Below 60% Area Median Income	The percentage of units set aside in the subject property which serve tenants earning no more than 60% of the Area Median Income (AMI).	Multifamily affordable housing loans may require that a certain percentage of property dwelling units be set aside for a tenant group earning up to (and including) a certain percentage of AMI. AMI is determined by HUD and is a measurement used to determine low-and/or moderate-income households. If a property has any units that are required to be reserved for tenants with a household income equal to or less than 50% of the Area Median Income, those units should be excluded from this ("Under 60%") percentage.	
% of Units At or Below 80% Area Median Income	% of Units At or Below 80% Area Median Income	The percentage of units set aside in the subject property which serve tenants earning no more than 80% of the Area Median Income (AMI).	Multifamily affordable housing loans may require that certain property dwelling units be set aside for a tenant group earning up to a certain percentage of AMI. AMI is determined by HUD and is a measurement used to determine low-and/or moderate-income households. If a property has any units that are required to be reserved for tenants with a household income equal to or less than 60% of the Area Median Income, those units should be excluded from this ("Under 80%") percentage.	
2nd Preceding Annual Year		The year associated with the year prior to the preceding fiscal year-end statement.  See <a href="#">Preceding Annual Year</a>		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
2 <sup>nd</sup> Preceding Year Energy Star Score	Second Preceding Year Energy Star Score	The score assigned to the property by the ENERGY STAR® Portfolio Manager application from the first consecutive calendar year prior to the preceding calendar year.	The score compares the property to similar properties nationwide for key performance indicators (e.g., energy use and costs, water use and costs, and greenhouse gas emissions). The score ranges from 0 to 100.	
2 <sup>nd</sup> Preceding Energy Score Date	Second Preceding Energy Score Date	The date that a score was assigned to the property by the ENERGY STAR® Portfolio Manager application from the first consecutive calendar year prior to the preceding calendar year.	Date reflected as month and year only.	
2 <sup>nd</sup> Preceding EPA Water Score	Second Preceding Year EPA Water Score	The score assigned to water usage for the property by the ENERGY STAR Portfolio Manager application from the first consecutive calendar year prior to the preceding calendar year.	The score compares the property's water consumption to similar properties nationwide. The score ranges from 1 to 100.	
2 <sup>nd</sup> Preceding Year EGI (\$)	Second Preceding Fiscal Year Revenue (Property Record Type)	The normalized effective gross income or revenue as applicable, from the first consecutive year-end prior to the preceding fiscal year-end operating statement.		
2 <sup>nd</sup> Preceding Year NCF (\$)	Second Preceding Fiscal Year NCF (Property Record Type)	The normalized effective gross income less total operating expenses and capital expenditures (replacement reserves) as applicable from the first consecutive year-end prior to the preceding fiscal year-end operating statement.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
2 <sup>nd</sup> Preceding Year Operating Expenses (\$)	Second Preceding Fiscal Year Operating Expenses (Property Record Type)	The normalized total operating expenses, from the first consecutive year-end prior to the preceding fiscal year-end operating statement.	Included are real estate taxes, insurance, management fees, utilities, and repairs and maintenance. Excluded are capital expenditures, tenant improvements, and leasing commissions.	
2 <sup>nd</sup> Preceding Year Physical Occupancy (%)	Second Preceding Fiscal Year Physical Occupancy	The percentage of units occupied as of the first consecutive year-end prior to the preceding fiscal year-end.		
2 <sup>nd</sup> Preceding Source Energy Use Intensity	Second Preceding Source Energy Use Intensity	For a mortgage loan, the energy per square foot consumed per year at the property from the first consecutive calendar year prior to the preceding calendar year.	The score is calculated by dividing the total energy consumed from the source (representing the total amount of raw fuel that is required to operate the building(s) incorporating all transmission, delivery, and production losses) by the building(s) in one year (measured in kBtu) by the total gross floor area of the building(s) (kBtu/ft <sup>2</sup> ).	
2 <sup>nd</sup> Preceding Water Use Intensity	Second Preceding Water Use Intensity	For a mortgage loan, the measure of water use intensity (gallons per square feet) per year at the property from the first consecutive calendar year prior to the preceding calendar year.	The score is calculated by dividing all the water source(s) for the property by the total building area (not including parking or irrigated area).	
3 <sup>rd</sup> Preceding Annual Year		The year associated with the second year prior to the preceding fiscal year-end statement.  See 2 <sup>nd</sup> <a href="#">Preceding Annual Year</a>		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
3 <sup>rd</sup> Preceding Year Energy Star Score	Third Preceding Year Energy Star Score	The score assigned to the property by the ENERGY STAR® Portfolio Manager application as applicable from the second consecutive calendar year prior to the preceding calendar year.	The score compares the property to similar properties nationwide for key performance indicators (e.g., energy use and costs, water use and costs, and greenhouse gas emissions). The score ranges from 0 to 100.	
3 <sup>rd</sup> Preceding Energy Score Date	Third Preceding Energy Score Date	The date that a score was assigned to the property by the ENERGY STAR® Portfolio Manager application from the second consecutive calendar year prior to the preceding calendar year.	Date reflected as month and year only.	
3 <sup>rd</sup> Preceding EPA Water Score	Third Preceding Year EPA Water Score	The score assigned to water usage for the property by the ENERGY STAR Portfolio Manager application from the second consecutive calendar year prior to the preceding calendar year.	The score compares the property's water consumption to similar properties nationwide. The score ranges from 1 to 100.	
3 <sup>rd</sup> Preceding Year EGI (\$)		The normalized effective gross income or revenue as applicable, from the second consecutive year-end prior to the preceding fiscal year-end operating statement.		
3 <sup>rd</sup> Preceding Year NCF (\$)		The normalized effective gross income less total operating expenses and capital expenditures (replacement reserves) as applicable from the second consecutive year-end prior to the preceding fiscal year-end operating statement.		



Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
3 <sup>rd</sup> Preceding Year Operating Expenses (\$)		The normalized total operating expenses as applicable, from the second consecutive year-end prior to the preceding fiscal year-end operating statement.	Included are real estate taxes, insurance, management fees, utilities, and repairs and maintenance. Excluded are capital expenditures, tenant improvements, and leasing commissions.	
3 <sup>rd</sup> Preceding Year Physical Occupancy (%)		The percentage of units occupied as of the second consecutive year-end prior to the preceding fiscal year-end.		
3 <sup>rd</sup> Preceding Source Energy Use Intensity	Third Preceding Source Energy Use Intensity	For a mortgage loan, the energy per square foot consumed per year at the property from the second consecutive calendar year prior to the preceding calendar year.	The score is calculated by dividing the total energy consumed from the source (representing the total amount of raw fuel that is required to operate the building(s) incorporating all transmission, delivery, and production losses) by the building(s) in one year (measured in kBtu) by the total gross floor area of the building(s) (kBtu/ft <sup>2</sup> ).	
