DATA TAG GLOSSARY

Set forth below is a glossary of all data tags to be used in EMMA's automated submission interface for submissions of data messages and document messages. These data elements are organized in a hierarchical data relationship. This glossary sets out each data element's XML container, data tag, definition and data specifications, including a listing of enumerated values for those data elements where the submitter is to choose a value and an example of the data format where the submitter is to enter a value.

	Submission Data Tags Description and Specification EMMA Primary Market Disclosure Service		
XML Container	**Data Tag**	**Definition**	**Data Specification**
Submission	Submission Type	Indicates base category of disclosure, consisting of primary market or advance refunding disclosure	Enumerated Value: • PrimaryMarketDisclosure • AdvanceRefundingDisclosure
	Submission Status	Indicates the intention to publish the information in the EMMA public portal or as official notice of cancellation of the offering	Enumerated Value: • Publish • NoticeOfCancellationOfOffering • Test
	Submission Identifier	Unique identifier assigned by EMMA at time of initiation of submission (the initial submission event) and used by the submitter in connection with subsequent submission events	Max25Text *ex:* S212345678910
	Submission Underwritten CUSIP9 Identifier	CUSIP9 of a security in the offering used to link each submission event during the submission sequence for a particular submission – available only for primary market disclosure submission, cannot be used for advance refunding submission	String{Min9,Max9} *ex:* 123456AB7
Offering	Offering Type	Identifies the offering as debt securities, including bonds, notes, certificates of participation and other debt obligations	Enumerated Value: • Bond
	CUSIP9 Of Latest Maturity On Issue Not Underwritten	Nine-digit CUSIP number of the latest maturity of each issue in the offering that is not underwritten by the underwriter, if any	String{Min9,Max9} *ex:* 123456AB7

XML Container	Data Tag	Definition	Data Specification
Offering	OS Availability Status	Indicates special availability conditions with respect to the official statement, including whether (i) the official statement will be made available late (after closing); (ii) an official statement has not been produced; or (iii) the official statement produced for a limited offering under Rule 15c2-12(d)(1)(i) is available only from the underwriter	Enumerated Value: • OSNotAvailableAtClosing • OSAvailableOnlyFromUnderwriter_15c212 ExemptLimitedOffering • OSNotProduced_15c212ExemptLimitedOf fering • OSNotProduced_15c212ExemptShortTer mOffering • OSNotProduced_15c212ExemptPuttable Offering • OSNotProduced_15c212ExemptSmallOffe ring
	POS Availability Status	Indicates special availability conditions with respect to the preliminary official statement where an official statement is not available by closing, including whether (i) the preliminary official statement is being made available or (ii) preliminary official statement has not been produced	Enumerated Value: • POSSubmitted • NoPOSPrepared
	Underwriting Spread Disclosure Indicator	If underwriting spread not submitted to EMMA, indicates whether underwriting spread or agency fee paid is disclosed in official statement or if not disclosed for a competitive sale.	Enumerated Value: • DisclosedInOfficialStatement • NotDisclosed_CompetitiveSale
	Underwriting Spread	Underwriting spread or agency fee paid to underwriter in a negotiated offering, if not disclosed in official statement (if Underwriting Spread is in dollars – e.g., express $1,000,000.00 as 1000000; otherwise if in basis points – e.g., express 25 basis points as 0.25) Interpretation of value: If Underwriting Spread value is greater than 100.00 the value will be interpreted as dollars, otherwise as percent.	Float *ex:* 450245.55 [dollars] or 0.85 [basis points]

