

DRAFT

Level	Order	Data Type	Element/Attribute Name	Max Length	Choice List	Max Occur	Item	Asset Data
1	1	NV	assetData			1		m
2	1	NV	assets			Unlimited		m
3	1	String	assetTypeNumber	100		1	Item 2(a)(1)	m
3	2	String	assetNumber	25		1	Item 2(a)(2)	m
3	3	Integer	GroupID	8		1	Item 2(a)(3)	o
3	4	Date	reportingPeriodBeginningDate			1	Item 2(b)(1)	o
3	5	Date	reportingPeriodEndDate			1	Item 2(b)(2)	o
3	6	String	originatorName	150		1	Item 2(c)(1)	o
3	7	Date	originationDate			1	Item 2(c)(2)	o
3	8	Decimal	originalLoanAmount	14,2		1	Item 2(c)(3)	o
3	9	Integer	originalTermLoanNumber	2		1	Item 2(c)(4)	o
3	10	Date	maturityDate			1	Item 2(c)(5)	o
3	11	Integer	originalAmortizationTermNumber	8		1	Item 2(c)(6)	o
3	12	Decimal	originalInterestRatePercentage	14,2		1	Item 2(c)(7)	o
3	13	Decimal	interestRateSecuritizationPercentage	14,2		1	Item 2(c)(8)	o
3	14	String	interestAccrualMethodCode		INTR_ACCRL METH CODE TYPE	1	Item 2(c)(9)	o
3	15	String	originalInterestRateTypeCode		ORIG_INTR_RT_TYP_CODE TYPE	1	Item 2(c)(10)	o
3	16	Integer	originalInterestOnlyTermNumber	8		1	Item 2(c)(11)	o
3	17	Date	firstLoanPaymentDueDate			1	Item 2(c)(12)	o
3	18	Boolean	underwritingIndicator			1	Item 2(c)(13)	o
3	19	String	lienPositionSecuritizationCode		LIEN PSTN CODE TYPE	1	Item 2(c)(14)	o
3	20	String	loanStructureCode		LOAN_STCTR CODE TYPE	1	Item 2(c)(15)	o
3	21	String	paymentTypeCode		PYMNT_TYP_CODE TYPE	1	Item 2(c)(16)	o
3	22	Decimal	periodicPrincipalAndInterestPaymentSecuritizationAmount	14,2		1	Item 2(c)(17)	o
3	23	Decimal	scheduledPrincipalBalanceSecuritizationAmount	14,2		1	Item 2(c)(18)	o
3	24	String	paymentFrequencyCode		PYMNT_FREQ_CODE TYPE	1	Item 2(c)(19)	o
3	25	Integer	NumberPropertiesSecuritization	8		1	Item 2(c)(20)	o

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Level	Order	Data Type	Element/Attribute Name	Max Length	Choice List	Max Occur	Item	Asset Data
3	26	Integer	NumberProperties	8		1	Item 2(c)(21)	o
3	27	Integer	graceDaysAllowedNumber	8		1	Item 2(c)(22)	o
3	28	Boolean	interestOnlyIndicator			1	Item 2(c)(23)	o
3	29	Boolean	balloonIndicator			1	Item 2(c)(24)	o
3	30	Boolean	prepaymentPremiumIndicator			1	Item 2(c)(25)	o
3	31	Boolean	negativeAmortizationIndicator			1	Item 2(c)(26)	o
3	32	Boolean	modifiedIndicator			1	Item 2(c)(27)	o
3	33	String	armIndexCode		ARM_IDX_CODE_TYPE	1	Item 2(c)(28)(i)	o
3	34	Date	firstRateAdjustmentDate			1	Item 2(c)(28)(ii)	o
3	35	Date	firstPaymentAdjustmentDate			1	Item 2(c)(28)(iii)	o
3	36	Integer	armMarginNumber	8		1	Item 2(c)(28)(iv)	o
3	37	Decimal	lifetimeRateCapPercentage	14,2		1	Item 2(c)(28)(v)	o
3	38	Decimal	lifetimeRateFloorPercentage	14,2		1	Item 2(c)(28)(vi)	o
3	39	Decimal	periodicRateIncreaseLimitPercentage	14,2		1	Item 2(c)(28)(vii)	o
3	40	Decimal	periodicRateDecreaseLimitPercentage	14,2		1	Item 2(c)(28)(viii)	o
3	41	Decimal	periodicPaymentAdjustmentMaximumAmount	14,2		1	Item 2(c)(28)(ix)	o
3	42	Decimal	periodicPaymentAdjustmentMaximumPercent	14,2		1	Item 2(c)(28)(x)	o
3	43	String	rateResetFrequencyCode		RT_RST_FREQ_CODE_TYPE	1	Item 2(c)(28)(xi)	o
3	44	String	paymentResetFrequencyCode		PY_RST_FREQ_CODE_TYPE	1	Item 2(c)(28)(xii)	o
3	45	Integer	indexLookbackDaysNumber	8		1	Item 2(c)(28)(xiii)	o
3	46	Date	prepaymentLockOutEndDate			1	Item 2(c)(29)(i)	o
3	47	Date	yieldMaintenanceEndDate			1	Item 2(c)(29)(ii)	o
3	48	Date	prepaymentPremiumsEndDate			1	Item 2(c)(29)(iii)	o
3	49	Decimal	maximumNegativeAmortizationAllowedPercentage	14,2		1	Item 2(c)(30)(i)	o