3 <sup>rd</sup> Preceding Water Use Intensity	Third Preceding Water Use Intensity	For a mortgage loan, the measure of water use intensity (gallons per square feet) per year per year at the property from the second consecutive calendar year prior to the preceding calendar year.	The score is calculated by dividing all the water source(s) for the property by the total building area (not including parking or irrigated area).	
Additional Addresses indicator	Additional Addresses indicator (Y/N)	Indicators if the property which serves as mortgage collateral has additional addresses.	Additional property addresses will be disclosed on the Annex A only when applicable.	<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
Address	Property Address (Ongoing File)	The primary street address of the property or properties which serve as mortgage collateral.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Affordable Housing Type	Affordable Housing Type	Indicates the type of multifamily affordable housing for the property supporting the mortgage loan.		<ul style="list-style-type: none"> <li>• LIHTC</li> <li>• Project Based HAP/Sec 8</li> <li>• LIHTC &amp; Project Based HAP/Sec 8</li> <li>• Other</li> <li>• Other - Sponsor Initiated Affordability</li> <li>• Not MAH</li> </ul>
Age Restricted	Age Restricted (Y/N)	Indicates if the property either restricts occupancy to persons who are 62 years of age or older or requires that at least 80% of the units in a community be occupied by at least one person who is 55 years of age or older, or as otherwise defined in the Housing for Older Persons Act (HOPA).		
Borrower Owned Unit for Fractured Condo Regime	Borrower Owned Unit for Fractured Condo Regime	The number of units owned by a Borrower in a Fractured residential Condominium as of loan origination.		
Condominium Regime Type	Condominium Regime Type	A multifamily property that is composed of multiple individual units in a building (or other designated area) each of which is bound by the restrictions and requirements set forth in the residential condominium documents applicable to all of units.	Standard: A residential condominium that is operated as a multifamily property and the borrower owns all the units in the building (or other designated area). Fractured: A residential condominium that is operated as a multifamily property and the borrower does not own all the units in the building (or other designated area). See Acquisition Borrower Owned Unit Count property attribute.	<ul style="list-style-type: none"> <li>• Standard</li> <li>• Fractured</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Current Quarter		The time period for the current quarter.		
EGI (\$) YTD	Most Recent Revenue (Property Record Type)	The amount of total revenues for the most recent operating statement reported by the servicer.		
Energy Generated (kBtu)	Energy Generated (kBtu)	For the most recent reporting period, the total quantity of electricity generated annually by the existing onsite electricity generation system (measured in kBtu).		
Energy Star Score - Issuance	ENERGY STAR® Score - Issuance	The score assigned to the property by the ENERGY STAR® Portfolio Manager application.	The score compares the property to similar properties nationwide for key performance indicators (e.g., energy use and costs, water use and costs, and greenhouse gas emissions). The score ranges from 0 to 100.	
Energy Score Date - Issuance	Energy Score Date - Issuance	The date that a score was assigned to the property by the ENERGY STAR® Portfolio Manager application.	Date reflected as month and year only.	
EPA Water Score - Issuance	EPA Water Score - Issuance	The score assigned to water usage for the property by the ENERGY STAR Portfolio Manager application.	The score compares the property's water consumption to similar properties nationwide. The score ranges from 1 to 100.	
General Property Type	General Property Type	Indicates the general type of the property securing the mortgage loan.	Allowable value of SE is a defeased property and only available in the DUS Disclose files.	<ul style="list-style-type: none"> <li>• Manufactured Housing</li> <li>• Cooperative Housing</li> <li>• Multifamily</li> <li>• SE</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Green Building Certification	Green Building Certification	Indicates the type of designation, if any, awarded by a third party certifying that the related mortgaged property meets defined criteria for energy and/or water efficiency, waste management, indoor air quality, and/or other environmental sustainability measures.		
HAP Remaining Term	HAP Remaining Term (months)	At the time of acquisition of the mortgage loan, the term in months remaining on the Housing Assistance Payment program associated with the property.		
MSA	Metropolitan Statistical Area	The Metropolitan Statistical Area (or PMSA if the MSA is consolidated) in which the property is located.	Credit Facilities and Bulk Delivery this field is blank.	
NCF (\$) YTD	Most Recent NCF (Property Record Type)	The dollar amount of income received by the property after accounting for operating expenses and after deducting capital expenditures (replacement reserves) per the most recent operating statement reported by the servicer on the property.		
Operating Expenses (\$) YTD	Most Recent Operating Expenses (Property Record Type)	The total amount of operating expenses for the period covered by the most recent operating statement reported by the servicer.		
Ownership Interest	Ownership Interest	Indicates if ownership of the mortgaged property is held as a fee simple or a leasehold interest by the borrower.		<ul style="list-style-type: none"> <li>• Fee Simple</li> <li>• Leasehold</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Physical Occupancy (%) YTD	Most Recent Physical Occupancy (Property Record Type)	The most recent occupancy rate for a mortgaged property showing units physically occupied by tenants.	The most recent occupancy rate for a mortgaged property showing units physically occupied by tenants.	
Preceding Annual Year		The year associated with the most recent fiscal year-end statement.		
Preceding Year Energy Star Score	Preceding Year Energy Star Score	The score assigned to the property by the ENERGY STAR® Portfolio Manager application from the preceding calendar year.	The score compares the property to similar properties nationwide for key performance indicators (e.g., energy use and costs, water use and costs, and greenhouse gas emissions). The score ranges from 0 to 100.	
Preceding Energy Score Date	Preceding Energy Score Date	The date that a score was assigned to the property by the ENERGY STAR® Portfolio Manager application from the preceding calendar year.	Date reflected as month and year only.	
Preceding EPA Water Score	Preceding Year EPA Water Score	The score assigned to water usage for the property by the ENERGY STAR Portfolio Manager application from the preceding calendar year.	The score compares the property's water consumption to similar properties nationwide. The score ranges from 1 to 100.	
Preceding Year EGI (\$)	Preceding Fiscal Year Revenue (Property Record Level)	The amount of total revenue normalized, and annualized as applicable, from the preceding fiscal year-end operating statement.		
Preceding Year NCF (\$)	Preceding Fiscal Year NCF (Property Record Type)	The amount of effective gross income less total operating expenses and capital expenditures (replacement reserves) from the preceding fiscal year-end operating statement.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Preceding Year Operating Expenses (\$)	Preceding Fiscal Year Operating Expenses (Property Record Type)	The amount of total operating expenses normalized, and annualized as applicable, that relates to the preceding fiscal year-end operating statement.	Included are real estate taxes, insurance, management fees, utilities, and repairs and maintenance. Excluded are capital expenditures, tenant improvements, and leasing commissions.	