XML Container	Data Tag	Definition	Data Specification
Offering	Underwriter Assessment Exemption Indicator	Indicates an applicable exception from the underwriting assessment under MSRB Rule A-13(a) for an offering in which all securities in the offering: • Have an aggregate par value less than $1,000,000; • Have a final stated maturity of nine months or less; • At the option of the holder thereof, may be tendered to an issuer of such securities or its designated agent for redemption or purchase at par value or more at least as frequently as every none months until maturity, earlier redemption, or purchase by an issuer or its designated agent; • Have authorized denominations of $100,000 or more and are sold to no more than thirty-five persons each of whom the broker, dealer or municipal securities dealer reasonably believes: (A) has the knowledge and experience necessary to evaluate the merits and risks of the investment; and (B) is not purchasing for more than one account, with a view toward distributing the securities	Enumerated Value: • OfferingLessThan1Million • EntireOfferingMatures9MonthsOrLess • EntireOfferingPuttable9MonthsOrLess • Rule15c212ExemptLimitedOffering
	Underwriter Assessment Discount Indicator	Indicates an applicable discount from the standard underwriting assessment under MSRB Rule A-13(b) for the following offerings: • For primary offerings in which all securities offered have a final stated maturity less than two years; or • For primary offerings in which all securities offered, at the option of the holder thereof, may be tendered to an issuer of such securities or its designated agent for redemption or purchase at par value or more at least as frequently as every two years until maturity earlier redemption, or purchase by an issuer or its designated agent.	Enumerated Value: • EntireOfferingMatures2YearsOrLess • EntireOfferingPuttable2YearsOrLess
Issue	Issue Type	Indicates whether issue is (i) a new issue (including new money issues and current and advance refunding issues), (ii) an outstanding issue that is being remarketed, or (iii) an outstanding issue that is being refunded	Enumerated Value: • NewIssue • Remarketed • Refunded
	Security Type	Indicates whether (i) nine-digit CUSIP numbers are assigned to the securities in the issue, (ii) no CUSIP numbers are assigned to the securities in the issue, or (iii) only a six-digit CUSIP number has been submitted to EMMA for a commercial paper issue	Enumerated Value: • CUSIP-9 • CommercialPaper • Non-CUSIP
	Issuer Name	Full issuer name as it appears on the official statement	Max250Text *ex:* Emma County Infrastructure Finance Authority
	Issue Description	Full issue description as it appears on the official statement	Max250Text *ex:* Road Improvement Refunding Bonds, Series 2008A

XML Container	Data Tag	Definition	Data Specification
Issue	Issuer State	Standard state abbreviation	String;StateCode;2 *ex:* VA
	Issue Closing Date	Date on which the issue is expected to settle	CCYY-MM-DD *ex:* 2008-12-15
	Issue Dated Date	Dated date of the issue	CCYY-MM-DD *ex:* 2008-12-01
	Original Dated Date	Original dated date of an issue if a new dated date is assigned for the remarketed issue in which the CUSIP number has not changed	CCYY-MM-DD *ex:* 2008-12-01
	CUSIP6	Six-digit base CUSIP number for commercial paper issues, as assigned by the CUSIP Service Bureau	String{Min6,Max6} *ex:* 123456
	Original CUSIP9 Of Remarketed Security	Original nine-digit CUSIP number of the latest maturity of an issue being remarketed if one or more new CUSIP numbers are assigned to the remarketed securities	String{Min9,Max9} *ex:* 123456AB7
Securities	CUSIP9	Nine-digit CUSIP number for each security, as assigned by the CUSIP Service Bureau – not provided for securities ineligible for CUSIP numbers and for commercial paper issues	String{Min9,Max9} *ex:* 123456AB7
	Maturity Date	Maturity date of the security – not provided for commercial paper issues	CCYY-MM-DD *ex:* 2025-12-01
	Security Dated Date	Dated date of security not eligible for CUSIP number assignment	CCYY-MM-DD *ex:* 2025-12-01
	Maturity Principal Amount	Total principal amount at maturity of the security – not provided for commercial paper issues	Decimal *ex:* 5000000
	Initial Offering Price Yield	Initial offering price or yield of the security – not provided for commercial paper issues	Float *ex:* 100.5 [price] or 3.95 [yield]
	Interest Rate	Interest rate of the security – not provided for commercial paper issues	Decimal *ex:* 3.9 [fixed rate] or 0 [zero coupon/capital appreciation] or blank [variable rate]
	Security Status	If the underwriter partially underwrites an issue, indicates if a security was not underwritten by the underwriter or if the underwriter underwrote only a portion of a security; or if an issue is partially remarketed, indicates if a security was not remarketed	Enumerated Value: • Underwritten • NotUnderwritten • PartiallyUnderwritten • Remarketed • NotRemarketed