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Level	Order	Data Type	Element/Attribute Name	Max Length	Choice List	Max Occur	Item	Asset Data
3	50	Decimal	maximumNegativeAmortizationAllowedAmount	14,2		1	Item 2(c)(30)(ii)	o
3	51	Decimal	negativeAmortizationDeferredInterestCapAmount	14,2		1	Item 2(c)(30)(iii)	o
3	52	Decimal	deferredInterestCumulativeAmount	14,2		1	Item 2(c)(30)(iv)	o
3	53	Decimal	deferredInterestCollectedAmount	14,2		1	Item 2(c)(30)(v)	o
2	54	NV	property			Unlimited		o
4	55	String	propertyName	150		1	Item 2(d)(1)	o
4	56	String	propertyAddress	200		1	Item 2(d)(2)	o
4	57	String	propertyCity	50		1	Item 2(d)(3)	o
4	58	String	propertyState	2		1	Item 2(d)(4)	o
4	59	String	propertyZip	10		1	Item 2(d)(5)	o
4	60	String	propertyCounty	50		1	Item 2(d)(6)	o
4	61	String	propertyTypeCode		PROPRY_TYP_CODE_TYPE	1	Item 2(d)(7)	o
4	62	Integer	netRentableSquareFeetNumber	8		1	Item 2(d)(8)	o
4	63	Integer	netRentableSquareFeetSecuritizationNumber	8		1	Item 2(d)(9)	o
4	64	Integer	unitsBedsRoomsNumber	8		1	Item 2(d)(10)	o
4	65	Integer	unitsBedsRoomsSecuritizationNumber	8		1	Item 2(d)(11)	o
4	66	Integer	yearBuiltNumber	8		1	Item 2(d)(12)	o
4	67	Integer	yearLastRenovated	8		1	Item 2(d)(13)	o
4	68	Decimal	valuationSecuritizationAmount	14,2		1	Item 2(d)(14)	o
4	69	String	valuationSourceSecuritizationCode		VAL_SRC_SCRTZTN_CODE_TYPE	1	Item 2(d)(15)	o
4	70	Date	valuationSecuritizationDate			1	Item 2(d)(16)	o
4	71	Decimal	mostRecentValuationAmount	14,2		1	Item 2(d)(17)	o
4	72	Date	mostRecentValuationDate			1	Item 2(d)(18)	o
4	73	String	mostRecentValuationSourceCode		MST_RCNT_VAL_SRC_CODE_TYPE	1	Item 2(d)(19)	o
4	74	Decimal	physicalOccupancySecuritizationPercentage	14,2		1	Item 2(d)(20)	o
4	75	Decimal	mostRecentPhysicalOccupancyPercentage	14,2		1	Item 2(d)(21)	o
4	76	String	propertyStatusCode		PROPRY_STAT_CODE_TYPE	1	Item 2(d)(22)	o