Preceding Year Physical Occupancy (%)	Preceding Fiscal Year Physical Occupancy (Property Record Type)	The percentage of units occupied as of the preceding fiscal year-end operating statement available.		
Preceding Source Energy Use Intensity	Preceding Source Energy Use Intensity	For a mortgage loan, the energy per square foot consumed per year at the property from the preceding calendar year.	The score is calculated by dividing the total energy consumed from the source (representing the total amount of raw fuel that is required to operate the building(s) incorporating all transmission, delivery, and production losses) by the building(s) in one year (measured in kBtu) by the total gross floor area of the building(s) (kBtu/ft <sup>2</sup> ).	
Preceding Water Use Intensity	Preceding Water Use Intensity	For a mortgage loan, the measure of water use intensity (gallons per square feet) per year at the property from the preceding calendar year.	The score is calculated by dividing all the water source(s) for the property by the total building area (not including parking or irrigated area).	
Property City	Property City (Ongoing File)	The name of the city where the primary property which serves as mortgage collateral are located.		
Property Condition Rating	Property Condition	Indicates the condition of the property based on the most recent inspection results.		<ul style="list-style-type: none"> <li>• Excellent</li> <li>• Good</li> <li>• Fair</li> <li>• Poor</li> </ul>
Property Condition Rating As of Date	Date of Last Inspection	The date of the most recent physical site inspection.		
Property County	Property County (Issuance Files)	At securitization, the name of the county in which the primary property that serves as mortgage collateral are located.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Property ID	Property ID	A unique number assigned by Fannie Mae to each property serving as collateral for a mortgage loan.		
Property State	Property State (Ongoing)	The current two-character abbreviated code representing the state or territory in which the primary property which serves as mortgage collateral are located.		
Property Status	Property Status	Indicates the status of a property serving as collateral for a mortgage loan.	In the DUS Disclose Files, a value of 3 indicates Defeasance and value of 5 indicates Substituted.	<ul style="list-style-type: none"> <li>• Defeased</li> <li>• Substituted</li> <li>• Same as at Contribution</li> </ul>
Property Zip Code	Property Zip Code (Ongoing File)	The zip (or postal) code for the primary property which serves as mortgage collateral are located.		
Source Energy Use Intensity - Issuance	Source Energy Use Intensity - Issuance	For a mortgage loan, the energy per square foot consumed per year at the property.	Calculated by dividing the total energy consumed from the source (representing the total amount of raw fuel that is required to operate the building(s) incorporating all transmission, delivery, and production losses) by the building(s) in one year (measured in kBtu) by the total gross floor area of the building(s) (kBtu/ft <sup>2</sup> ).	
Specific Property Type	Specific Property Type	Indicates the specific type of the property securing the mortgage loan.		<ul style="list-style-type: none"> <li>• Multifamily</li> <li>• Cooperative</li> <li>• Manufactured Housing</li> <li>• Seniors</li> <li>• Dedicated Student</li> <li>• Other</li> <li>• Military</li> </ul>
Tax Escrow	Tax Escrow (Y/N)	Indicates if the servicer is required to escrow funds for the direct payment of real estate property taxes to the property taxing authority.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> <li>• Various</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Terrorism Insurance	Terrorism Insurance	Indicates if there is terrorism insurance coverage on the property serving as collateral for the mortgage loan.		<ul style="list-style-type: none"> <li>• Y</li> </ul>
Total Units	Current Number of Units/Beds/Rooms	The current number of units, beds or rooms at the mortgaged property as of the current reporting period.		
Unit of Measure	Unit of Measure	Indicates the type of rentable space.		<ul style="list-style-type: none"> <li>• Units</li> <li>• Pads</li> </ul>
Units with Income or Rent Restrictions (%)	Units with Income or Rent Restrictions (%)	The percentage of units, which are subject to either income or rent restrictions set aside for qualified tenants per the stated income limitations, in the property serving as collateral for a mortgage loan.		
UW EGI (\$)	UW Effective Gross Income (\$)	The sum of all underwritten income produced by the property or properties which serve as mortgage collateral.	The value is often derived by calculating the maximum rental income achievable at market rates, net of adjustments that reflects vacancies, credit loss and other such deductions. The Effective Gross income also includes other income, such as parking and laundry fee, typically calculated based on historical collection adjusted to reflect underwritten occupancy or use.	
UW NCF (\$)		The underwritten dollar amount of income received by the property after accounting for total operating expenses and deducting capital expenditures (replacement reserves).		
UW Operating Expenses (%)		The ratio of the sum of total underwritten operating expenses divided by the Underwritten Effective Gross Income.		



Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
UW Physical Occupancy (%)	Physical Occupancy %	The percent used in underwriting of residential dwelling units physically occupied.		
UW Replacement Reserves (\$)	UW Replacement Reserves (\$)	The dollar amount underwritten for capital expenditures (replacement reserves).		
Property Value (\$)		At securitization, the value of the related mortgaged property as reported by the Lender.		
Property Value as of Date		The date the property value of the related mortgaged property was determined.	In certain circumstances an As-Renovated or As-Stabilized Value may be entered.	
Water Use Intensity - Issuance	Water Use Intensity - Issuance	The measure of water use intensity (gallons per square feet) per year at the property	The score is calculated by dividing all the water source(s) for the property by the total building area (not including parking or irrigated area).	
Year Built	Year Built	The year in which a mortgaged property (or the first phase of a multi-phase mortgaged property) was built.		
<b>Credit Facility</b>				
2nd Preceding NCF DSCR(x)	Credit Facility Deal 2 <sup>nd</sup> Preceding NCF DSCR (x)	For Credit Facilities, the ratio of total Net Cash Flow (NCF) for all properties to total debt service for all mortgage loans for the deal calculated from the first consecutive year-end property operating statements prior to the preceding fiscal year property operating statements.		
2nd Preceding Year	Credit Facility 2 <sup>nd</sup> Deal Preceding Year	For Credit Facilities the year associated with the year prior to the preceding fiscal year-end statement.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
3rd Preceding NCF DSCR (x)	Credit Facility Deal 3 <sup>rd</sup> Preceding NCF DSCR (x)	For Credit Facilities, the ratio of total Net Cash Flow (NCF) for all properties to total debt service for all mortgage loans for the deal calculated from the second consecutive year-end property operating statements prior to the preceding fiscal year property operating statements.		