XML Container	Data Tag	Definition	Data Specification
Securities	Par Value Underwritten	If the underwriter partially underwrites a security (i.e., Security Status = Partially Underwritten), par value of the security underwritten by underwriter	Decimal *ex:* 2500000
	Original CUSIP9 of Refunded Security	For a refunded issue, provides original CUSIP number(s) for security(ies) being advance refunded	String{Min9,Max9} *ex:* 123456AB7
	New CUSIP9 of Refunded Security	For a refunded issue, provides newly assigned CUSIP number for security (or portion of security) being advance refunded, if new CUSIP number is assigned to all or a portion of the refunded security	String{Min9,Max9} *ex:* 123456AB7
	New CUSIP9 of Unrefunded Balance	For a refunded issue, provides newly assigned CUSIP number for security (or portion of security) not being advance refunded, if new CUSIP number is assigned to all or a portion of the unrefunded balance of the refunded security	String{Min9,Max9} *ex:* 123456AB7
Document	Document Type	Indicates type(s) of documents available for the offering, including (i) official statement, (ii) preliminary official statement, (iii) advance refunding document, or (iv) remarketing supplement	Enumerated Value: • OfficialStatement • PreliminaryOfficialStatement • AdvanceRefundingDocument • RemarketingSupplement
	Document Description	Document name, if any	Max75Text *ex:* Official Statement *or* Preliminary Official Statement *or* Escrow Deposit Agreement *or* Reoffering Circular
	Document Posting Operation Indicator	Indicates whether file will be appended to any existing files posted for such document or if file will replace all existing files posted for such document	Enumerated Value: • AppendToPostedDocument • ReplacePostedDocument
	CUSIP9 Identifier Of Refunding Issue	Nine-digit CUSIP number(s) of the refunding issue	String{Min9,Max9} *ex:* 123456AB7
	Original CUSIP9 of Refunded Security	Original CUSIP number for security being refunded, reflecting the CUSIP number of the security immediately preceding the refunding	String{Min9,Max9} *ex:* 123456AB7
File	File Order	If a document consists of more than one electronic file, provides file sequence information	Integer
	Date Received from Issuer	Date that the document was received from the issuer	CCYY-MM-DD *ex:* 2008-12-08

XML Container	Data Tag	Definition	Data Specification
Underwriter	Managing Underwriter MSRB ID	MSRB-issued registration number of the managing underwriter	Max15Text *ex:* A12345
Limited Offering Contact	OS Contact Organization Name	Long name of the contact organization responsible for making the official statement available upon request	Max140Text *ex:* MuniBond Dealer
	OS Contact First Name	The first name of the contact person responsible for making the official statement available upon request	Max25Text *ex:* Emma
	OS Contact Last Name	The last name of the contact person responsible for making the official statement available upon request	Max25Text *ex:* Jones
	OS Contact Title	The title of the contact person responsible for making the official statement available upon request	Max140Text *ex:* Senior Vice President
	OS Contact Phone Number	The phone number of the contact person responsible for making the official statement available upon request	Max15Text *ex:* 703-555-2222
	OS Contact Phone Number Extension	The extension of the phone number (if any) of the contact person responsible for making the official statement available upon request	Max6Text *ex:* 1235
	OS Contact Address	The street address or post office box of the contact person responsible for making the official statement available upon request	Max140Text *ex:* 123 Security Road
	OS Contact City	The address city of the contact person responsible for making the official statement available upon request	Max25Text *ex:* Alexandria
	OS Contact State	The address state of the contact person responsible for making the official statement available upon request	String;StateCode;2 *ex:* VA
	OS Contact Zip Code	The address zip code of the contact person responsible for making the official statement available upon request	Max15Text *ex:* 22301-5555

XML Container	Data Tag	Definition	Data Specification
	OS Contact Email Address	The email address of the contact person responsible for making the official statement available upon request	Max50Text *ex:* ejones@munibonddealer.com

SUMMARY OF CHANGES FROM PRELIMINARY SPECIFICATIONS

(underlining indicates additions; strikethrough indicates deletions)

Offering Container:

CUSIP9 Of Latest Maturity On Issue Not Underwritten	**Nine-digit CUSIP number of the latest maturity of each issue in the offering that is not underwritten by the underwriter, if any**	**String{Min9,Max9}** *ex:* **123456AB7**
Underwriter Assessment Exemption Indicator	Indicates an applicable exception from the underwriting assessment under MSRB Rule A-13(a) for an offering in which all securities in the offering: • Have an aggregate par value less than $1,000,000; • Have a final stated maturity of nine months or less; • At the option of the holder thereof, may be tendered to an issuer of such securities or its designated agent for redemption or purchase at par value or more at least as frequently as every none months until maturity, earlier redemption, or purchase by an issuer or its designated agent; • Have authorized denominations of $1~~0~~00,000 or more and are sold to no more than thirty-five persons each of whom the broker, dealer or municipal securities dealer reasonably believes: (A) has the knowledge and experience necessary to evaluate the merits and risks of the investment; and (B) is not purchasing for more than one account, with a view toward distributing the securities	Enumerated Value: • OfferingLessThan1Million • EntireOfferingMatures9MonthsOrLess • EntireOfferingPuttable9MonthsOrLess • Rule15c212~~d1i~~ExemptLimitedOffering