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Level	Order	Data Type	Element/Attribute Name	Max Length	Choice List	Max Occur	Item	Asset Data
4	77	Date	defeasanceOptionStartDate			1	Item 2(d)(23)	o
4	78	String	DefeasedStatusCode		DFSNC_STAT_CODE_TYPE	1	Item 2(d)(24)	o
4	79	String	largestTenant	150		1	Item 2(d)(25)(i)	o
4	80	Integer	squareFeetLargestTenantNumber	8		1	Item 2(d)(25)(ii)	o
4	81	Date	leaseExpirationLargestTenantDate			1	Item 2(d)(25)(iii)	o
4	82	String	secondLargestTenant	150		1	Item 2(d)(26)(i)	o
4	83	Integer	squareFeetSecondLargestTenantNumber	8		1	Item 2(d)(26)(ii)	o
4	84	Date	leaseExpirationSecondLargestTenantDate			1	Item 2(d)(26)(iii)	o
4	85	String	thirdLargestTenant	150		1	Item 2(d)(27)(i)	o
4	86	Integer	squareFeetThirdLargestTenantNumber	8		1	Item 2(d)(27)(ii)	o
4	87	Date	leaseExpirationThrdLargestTenantDate			1	Item 2(d)(27)(iii)	o
4	88	Date	financialsSecuritizationDate			1	Item 2(d)(28)(i)	o
4	89	Date	mostRecentFinancialsStartDate			1	Item 2(d)(28)(ii)	o
4	90	Date	mostRecentFinancialsEndDate			1	Item 2(d)(28)(iii)	o
4	91	Decimal	revenueSecuritizationAmount	14,2		1	Item 2(d)(28)(iv)	o
4	92	Decimal	mostRecentRevenueAmount	14,2		1	Item 2(d)(28)(v)	o
4	93	Decimal	operatingExpensesSecuritizationAmount	14,2		1	Item 2(d)(28)(vi)	o
4	94	Decimal	operatingExpensesAmount	14,2		1	Item 2(d)(28)(vii)	o
4	95	Decimal	netOperatingIncomeSecuritizationAmount	14,2		1	Item 2(d)(28)(viii)	o
4	96	Decimal	mostRecentNetOperatingIncomeAmount	14,2		1	Item 2(d)(28)(ix)	o
4	97	Decimal	netCashFlowFlowSecuritizationAmount	14,2		1	Item 2(d)(28)(x)	o
4	98	Decimal	mostRecentNetCashFlowAmount	14,2		1	Item 2(d)(28)(xi)	o
4	99	String	netOperatingIncomeNetCashFlowSecuritizationCode		NET_OPRTNG_INCM_NET_CASH_FLW_S CRTZTN_CODE_TYPE	1	Item 2(d)(28)(xii)	o

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Level	Order	Data Type	Element/Attribute Name	Max Length	Choice List	Max Occur	Item	Asset Data
4	100	String	netOperatingIncomeNetCashFlowCode		NET_OPRNG_INCM_NET_CASH_FLW_CODE_TYPE	1	Item 2(d)(28)(xiii)	o
4	101	Decimal	mostRecentDebtServiceAmount			1	Item 2(d)(28)(xiv)	o
4	102	Decimal	debtServiceCoverageNetOperatingIncomeSecuritizationPercentage	14,2		1	Item 2(d)(28)(xv)	o
4	103	Decimal	mostRecentDebtServiceCoverageNetOperatingIncomePercentage	14,2		1	Item 2(d)(28)(xvi)	o
4	104	Decimal	debtServiceCoverageNetCashFlowSecuritizationPercentage	14,2		1	Item 2(d)(28)(xvii)	o
4	105	Decimal	mostRecentDebtServiceCoverageNetCashFlowpercentage	14,2		1	Item 2(d)(28)(xviii)	o
4	106	String	debtServiceCoverageSecuritizationCode		DEBT_SRVC_CVRG_CODE_TYPE	1	Item 2(d)(28)(xix)	o
4	107	String	mostRecentDebtServiceCoverageCode	14,2	MST_RCNT_DEBT_SRVC_AMNT_CODE_TYPE	1	Item 2(d)(28)(xx)	o
4	108	Date	mostRecentAnnualLeaseRolloverReviewDate			1	Item 2(d)(28)(xxi)	o
3	109	Boolean	assetAddedIndicator			1	Item 2(e)(1)	o
3	110	Boolean	reportPeriodModificationIndicator			1	Item 2(e)(2)	o
3	111	Decimal	reportPeriodBeginningScheduleLoanBalanceAmount	14,2		1	Item 2(e)(3)	o
3	112	Decimal	totalScheduledPrincipalInterestDueAmount	14,2		1	Item 2(e)(4)	o
3	113	Decimal	reportPeriodInterestRatePercentage	14,2		1	Item 2(e)(5)	o
3	114	Decimal	servicerTrusteeFeeRatePercentage	14,2		1	Item 2(e)(6)	o
3	115	Decimal	scheduledInterestAmount	14,2		1	Item 2(e)(7)	o
3	116	Decimal	otherInterestAdjustmentAmount	14,2		1	Item 2(e)(8)	o
3	117	Decimal	scheduledPrincipalAmount	14,2		1	Item 2(e)(9)	o
3	118	Decimal	unscheduledPrincipalCollectedAmount	14,2		1	Item 2(e)(10)	o
3	119	Decimal	otherPrincipalAdjustmentAmount	14,2		1	Item 2(e)(11)	o
3	120	Decimal	reportPeriodEndActualBalanceAmount	14,2		1	Item 2(e)(12)	o
3	121	Decimal	reportPeriodEndScheduledLoanBalanceAmount	14,2		1	Item 2(e)(13)	o
3	122	Date	paidThroughDate			1	Item 2(e)(14)	o
3	123	Date	hyperAmortizingDate			1	Item 2(e)(15)	o