3rd Preceding Year	Credit Facility 3 <sup>rd</sup> Deal Preceding Year	For Credit Facilities, the year associated with the second year prior to the preceding fiscal year-end statement.		
Additional Loans Allowed	Additional Loans Allowed (Y/N)	For Credit Facilities, indicates if any additional borrowings are permitted.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
LTV (%)	Issuance LTV at the Facility Level	For Credit Facilities, the ratio of the Aggregate Cut Off Date Balance Amount to the Collateral Aggregate Value Amount.		
Max Borrowing Amount (\$)	Maximum Borrowing Amount at the Facility Level	For Credit Facilities, the total current outstanding borrowing amount as of the date of the related borrowing under such credit facility. The total maximum borrowing amount may include a borrowing under the credit facility that is expected to be made in the near future (in, for example, the next one or two months). The total maximum borrowing amount under any credit facility is not a fixed amount and may change as future borrowings are made under the related credit facility.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Max Permitted LTV (%)	Maximum Permitted LTV of Credit Facility	For Credit Facilities, the maximum permissible ratio of the total facility debt balance to the value of the collateral.		
Min Permitted DSCR (x) - ARM	Minimum Permitted DSCR of Credit Facility - ARM Loans	For Credit Facilities, the minimum DSCR allowed for variable rate loans within the facility.		
Min Permitted DSCR (x) - Fixed	Minimum Permitted DSCR of Credit Facility - Fixed-Rate Loans	For Credit Facilities, the minimum DSCR allowed for fixed-rate loans within the facility.		
Number of Properties	Number of Mortgaged Properties at the Facility Level	For Credit Facilities, the number of properties which serve as mortgage collateral as of the most recent MBS issuance.		
Other Collateral - Amount (\$)	Value of Other Collateral (\$) at Facility Level	At securitization for Credit Facilities, the value of non-property collateral.		
Other Collateral - Type	Other Collateral Type at Facility Level	For Credit Facilities, the type of non-property collateral held by Fannie Mae and/or third participant custodian.		<ul style="list-style-type: none"> <li>• Guaranteed Investment Contract (GIC)</li> <li>• Delivery Assurance</li> <li>• Investment Agreement</li> <li>• Cash</li> <li>• Corporate Guaranty</li> <li>• Promissory Note</li> <li>• Letter of Credit</li> <li>• Borrower Certificate</li> <li>• Other</li> </ul>
Preceding NCF DSCR (x)	Credit Facility Deal Preceding NCF DSCR (x)	For Credit Facilities, the ratio of total Net Cash Flow (NCF) for all properties to total debt service for all mortgage loans for the deal calculated from the preceding fiscal year-end property operating statements.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Preceding Year	Credit Facility Deal Preceding Year	For Credit Facilities, the year associated with the most recent fiscal year-end statement.		
Property Additions Allowed	Property Additions Allowed (Y/N)	For Credit Facilities, indicates that the borrower is allowed to add additional properties as collateral.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
Property Release Allowed	Property Releases Allowed (Y/N)	For Credit Facilities, indicates if the borrower is allowed to release properties from the collateral pool.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
Property Substitution Allowed	Property Substitution Allowed (Y/N)	For Credit Facilities, indicates if the borrower is allowed to substitute new collateral for existing collateral.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
Property Value (\$)	Aggregate Property Value at the Facility Level	For Credit Facilities, the aggregate property value(s) at the most recent issuance.		
Total Collateral Value (\$)	Total Collateral Value at the Facility Level	At securitization for Credit Facilities, the aggregate value of all the underlying collateral.		
Total UPB (\$)	Total Issuance UPB at the Facility Level	At securitization for Credit Facilities, the aggregate cut-off date balance for all loans.		
UW NCF DSCR (x)	UW NCF DSCR at the Facility Level	For Credit Facilities, the ratio of the underwritten net cash flow from all active properties in the facility to the debt service amount, specifically the total principal and interest, for all active loans.	Full interest-only loans will reflect only interest, and partial interest-only mortgage loans will reflect both principal and interest.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
UW NCF DSCR I/O (x)	UW NCF DSCR (IO) at the Facility Level	For Credit Facilities with at least one active partial interest-only loan still in its interest-only period, the ratio of the underwritten Net Cash Flow from all active properties in the facility at the time of a new issuance of a loan in the facility to the debt service amount, specifically the total principal and interest, for all active loans that are in the facility. Both full interest-only and partial interest-only mortgage loans will reflect only interest.	If all partial interest-only loans are no longer in the interest only period, the field is null.	
<b>REMIC Group</b>				
Current UPB (\$)	Ending Schedule Balance	For a REMIC Group the total amount of unpaid principal balance of the underlying collateral in the current period.		
Green	Green	Indicates that all of the collateral backing the group are Green mortgage loans or securities.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
Index Name	Index Name	For a REMIC class, the index on which an adjustable rate is based.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
Interest Type	Interest Type	For a REMIC Group a type describing the interest cash flows of the underlying collateral.		<ul style="list-style-type: none"> <li>• Adjustable</li> <li>• Adjustable Hybrid</li> <li>• Fixed</li> <li>• Not Applicable</li> <li>• Not Available</li> </ul>
Issuance UPB (\$)		For a REMIC Group at securitization, the total face value amount and/or unpaid balance of the underlying collateral.		
Latest Maturity Date		For a REMIC Group the latest maturity date of the underlying collateral.		
Number of Securities – Current	Ending Security Count	For a REMIC Group the number of underlying MBS serving as collateral in the current reporting period.		
Number of Securities - Issuance		For a REMIC Group at securitization, the number of underlying MBS serving as collateral.		
WA Accruing Note Rate (%) - Current	WA Accruing Note Rate - Current	For a REMIC Group the current weighted average interest rate of the underlying collateral.		
WA Accruing Note Rate (%) - Issuance		For a REMIC Group at securitization, the weighted average interest rate of the underlying collateral.		
WA Original Amortization Term (months)		For a REMIC Group at securitization, the weighted average amortization term of the underlying collateral.	This field will only be populated for Multifamily REMICs issued on or after November 1, 2018	
WA Original Prepayment Term (months)		For a REMIC Group at securitization, the original weighted average term associated with the predominant prepayment type of the underlying collateral.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
WA Original Term (months)		For a REMIC Group at securitization, the weighted average original loan term of the underlying collateral.	This field will only be populated for Multifamily REMICs issued on or after November 1, 2018	
WA PTR (%) - Current	WA PTR - Current	For a REMIC Group the current weighted average pass-through rate of the underlying collateral.		
WA PTR (%) - Issuance		For a REMIC Group at securitization, the weighted average of the pass-through rate of the underlying collateral.		