Issue Container:

Security Type	Indicates whether (i) nine-digit CUSIP numbers are assigned to the securities in the issue, (ii) no CUSIP numbers are assigned to the securities in the issue, or (iii) only a six-digit CUSIP number has been submitted to EMMA for a commercial paper issue	Enumerated Value: • CUSIP-9 • **CommercialPaper** ~~CUSIP-6~~ • Non-CUSIP
~~CUSIP9 Of Latest Maturity On Issue Not Underwritten~~	~~Nine-digit CUSIP number of the latest maturity of each issue in the offering that is not underwritten by the underwriter, if any~~	~~String{Min9,Max9}~~ ~~ex: 123456AB7~~

Securities Container :

Initial Offering Price ~~or~~ Yield	Initial offering price or yield of the security – not provided for commercial paper issues	Float *ex:* 100.5 [price] or 3.95 [yield]
Security Status ~~Underwritten Indicator~~	If the underwriter partially underwrites an issue, indicates if a security was not underwritten by the underwriter or if the underwriter underwrote only a portion of a security**; or if an issue is partially remarketed, indicates if a security was not remarketed**	Enumerated Value: • **Underwritten** • NotUnderwritten • PartiallyUnderwritten • **Remarketed** • **NotRemarketed**
Par Value Underwritten	If the underwriter partially underwrites a security (i.e., **Security Status** ~~UnderwrittenStatus~~ = Partially Underwritten), par value of the security underwritten by underwriter	Decimal ex: 2500000

Document Container:

Document Description	Document name, if any	**Max75Text** ~~Max250Text~~ *ex:* Official Statement *or* Preliminary Official Statement *or* Escrow Deposit Agreement *or* Reoffering Circular
~~Document Disclosure Completion Indicator~~	~~Indicates whether the file being submitted completes the document disclosure – for a document consisting of a single file, this indicator should reflect "complete" – for a document consisting of multiple files, all files other than the last file should have an indicator reflecting "partial" and the last file should have an indicator reflecting "complete"~~	~~Enumerated Value:~~ ~~• Partial~~ ~~• Complete~~

Underwriter Container:

Managing Underwriter MSRB ID	MSRB-issued registration number of the managing underwriter	**Max15Text** ~~Max10Text~~ *ex:* A12345

Limited Offering Contact Container:

OS Contact First Name	The first name of the contact person **responsible for** ~~available to~~ making the official statement available upon request	Max25Text *ex:* Emma

OS Contact Last Name	The last name of the contact person **responsible for** ~~available to~~ making the official statement available upon request	Max25Text *ex:* Jones
OS Contact Title	The title of the contact person **responsible for** ~~available to~~ making the official statement available upon request	Max140Text *ex:* Senior Vice President
OS Contact Phone Number	The phone number of the contact person **responsible for** ~~available to~~ making the official statement available upon request	**Max15Text** ~~Max14Text~~ *ex:* 703-555-2222
OS Contact Phone Number Extension	The extension of the phone number (if any) of the contact person **responsible for** ~~available to~~ making the official statement available upon request	Max6Text *ex:* 1235
OS Contact Address	The street address or post office box of the contact person **responsible for** ~~available to~~ making the official statement available upon request	Max140Text *ex:* 123 Security Road
OS Contact City	The address city of the contact person **responsible for** ~~available to~~ making the official statement available upon request	Max25Text *ex:* Alexandria
OS Contact State	The address state of the contact person **responsible for** ~~available to~~ making the official statement available upon request	String;StateCode;2 *ex:* VA
OS Contact Zip Code	The address zip code of the contact person **responsible for** ~~available to~~ making the official statement available upon request	**Max15Text** ~~Max14Text~~ *ex:* 22301-5555
OS Contact Email Address	The email address of the contact person **responsible for** ~~available to~~ making the official statement available upon request	**Max50Text** ~~Max140Text~~ *ex:* ejones@munibonddealer.com