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Level	Order	Data Type	Element/Attribute Name	Max Length	Choice List	Max Occur	Item	Asset Data
3	124	String	servicingAdvanceMethodCode		SRVC_ADV METH CODE TYPE	1	Item 2(e)(16)(i)	o
3	125	Boolean	nonRecoverabilityIndicator			1	Item 2(e)(16)(ii)	o
3	126	Decimal	totalPrincipallInterestAdvancedOutstandingAmount	14,2		1	Item 2(e)(16)(iii)	o
3	127	Decimal	totalTaxesInsuranceAdvancesOutstandingAmount	14,2		1	Item 2(e)(16)(iv)	o
3	128	Decimal	otherExpensesAdvancedOutstandingAmount	14,2		1	Item 2(e)(16)(v)	o
3	129	String	paymentStatusLoanCode		PYMNT_STAT LOAN CODE TYPE	1	Item 2(e)(17)	o
3	130	Decimal	armIndexRatePercentage	14,2		1	Item 2(e)(18)(i)	o
3	131	Decimal	nextInterestRatePercentage	14,2		1	Item 2(e)(18)(ii)	o
3	132	Date	nextInterestRateChangeAdjustmentDate			1	Item 2(e)(18)(iii)	o
3	133	Date	nextPaymentAdjustmentDate			1	Item 2(e)(18)(iv)	o
3	134	String	primaryServicerName	30		1	Item 2(f)(1)	o
3	135	Date	mostRecentSpecialServicerTransferDate			1	Item 2(f)(2)	o
3	136	Date	mostRecentMasterServicerReturnDate			1	Item 2(f)(3)	o
3	137	Boolean	assetSubjectDemandIndicator			1	Item 2(g)	o
3	138	String	assetSubjectDemandStatusCode		ASSET SUBJ DEMAND STAT CODE TYPE	1	Item 2(g)(1)	o
3	139	Decimal	repurchaseAmount	14,2		1	Item 2(g)(2)	o
3	140	Date	demandResolutionDate			1	Item 2(g)(3)	o
3	141	String	repurchaserName	150		1	Item 2(g)(4)	o
3	142	String	repurchaseReplacementReasonCode		REPRCH RPLCMNT REASN CODE TYPE	Unlimited	Item 2(g)(5)	o
3	143	Decimal	realizedLossToTrustAmount	14,2		1	Item 2(h)	o
3	144	String	liquidationPrepaymentCode		LIQDTN PRPYMNT CODE TYPE	1	Item 2(i)(1)	o
3	145	Date	liquidationPrepaymentDate			1	Item 2(i)(2)	o
3	146	Decimal	prepaymentPremiumYieldMaintenanceReceivedAmount	14,2		1	Item 2(i)(3)	o
3	147	String	workoutStrategyCode		WRKOUT_STRAT CODE TYPE	Unlimited	Item 2(j)	o
3	148	Date	lastModificationDate			1	Item 2(k)(1)	o

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Level	Order	Data Type	Element/Attribute Name	Max Length	Choice List	Max Occur	Item	Asset Data
3	149	String	modificationCode		MOD_CODE_TYPE	Unlimited	Item 2(k)(2)	o
3	150	Decimal	postModificationInterestPercentage	14,2		1	Item 2(k)(3)	o
3	151	Decimal	postModificationPaymentAmount	14,2		1	Item 2(k)(4)	o
3	152	Date	postModificationMaturityDate			1	Item 2(k)(5)	o
3	153	Decimal	postModificationAmortizationPeriodAmount	14,2		1	Item 2(k)(6)	o

3.4.4. Mapping of ABS RMBS Schema to the Asset Data Types

Level	Order	Data Type	Element/Attribute Name	Max Length	Choice List	Max Occur	Item	Asset Data
1	1	NV	assetData			1		m
2	1	NV	assets			Unlimited		m
3	1	String	assetTypeNumber	100		1	Item 1(a)(1)	m
3	2	String	assetNumber	25		1	Item 1(a)(2)	m
3	3	Integer	assetGroupNumber	8		1	Item 1(a)(3)	o
3	4	Date	reportPeriodBeginDate			1	Item 1(b)(1)	o
3	5	Date	reportPeriodEndDate			1	Item 1(b)(2)	o
3	6	String	originalLoanPurposeCode		ORIG_LOAN_PURPS_CODE_TYPE	Unlimited	Item 1(c)(1)	o
3	7	String	originatorName	150		1	Item 1(c)(2)	o
3	8	Decimal	originalLoanAmount	14,2		1	Item 1(c)(3)	o
3	9	Date	originalLoanMaturityDate			1	Item 1(c)(4)	o
3	10	Integer	originalAmortizationTermNumber	8		1	Item 1(c)(5)	o
3	11	Decimal	originalInterestRatePercentage	14,2		1	Item 1(c)(6)	o