WA Remaining Term (months) - Issuance		For a REMIC Group at securitization, the weighted average of the remaining loan term of the underlying collateral mortgage loan.		
WA Seasoning (months) – Current		For a REMIC Group the current weighted average number of months since origination of the underlying mortgage loans.		
WA Seasoning (months) – Issuance		For a REMIC Group at securitization, the weighted average number of months since origination of the underlying mortgage loans.		
<b>DUS Disclose Files Attributes – The following attributes are only available in Data Collections.</b>				
	Accretion	The difference between calculated accrued interest on an accrual class and the actual interest paid for the current reporting period.		
	Accrual Days	The number of days in the interest accrual period for a security.	This attribute will be zero until the second Distribution Date.	
	Accrued Interest	The amount of interest distributed to the security holders for the specified period.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Actual Balance	The actual outstanding unpaid principal balance of the mortgage loan as of the current reporting date, which is based on principal payments made to-date by the borrower.		
	Additional Debt Minimum Interest Rate (%)	For additional debt that is an adjustable-rate loan, which may be a Fannie Mae mortgage loan or third-party subordinate lien, the minimum interest rate to which the loan may adjust.		
	Additional Debt ARM Margin (%)	For additional debt that is an adjustable-rate loan, which may be a Fannie Mae mortgage loan or third-party subordinate lien, the rate that is added to the index value in order to establish the new interest rate on each interest rate change date.		
	Additional Debt Balloon (Y/N)	For additional debt, which may be a Fannie Mae mortgage loan or third-party subordinate lien, an indicator identifying a mortgage loan that does not fully amortize and requires a balloon payment at mortgage loan maturity.		
	Additional Debt Current Interest Rate	For additional debt, which may be a Fannie Mae mortgage loan or third-party subordinate lien, the current annual rate of interest assessed on the unpaid mortgage loan balance.		



Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Additional Debt Last Interest Only Payment Date	For additional debt that has an interest only term, which may be a Fannie Mae mortgage loan or third-party subordinate lien, the date of the last interest-only payment.		
	Additional Debt Lien Holder	For additional debt, which may be a Fannie Mae mortgage loan or third-party subordinate lien, the name of the lien holder.		
	Additional Debt Line of Credit Full Amount (\$)	For additional debt that is a line of credit, the maximum amount of the line of credit.		
	Additional Debt Original Amortization Term	For additional debt, which may be a Fannie Mae mortgage loan or third-party subordinate lien, the number of months over which the mortgage loan unpaid principal balance is scheduled to be amortized, as determined at the origination date.		
	Additional Debt Type (Loan Record Type)	Indicates if there are additional debt types associated with the subject mortgage loan.	If there are multiple additional debt, the allowable value will be "Multiple."	<ul style="list-style-type: none"> <li>• Line of Credit</li> <li>• Mezzanine Debt</li> <li>• Third-Party Subordinate Lien</li> <li>• Fannie Mae Mortgage Loan</li> <li>• Preferred Equity</li> <li>• Multiple</li> <li>• None</li> </ul>
	Allocated Percentage of Loan at Contribution	The percentage of the mortgage loan that is supported by the property as collateral.	The sum of all properties assigned as collateral to an individual loan should be 100%.	
	Amortization WAM (REMIC Group)	For a REMIC Group the weighted average amortization term of the underlying collateral in the current reporting period.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Associated Loan Number	See <a href="#">Loan Number</a> definition.		
	Associated Transaction ID	See <a href="#">Transaction ID</a> definition.		
	Beginning Unpaid Interest Balance	The aggregate amount of interest accrued, but not yet paid, for a security at the beginning of a distribution period.	Should equal the prior month Ending Unpaid Interest Balance.	
	Bond Beginning Balance	At the beginning of the current reporting period, the unpaid principal balance of a security prior to allocations of principal and/or realized losses.		
	Beginning Scheduled Balance (REMIC Group)	For a REMIC Group the total amount of unpaid principal balance of the underlying collateral at the beginning of the current period before the current month's pay-downs have been applied.		
	Beginning Security Count (REMIC Group)	For a REMIC Group the number of the underlying MBS at the beginning of the current reporting period before accounting for any MBS paying off.		
	Calculated WAC (REMIC Group)		This field is blank and is not available at this time.	
	Contribution Financials As of Date	At securitization, the last day of the reporting period for the underwritten operating statement.		
	Correction Date	The date the correction was published.		
	Cross Collateralized (Y/N)	Indicates if the mortgage loan is cross collateralized with another mortgage loan.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Cross Defaulted (Y/N)	Indicates if the mortgage loan is cross defaulted with another mortgage loan.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
	Crossed Transaction ID & Loan Number	A combination of the pool number followed by the Fannie Mae loan number(s) for the mortgage loan which is cross collateralized and/or cross defaulted with the subject mortgage loan.		
	Cumulative Prepayment Penalty / Premium Allocation	The aggregate Prepayment Premiums paid to investors for a security since the inception of the Trust.		
	Current Allocated Ending Scheduled Loan Amount	As of the current reporting period, the outstanding principal balance allocated to the property.		
	Current Allocated Percentage	The percentage of the mortgage loan that is supported by the property as collateral.	The sum of all properties assigned as collateral to an individual loan should be 100%. This should be the same as at contribution unless the collateral is released, fully defeased or partially defeased. For full and partial defeasances, the percentage for the defeased portion(s) should equal 100%.	
	Current Beginning Scheduled Balance	As of the beginning of the reporting period, the scheduled or stated principal balance of a mortgage loan.		
	Current Ending Scheduled Balance (Collateral Record Type)	The total unpaid principal balance, as of the end of the current period, for all mortgage loans that serve as collateral for the transaction.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Current Index Rate (Loan Record Type)	For adjustable-rate mortgage loans, the index rate used in the determination of the current period accruing interest rate for a mortgage loan.		
	Current Index Rate (Security Record Type)	For adjustable-rate mortgage security, the index rate used in the determination of the current period accruing interest rate for a security.	This field is blank and is not available at this time.	
	Cumulative Interest Shortfall	The aggregate amount of interest shortfall (or excess) allocated for a bond since the inception of the trust, exclusive of interest accrued on outstanding unpaid shortfalls.		
	Deferred Maintenance Flag	Indicates if the most recent inspection identified that deferred maintenance exists on the property.		
	Delay/No Delay	An indication of whether there is or is not a delay between the payment date of the underlying collateral and the payment due date for the security.	Not applicable for residual classes.	<ul style="list-style-type: none"> <li>• Delay</li> <li>• No Delay</li> <li>• N/A</li> </ul>
	Distribution Date	The date on which funds are distributed to certificate holders for a particular period as defined in disclosure documents.		
	Economic Occupancy (%) (T12)	For a Credit Facility, the net rental collections expressed as a percentage of gross potential rent, reported at the deal level.		
	Ending Current Period Loan Count (REMIC Group)		This field is blank and is not available at this time.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Ending Unpaid Interest Balance	At the end of a distribution period, the aggregate amount of interest accrued, but not yet paid, for a security.	This also represents the next month's Beginning Unpaid Interest Balance and will include interest accrued on outstanding unpaid shortfalls if called for in the bond waterfall.	
	Fannie Mae Transaction ID at the Facility Level	A unique number assigned to each pool within a Credit Facility.		
	Fiscal Year End Month	The month and day in which the borrower's fiscal year-ends as reflected on the property operating statement.		
	Ground Lease (Y/N)	Indicates if a ground lease exists and is subordinate to the mortgage on the property.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
	Interest Shortfall / (Excess)	The amount of interest shortfall (or excess) allocated for a security in the period. This is exclusive of interest accrued on outstanding unpaid shortfalls.	This field will always be blank.	
	Last Loan Contribution Date (Ongoing file)	The date on which the security is settled and the mortgage loan(s) are delivered into the Trust.		
	Last Property/Collateral Contribution Date	The last date that a property was contributed as collateral for the mortgage loan.	For mortgage loans where no additional collateral was contributed after pool issuance, the pool issuance is the last date collateral was contributed to the mortgage loan.	
	Loan & Collateral Footnote	Language describing the Additional Disclosure.		
	Loan Issuance UPB (\$) (Loan Record Type)	At securitization, the total mortgage loan unpaid principal balance.		
	Loan Issuance UPB / Unit (\$) (Loan Record Type)	At securitization, the mortgage loan's unpaid principal balance divided by the number of units in the underlying properties.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Loan Servicer	The name of the entity that serves as the primary servicer of the mortgage loan.		
	Master Servicer	Fannie Mae, in its capacity as master servicer, or any successor or assign that will have the responsibilities specified for this capacity in the Offering Documents.		
	Maturity WAM (REMIC Group)		This field is blank and is not available at this time.	
	Mezzanine Loan Amortization Term	For a Mezzanine loan, the number of months over which the loan's unpaid principal balance is scheduled to be amortized, as determined at the origination date.	For Mezzanine loans with a balloon payment, the amortization term is longer than the term of the Mezzanine loan. If the Mezzanine loan requires interest-only payments for its entire term before its Maturity Date, the Mezzanine Amortization Term is "0".	
	Mezzanine Loan First Monthly Payment Due Date	For a Mezzanine loan, the date on which the first monthly, quarterly, or semiannual payment of principal and/or interest (is due from the Mezzanine borrower).		
	Mezzanine Loan Initial Term Interest Rate (%)	For a Mezzanine loan, the interest rate applied over the initial term.		
	Mezzanine Loan Interest Accrual Method	For a Mezzanine loan, the "number of days" convention used to calculate interest.		<ul style="list-style-type: none"> <li>• 30/360</li> <li>• Actual/365</li> <li>• Actual/360</li> <li>• Actual/366</li> </ul>
	Mezzanine Loan Interest Only End Date	For a Mezzanine loan with a full or partial interest-only period, the date on which the last interest-only payment is due.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Mezzanine Loan Prepayment Provision	For a Mezzanine loan, the prepayment type in place for a specified period during the mortgage loan term.		<ul style="list-style-type: none"> <li>• Declining Premium</li> <li>• Lockout</li> <li>• Other</li> </ul>
	Mezzanine Loan Prepayment Provision End Date	For a Mezzanine loan, the last day on which the associated prepayment feature will be effective.		
	Mezzanine Loan Prepayment Provision Term	For a Mezzanine loan, the number of months during which the associated prepayment feature is applicable		
	Mezzanine Loan Provider	The name of the institution providing the Mezzanine loan to the borrower.		
	Most Recent Debt Service Amount (Loan Record Type)	For all properties underlying the mortgage loan, the total actual payment amount of principal and/or interest that covers the same number of months as the most recent property operating statement.		
	Most Recent Debt Service Amount (Property Record Type)	The total actual payment amount of principal and/or interest that covers the same number of months as the most recent property operating statement.	Calculate using the current allocated percentage to get the allocated amount for each property.	
	Most Recent DSCR (NCF) (Property Record Type)	For all properties underlying the mortgage loans, the ratio of total Net Cash Flow (NCF) to total debt service from the most recent property operating statements (e.g. year-to-date) after the preceding fiscal year-end statement.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Most Recent Financial As of End Date (Loan Record Type)	The last day of the reporting period for all properties underlying the mortgage loan from the most recent operating statements.		
	Most Recent Financial As of End Date (Property Record Type)	The last day of the reporting period for the most recent operating statement after the preceding fiscal year-end statement.		
	Most Recent Financial As of Start Date (Loan Record Type)	For all properties underlying the mortgage loan, the first day of the period from the most recent operating statements.		
	Most Recent Financial As of Start Date (Property Record Type)	For a property, the first day of the period from the most recent operating statement.		
	Most Recent Financial Indicator (Loan Record Type)	For all properties underlying the mortgage loan, indicates if the most recent property operating statement information has been normalized and/or annualized.		<ul style="list-style-type: none"> <li>• Y</li> <li>• N</li> </ul>
	Most Recent Financial Indicator (Property Record Type)	Identifies if the most recent property operating statement information has been normalized and/or annualized.		
	Most Recent NCF (Loan Record Type)	For all properties underlying the mortgage loan, the total normalized NCF amount from the most recent operating statements.		
	Most Recent Occupancy As Of Date	Effective date of the most recently received rent roll.		
	Most Recent Operating Expenses (Loan Record Type)	For all properties underlying the mortgage loan, the total normalized operating expense amount from the most recent operating statements.		



Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Most Recent Physical Occupancy (Loan Record Type)	For all properties underlying the mortgage loan, the most recent available weighted average percentage of units occupied.		
	Most Recent Revenue (Loan Record Type)	For all properties underlying the mortgage loan, the total normalized revenue amount from the most recent operating statements.		
	Most Recent Valuation Date (Loan Record Type)	The effective date of the most recent values.		
	Most Recent Value (Loan Record Type)	For all properties underlying the mortgage loan, the total of the most recent values.		
	NCF (\$) (Trailing 12 months)	Net Cash Flow (NCF) for twelve months preceding the current reporting period for the Credit Facility property operating statements.		
	NCF (\$) (Trailing 3 months)	Net Cash Flow (NCF) for three months preceding the current reporting period for the Credit Facility property operating statements.		
	NCF at Contribution	See <a href="#">UW NCF (\$)</a> definition.		
	Next Index Rate	For adjustable-rate loan, the index rate that will be used to determine the interest rate in effect for the next scheduled interest payment.		
	Next Note Rate	For an adjustable-rate mortgage loan, the interest rate that will be used to determine the next scheduled payment.		
	NOI/NCF Indicator (Loan Record Type)	For all properties underlying a mortgage loan, the method used to calculate net operating income or net cash flow.		• CREFC

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	NOI/NCF Indicator (Property Record Type)	Indicates the method used to calculate net operating income or net cash flow for a property.		<ul style="list-style-type: none"> <li>• CREFC</li> </ul>
	Note Rate Rounding Methodology	For an adjustable-rate mortgage loan, the rounding methodology to be applied to the sum of the index plus margin in determining the periodic mortgage interest rate.		<ul style="list-style-type: none"> <li>• No Rounding</li> <li>• Rounding Down</li> <li>• Rounding Nearest</li> <li>• Rounding Up</li> </ul>
	Notional Flag	Indicates if the balance is solely for the calculation of interest and not for principal distributions.		
	Operating Expenses at Contribution	See <a href="#">UW Total Operating Expenses (\$)</a> definition.		
	Original Loan Count (REMIC Group)		This field is blank and is not available at this time	
	Paid Through Date	The date of the last paid installment that has been paid by the borrower.	For a mortgage loan, the date the last payment of interest (for full or partial interest-only mortgage loans) or principal and interest (for amortizing mortgage loans) was received.	
	Percent of Initial Pool Balance	The unpaid principal balance percent of a mortgage loan in the pool, relative to the unpaid principal balance of the security at issuance.		
	Phase Year/Units	At issuance, the concatenation of Phase Year and Phase Units with unit counts in parentheses and phases separated by forward slash.		
	Physical Occupancy As-of-Date	The underwritten effective date of the received rent roll.		
	Physical Occupancy at Contribution	See <a href="#">UW Physical Occupancy</a> definition.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Preceding Fiscal Year Debt Service Amount (Loan Record Type)	For all properties underlying the mortgage loan, the total actual payment amount of principal and/or interest that covers the same number of months as the preceding fiscal year-end property operating statement.		
	Preceding Fiscal Year Debt Service Amount (Property Record Type)	The total actual principal and or interest payment amount that covers the first consecutive year-end statement available. Payments include actual principal and or interest as required by the loan documents.	Calculate using the current allocated percentage to get the allocated amount for each property.	
	Preceding Fiscal Year DSCR (NCF) (Property Record Type)	For all properties underlying the mortgage loans, the ratio of Net Cash Flow (NCF) to total debt service from the preceding fiscal year-end property operating statements.		
	Preceding Fiscal Year Financial As Of Date (Loan Record Type)	For all properties underlying the mortgage, the last day of the period loan from the preceding fiscal year-end operating statements.		
	Preceding Fiscal Year Financial As Of Date (Property Record Type)	The last date for the preceding fiscal year-end statement available.		
	Preceding Fiscal Year NCF (Loan Record Type)	For all properties underlying the mortgage loan, the total normalized NCF from the preceding fiscal year-end operating statements		
	Preceding Fiscal Year Operating Expenses (Loan Record Type)	For all properties underlying the mortgage loan, the total normalized operating expense amount from the preceding fiscal year-end operating statements.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Preceding Fiscal Year Physical Occupancy (Loan Record Type)	For all the properties underlying the mortgage loan, the weighted average percentage of units occupied from the preceding fiscal year-end operating statements.		
	Preceding Fiscal Year Revenue (Loan Record Type)	For all properties underlying the mortgage loan, the amount of total revenues normalized, and annualized as applicable, from the preceding fiscal year-end statements.		
	Prepaid Loans – Number (REMIC Group)		This field is blank and is not available at this time.	
	Prepaid loans – Principal (REMIC Group)		This field is blank and is not available at this time.	
	Prepayment Penalty / Premium Allocation	The amount of Prepayment Premiums paid to Investors for a security in the period.		
	Prepayment Provision (Security Record Type)	Sequential codes for each type of prepayment provision and the weighted average term of the provision in months following each code.		<ul style="list-style-type: none"> <li>• L = Lockout or prepayment is not allowed during this period</li> <li>• YM = Yield Maintenance</li> <li>• DEF = Defeasance</li> <li>• O = Open or prepayment is allowed without prepayment premium during this period</li> <li>• DP = Declining Premium</li> <li>• Oth = Other Prepayment</li> </ul>
	Prepayment Provision End Date (Security Record Type)	Sequential codes for each type of prepayment provision and the end date following each code.	The end date reflects the latest date for each code.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Property / Collateral Contribution Date	The date that the property was contributed to the securitization.	If the property was part of the original transaction collateral, then the date is closing/securitization date. If the property was defeased or substituted, then this date would reflect the effective date of the defeasance or substitution.	
	Property Address (Issuance Files)	At securitization, the address of the property or properties which serve as the mortgage collateral are located.		
	Property City (Issuance Files)	At securitization, the name of the city where the property or properties which serve as mortgage collateral are located.		
	Property Name (Issuance Files)	At securitization, the name of the property which serves as mortgage collateral.		
	Property State (Issuance Files)	At securitization, the two-character abbreviated code representing the state in which the property or properties which serve as mortgage collateral are located.		
	Property Value (\$) (Issuance Files)  Most Recent Value (Ongoing File)	The most recent value of the property.		
	Property Value As-of-Date (Issuance File)  Most Recent Valuation Date (Ongoing File)	The date that the most recent value was effective.	In certain circumstances an As-Renovated or As-Stabilized Value Date may be entered for Property Value As-of-Date (Issuance File).	
	Property Zip Code (Issuance File)	At securitization, the zip (or postal) code for the property or properties which serve as mortgage collateral.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Prospectus Loan ID	See <a href="#">Loan Number</a>		
	Publication Date	The date and time the disclosure for a security was published.	Time is Eastern Standard.	
	Realized Loss (Gain) to Trust	Any reduction or increase to the principal balance for a security without a corresponding principal payment.	This field will always be null.	
	Realized Loss (Gain) to Trust (REMIC Group)		This field will always be null.	
	Record Date	The date used to determine the holder of record for the current period payment. The holder of the security at the opening of business on this date will be paid interest on the payment date.		
	Record Type	The level of the data attributes.	Examples: Security, Loan or Property	
	Remaining Amortization Term (months)	At securitization, the number of remaining months over which the mortgage loan unpaid principal balance is scheduled to be amortized.		
	Remaining Loan Term (months) (Issuance Files)	At securitization, the number of remaining months to the maturity of the mortgage loan.		
	Revenue at Contribution	See <a href="#">UW Effective Gross Income (\$)</a> definition.		
	Scheduled Principal Amount	The dollar amount of scheduled principal portion paid to the investor.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Second Preceding Fiscal Year Debt Service Amount (Loan Record Type)	For all properties underlying the mortgage loan, the total actual payment amount of principal and/or interest that covers the same number of months as the first consecutive year-end prior to the preceding fiscal year-end property operating statement.		
	Second Preceding Fiscal Year Debt Service Amount (Property Record Level)	The total actual principal and or interest payments for the first consecutive year-end prior to the preceding fiscal year-end statement as reported by the servicer. Payments include actual principal and or interest as required by the loan agreement.	It is calculated by using the current allocated percentage to get the allocated amount for each property.	
	Second Preceding Fiscal Year DSCR (NCF) (Property Record Type)	For all properties underlying the mortgage loans, the ratio of total Net Cash Flow (NCF) to total debt service from the first consecutive year-end prior to the preceding fiscal year-end property operating statements.		
	Second Preceding Fiscal Year Financial As Of Date (Loan Record Type)	For all properties underlying the mortgage loan, the last day of the period from the first consecutive year-end operating statements prior to the preceding fiscal year-end operating statements.		
	Second Preceding Fiscal Year Financial As Of Date (Property Record Type)	The end date of the operating statement that relates to the first consecutive year-end prior to the preceding fiscal year-end statement.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Second Preceding Fiscal Year NCF (Loan Record Type)	For all properties underlying the mortgage loan, the total normalized NCF from the first consecutive year-end prior to the preceding fiscal year-end operating statements.		
	Second Preceding Fiscal Year Operating Expenses (Loan Record Type)	For all properties underlying the mortgage loan, the normalized total operating expense amount from the first consecutive year-end prior to the preceding fiscal year-end operating statements.		
	Second Preceding Fiscal Year Physical Occupancy (Loan Record Type)	For all properties underlying the mortgage loan, the percentage of units occupied as of the first consecutive year-end prior to the preceding fiscal year-end.		
	Second Preceding Fiscal Year Revenue (Loan Record Type)	For all properties underlying the mortgage loan, the total normalized revenue amount from the first consecutive year-end prior to the preceding fiscal year-end operating statements for all properties underlying the mortgage loan.		
	Security Footnote	A description on the Annex A with Additional Disclosure.		
	T12 NCF DSCR - Period (Credit Facility Record Type)	For Credit Facilities, the trailing 12-month period for which the DSCR value reported is applicable.		
	T12 NCF DSCR - Period (Loan and Property Record Type)	For Credit Facilities properties, the 12-month period for which the operating statement data applies.		



Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	T12 NCF DSCR (x)	For Credit Facilities, the ratio of total Net Cash Flow (NCF) for all properties to total debt service for all mortgage loans for the deal calculated using the twelve months preceding the current reporting period.		
	T3 NCF DSCR - Period (Credit Facility Record Type)	For Credit Facilities, the trailing 3-month period for which the DSCR value reported is applicable.		
	T3 NCF DSCR - Period (Loan and Property Record Type)	For Credit Facilities properties, the 3-month period for which the operating statement data applies.		
	T3 NCF DSCR (x)	For Credit Facilities, the ratio of total Net Cash Flow (NCF) for all properties to total debt service for all mortgage loans for the deal calculated using the three months preceding the current reporting period.		
	Total Interest Distribution (REMIC Group)	For a REMIC Group, the total interest payments made for the current period.		
	Total Loan Amount at Origination	See <a href="#">Original UPB</a> definition.		
	Total Penalty for the Period	The total prepayment premium in the current period for all loans backing all classes within the transaction.		
	Total Penalty for the Period (REMIC Group)	For a REMIC Group the total prepayment premium in the current period for the underlying collateral.		

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	Total Units	At securitization, the total number of residential units in all phases of the property securing the mortgage loan.		
	Trustee	Fannie Mae, in its capacity as trustee, its successors or assigns, which has the responsibilities specified for this capacity in the Trust Documents.		
	Unscheduled Principal Collections (Loan Record Type)	The dollar amount of prepaid principal included in the current payment.		
	Unscheduled Principal Collections (Security Record Type)  Unscheduled Principal Collections/Other Principal Adjustments (Collateral Record Type)	Principal prepayments and other unscheduled payments of principal on the loan that are passed through to the certificate holders on the current distribution date.		
	Unscheduled Principal Collections/Other Principal Adjustments (REMIC Group)		This field is blank and is not available at this time.	
	UW Economic Occupancy (%) (Property Record Type)	At underwriting, net rental collections used in the underwriting of the mortgage loan expressed as a percentage of gross potential rent.	Gross potential rent adjusted to account for vacancy loss, bad debt expense, and rental concessions, as a percentage of total gross potential rent.	
	UW NCF (\$)	At securitization, the underwritten Net Cash Flow (NCF).	Formerly known as UW NOI, NCF is calculated by taking the Effective Gross Income (EGI) amount less Total Operating Expenses (TOE) and Capital Expenditures (Replacement Reserves).	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	UW Total Operating Expense (\$)	The underwritten annual total dollar amount of all expenses related to operating the property, not including Capital Expenditures (Replacement Reserves).		
	Valuation Amount at Contribution	The estimated value of the related mortgaged property as reported to Fannie Mae by the Lender, which value may equal either the appraised value (based on the third-party appraisal) or the Lender's underwriting value (based on the Lender's evaluation of the mortgaged property and the Lender's analysis of market rent, sales comparables, and projected market trends).		
	WA Amortization Term - Issuance	At securitization, the weighted average of the original amortization terms for all mortgage loans in the security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.  For a Mega issued before May 1, 2018 the WA Amortization Term – Issuance will not be populated on DUS Disclose.	
	WA Lifetime Pass-Through Rate Cap - Issuance	At securitization, for an adjustable-rate mortgage security, the weighted average of the lifetime pass through rate caps for all mortgage loans within a security.	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan.	
	WA MBS Margin - Issuance	At securitization, the weighted average of the net loan margins for all mortgage loans in the mortgage backed security (MBS).	The weight for the calculation is the Scheduled Unpaid Principal Balance amount of each loan at issuance.	

Advanced Search Download Results Attribute Name	DUS Disclose Files Attribute Name	DUS Disclose Definition	DUS Disclose Definition Notes	Allowable Values
	WA Remaining Term (months) (REMIC Group)	For a REMIC Group the weighted average of the underlying collat- eral remaining loan term.		